

2025

Happy Yunlin Sustainable Act

SUSTAINABLE DEVELOPMENT GOALS

YUNLIN COUNTY VOLUNTARY LOCAL REVIEW

2025 YUNLIN COUNTY VOLUNTARY LOCAL REVIEW

YUNLIN COUNTY GOVERNMENT

2025

SUSTAINABLE DEVELOPMENT GOALS
YUNLIN COUNTY VOLUNTARY LOCAL REVIEW





YUNLIN COUNTY VOLUNTARY LOCAL REVIEW

Smart Economy	X	Abundant Production
Low-Carbon Sustainability	X	Ecological Balance
Safety and Health	X	Carefree Living
Inclusive Development	X	Dignity of Life and Shared Prosperity



2025 October



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1-1 The Words of the County Mayor

Yunlin: Moving Forward Toward a More Sustainable Future

Since the launch of the SDGs in 2020, Yunlin has steadily transformed sustainability from vision into daily action. In 2025, we stand at a key milestone—guided by our vision of “Happy Yunlin, Sustainable Forward” —as we move from an agricultural county to a smart and sustainable region.

In this third Voluntary Local Review (VLR), we not only review our progress but also reaffirm our commitment to the future. Three core beliefs guide our path to 2030:

1. Sustainability as the New Normal

Sustainability is not a single project, but the foundation of governance. Every policy—from education, healthcare, and industry to environment and digital services—reflects fairness to people, land, and future generations.

2. Co-Creation Through Listening

We have visited all 20 townships to listen and co-create. Policies are not top-down commands but locally shaped initiatives. We will continue empowering communities, youth, and vulnerable groups to be partners in change.

3. Accountability for Results

Yunlin has earned 37 national and international sustainability awards, joined the ICF Top 7 Intelligent Communities, and achieved a 72.8% satisfaction rate in the 2025 Global Views survey. These honors remind us to turn recognition into real progress and stronger trust.

Happiness can be part of daily life, and sustainability can be a shared reality. Facing climate change, aging, and industrial transition, Yunlin chooses innovation, collaboration, and inclusion as its path forward—to become a smart, green, and resilient model for Taiwan.



Yunlin County Mayor:
Chang Li-shan

A handwritten signature in black ink, consisting of stylized Chinese characters: 張麗善.

1-2 Summary

To align with the United Nations Sustainable Development Goals (SDGs), Yunlin County published its first Voluntary Local Review (VLR) in 2021 and has continued to release a new edition every two years. Guided by five sustainability dimensions—Dignity of Life, Worry-Free Living, Prosperous Production, Ecological Balance, and Shared Prosperity—the county aims to create a happier daily life for its citizens.

The third edition of the VLR includes 217 main projects and 347 sub-projects, with key initiatives for each SDG highlighted as follows:

- **SDG1 No Poverty:** Provide life support and emergency assistance.
- **SDG2 Zero Hunger:** Provide nutritious and sufficient food, achieve food security, and provide a stable productive and marketing environment.
- **SDG3 Good Health and Well-Being:** Provide life, medical and nursing care.
- **SDG4 Quality Education:** Provide the integrity, the equity and the diversity of education, and a comfort, relieved and convenient learning field.
- **SDG5 Gender Equality:** Improve the consciousness and awareness of gender equal rights; enhance women's public participation and training, prevent domestic violence, sexual assault and harassment to protect the life safety of women.
- **SDG6 Clean Water and Sanitation:** Strengthen water management to reduce water waste, sewage treatment and recycling, sanitation and equitable water supply, and protection and restoration of water ecosystems.
- **SDG7 Affordable and Clean Energy:** Renewable energy promotion strategy, and the development of solar energy, wind power and biomedical energy.
- **SDG8 Decent work and Economic Growth:** Create employment opportunities to promote the local development of young people, protect labor rights, promote the prosperity of cultural industries, develop tourism, hold special festivals and events, and promote regional revitalization.
- **SDG9 Industry, Innovation and Infrastructure:** Provide optimized infrastructure, sustainable industrial development, and industrial and commercial innovation support.

- **SDG10** **Reduced Inequalities**: Financial services that ensure social inclusion and fusion, equality of information, and fairness and convenience.
- **SDG11** **Sustainable Cities and Communities**: Provide residential safety and basic services, sustainable transportation systems, green public spaces, development and construction for cities and communities, promoting intelligent spaces, reducing harmful impacts on the environment, and disaster prevention measures.
- **SDG12** **Responsible Consumption and Production**: Create agricultural circular economy, industrial water and water-saving measures, agricultural promoting and strategic planning, and ecological and green tourism.
- **SDG13** **Climate Action**: Improve residential emergency response measures for climate change and disaster warning.
- **SDG14** **Life below Water**: Protect marine and wetland ecology, and clean maintenance of coastal environment.
- **SDG15** **Life on Land**: Conserve and utilize afforestation, land and coastal resources, and strengthen preventing management and breeding responsibilities of stray animals.
- **SDG16** **Peace, Justice and Strong Institution**: Enhance crime prevention measures, fair judicial protection, information transparency system, and attention to public opinion and democratic participation.
- **SDG17** **Partnerships for the Goals**: Cooperate with international companies to implement sustainable development, cross-county and city to promote regional development, cross-bureau and unit to establish a new public service culture, and academic units and corporation partnership, and civil society partnership.

1-3 Introduction of the SDGs

From Global Shifts to Sustainable Development

In the past, the pursuit of economic growth often overlooked environmental concerns, leading to ecological degradation, widening inequality, and extreme climate events.

In 1987, the United Nations World Commission on Environment and Development introduced the concept of Sustainable Development, defined as:

“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

This concept seeks to balance environmental protection, social progress, and economic growth.

Promotion of the Sustainable Development Goals

In September 2015, the United Nations Sustainable Development Summit adopted the 2030 Agenda for Sustainable Development, launching in 2016 a framework of 17 Sustainable Development Goals (SDGs) and 169 specific targets to guide global actions toward sustainability by 2030.

1 NO
POVERTY



1.No Poverty

End Poverty in all its forms everywhere.

5 GENDER
EQUALITY



5.Gender Equality

Achieve gender equality and empower women and girls.

2 ZERO
HUNGER



2.Zero Hunger

End hunger, achieve food security, and improved nutrition and promote sustainable agriculture.

6 CLEAN WATER
AND SANITATION



6.Clean Water and Sanitation

Ensure availability and sustainable management of water and sanitation for all.

3 GOOD HEALTH
AND WELL-BEING



3.Good Health and Well-Being

Ensure healthy lives and promote well-being for all at all ages.

7 AFFORDABLE AND
CLEAN ENERGY



7.Affordable and Clean Energy

Ensure access to affordable, reliable, sustainable and modern energy for all.

4 QUALITY
EDUCATION



4.Quality Education

Ensure Inclusive and equitable quality education and promote lifelong learning opportunities for all.

8 DECENT WORK AND
ECONOMIC GROWTH



8.Decent Work and Economic Growth

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



9. Industry, Innovation and Infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

10 REDUCED INEQUALITIES



10. Reduced Inequalities

Reduce inequality within and among countries.

11 SUSTAINABLE CITIES AND COMMUNITIES



11. Sustainable Cities and Communities

Make cities and human settlements inclusive, safe resilient and sustainable.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



12. Responsible Consumption and Production

Ensure sustainable consumption and production patterns.

13 CLIMATE ACTION



13. Climate Action

Take urgent action to combat climate change and its impacts.

14 LIFE BELOW WATER



14. Life below Water

Conserve and Sustainably use the oceans, seas, and marine resources for sustainable development.

15 LIFE ON LAND



15. Life on Land

Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, reserve land degradation, and halt biodiversity loss.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



16. Peace, Justice and Strong Institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable, and inclusive institutions at all levels.

17 PARTNERSHIPS FOR THE GOALS



17. Partnership for the Goals

Strengthen the means of implementation and revitalize the global partnership for sustainable development.



1-4 Sustainable Issues of Yunlin County

About Yunlin County

Located in west-central Taiwan, Yunlin covers 1,291 km², with plains making up most of its area. Blessed with a mild climate averaging 22.6°C, the county is renowned for its agricultural production and rich cultural heritage, such as Mazu pilgrimages and local folk traditions. Yunlin continues to align its development with the principles of sustainability and inclusiveness.

Challenges for Traditional Agriculture

Yunlin's agriculture faces challenges from climate change, labor shortages, an aging workforce, and youth outmigration, alongside soil pollution and agricultural waste issues. To respond, the county is promoting "New Agriculture" — integrating innovation, sustainability, and diversification to enhance resilience.

Waste Management Issues

Each year, Yunlin produces over 13,000 tons of agricultural plastic waste, along with livestock wastewater and discarded clam and oyster shells. Lacking an incineration facility, it handles around 320 tons of daily waste through limited means. The county is now shifting toward a circular economy, promoting resource recovery and recycling to reduce environmental burdens.



High Per Capita Carbon Emissions

In 2021, Yunlin's per capita carbon emissions reached 66 tons (or 5.43 tons excluding industrial and energy sectors), far above the national average of 12.7 tons. This reflects the county's heavy dependence on industrial energy use and manufacturing processes. Achieving net-zero emissions is therefore a critical goal, requiring strategic efforts in emission reduction and carbon sequestration.

Aging Population and Youth Outmigration

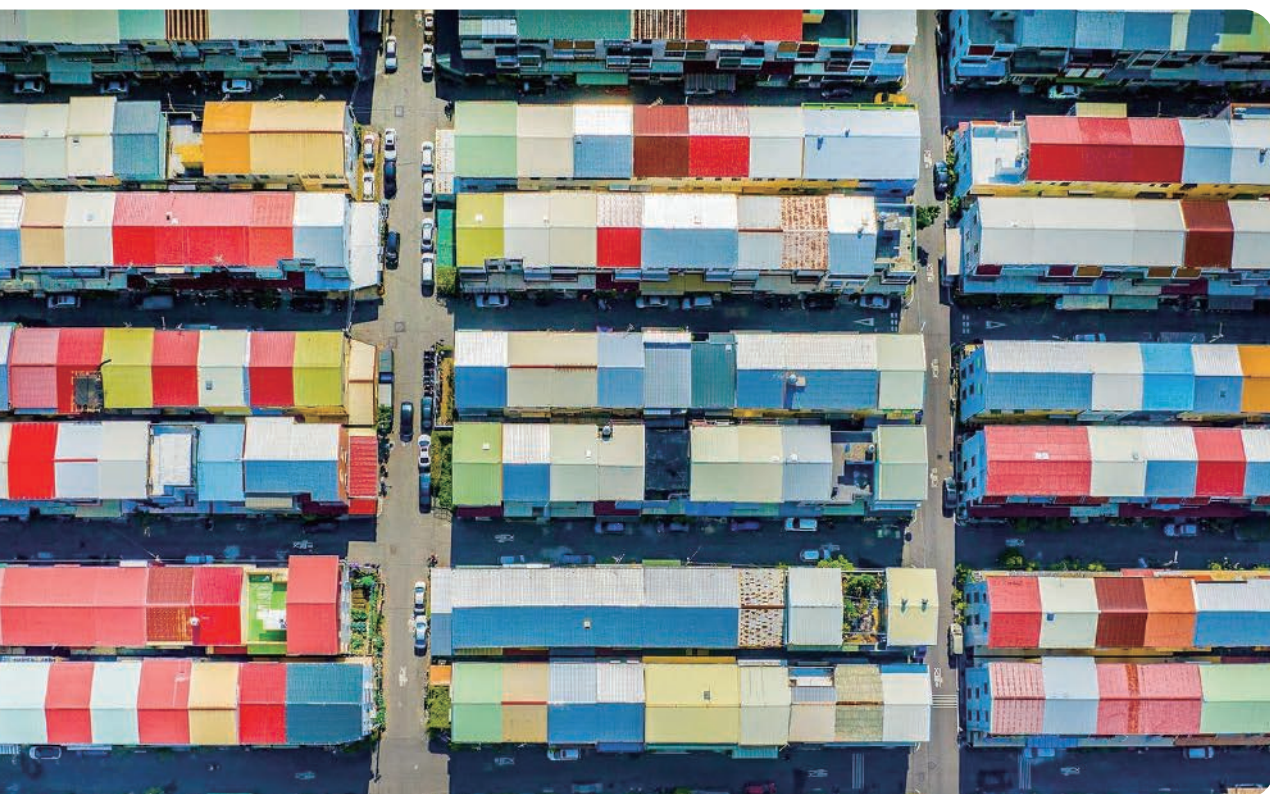
Yunlin faces a rapidly aging population, with 19.1% aged 65 and above (2nd highest in Taiwan) and an aging index of 172.97%. The county also shows a low natural growth rate (-4.53) and a high dependency ratio (43.3%), indicating youth outmigration and declining births. Promoting local revitalization and creating youth–industry partnerships are key to reversing these trends.

The “Cultural Desert” Stereotype

Yunlin has long been labeled a “cultural desert”, lacking large-scale art events and exhibition venues compared to other regions. This perception highlights the need to enhance aesthetic education and expand cultural participation among residents.

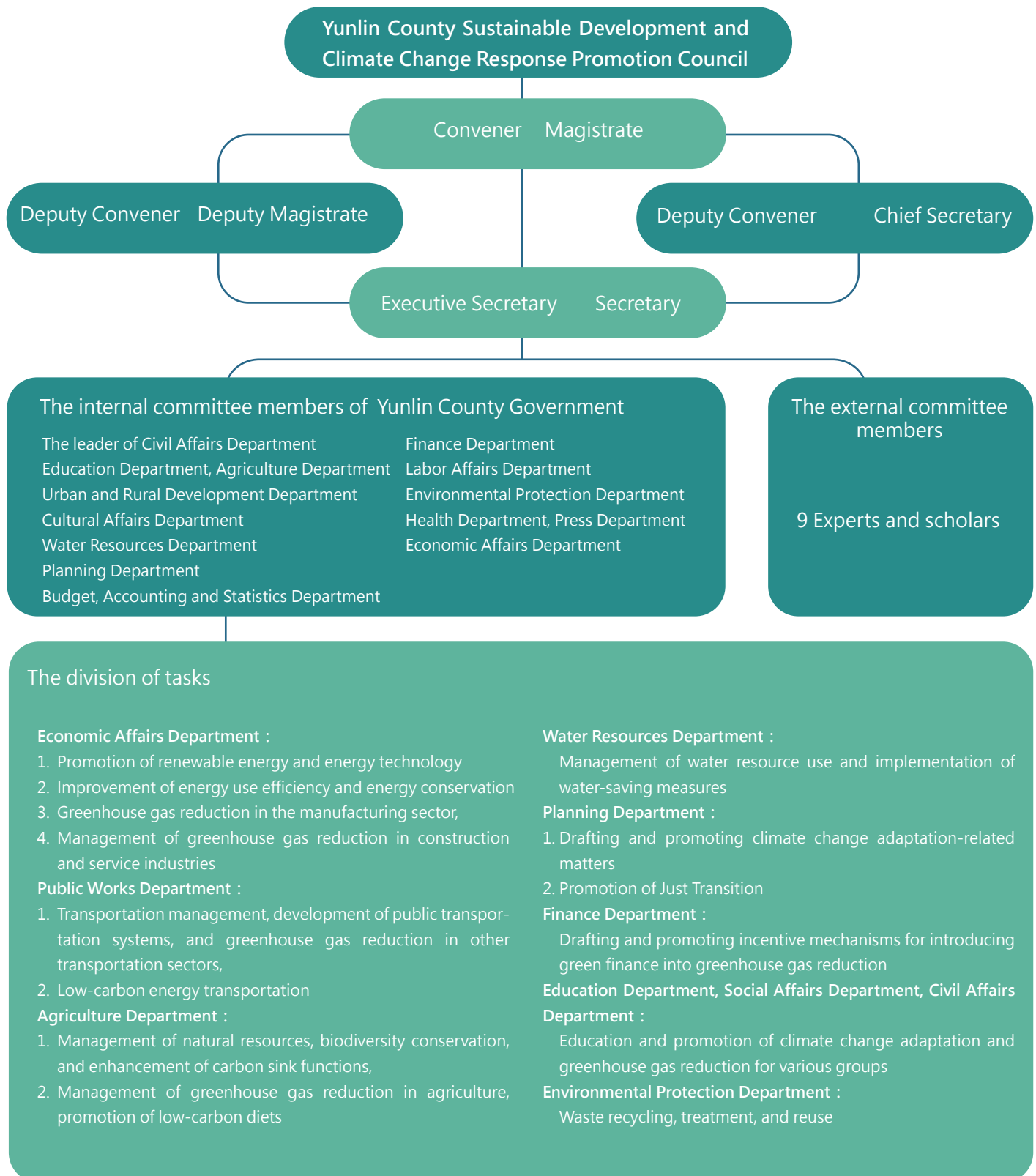
Resource Gaps in Rural Areas

The county continues to face imbalances in medical and educational resources, especially in rural townships. Limited local fiscal capacity further constrains infrastructure and public service development.



1-5 Organization of Sustainability Promotion

On June 8, 2021, Yunlin County Government formed the Sustainable Development Promotion Committee, later reorganized on August 31, 2023 as the Sustainable Development and Climate Change Response Committee to enhance climate adaptation, carbon reduction, and sustainability governance.



1-6 Alliance of Chief Sustainability Officer

To advance Taiwan’s net-zero and sustainability goals, the Executive Yuan approved the **Alliance of Chief Sustainability Officers** on September 27, 2024. The Alliance brings together CSOs from central ministries, local governments, and state-owned enterprises to strengthen sustainability governance, coordinate cross-agency action, drive cultural and policy innovation, enhance public–private collaboration, and fulfill obligations under the Climate Change Response Act.

1. Strengthening sustainability governance
2. Integrating agency-wide sustainability initiatives
3. Promoting cultural transformation and innovative thinking
4. Enhancing public–private partnerships
5. Fulfilling statutory duties under the Climate Change Response Act

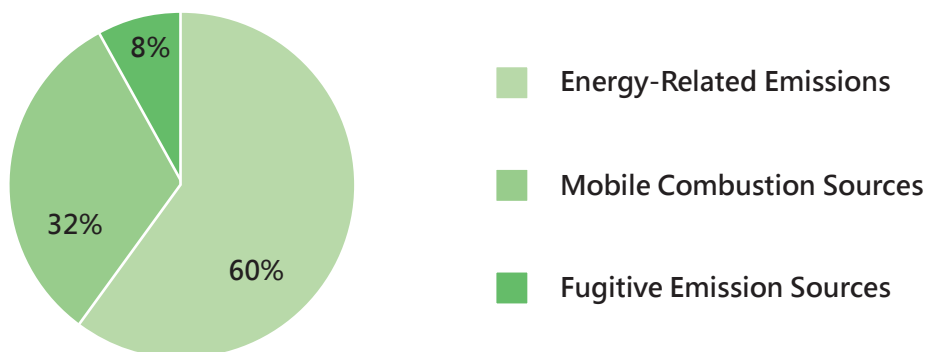
In Yunlin County, the role of Chief Sustainability Officer is held by **Deputy Magistrate Xie, Shu-ya**, who leads cross-departmental sustainability work.

1. Internal Greenhouse Gas Inventory

Yunlin completed GHG inventories for major government buildings, totaling 2,243 metric tons—**40% from fuel use** and 60% from electricity. The County is developing a decarbonization roadmap focused on fleet electrification, energy-efficient equipment upgrades, and renewable energy adoption, with inventory work expanding to all agencies.

Item	Direct Emissions				Indirect Emissions Energy-Related Emissions	Total
	Stationary Combustion Sources	Mobile Combustion Sources	Fugitive Emission Sources	Process Emission Sources		
Greenhouse Gas Emissions (tons of CO ₂ e/year)	0.1885	721.5557	173.8497	0	1347.3722	2242.9661
	859.5939					
Share of Total Emissions (%)	0.01	32.17	7.75	0.00	60.07	100.00
	39.93					

Greenhouse Gas Emissions



2. Deep Energy Conservation

Energy audits for businesses and schools in 2024 found a potential savings of 1.044 million kWh. In 2025, Yunlin will launch a **residential–commercial net-zero demonstration project** in Douliu, supported by TMY3 climate data for energy-efficient building design.

3. Electrifying Government Vehicles

Following the national plan approved in March 2025—**full electrification of chief officials’ cars by 2030 and all government passenger vehicles by 2035**—Yunlin will prioritize EV procurement and set phased replacement targets.



4. Building Energy Performance

Starting 2026, Yunlin will assess government buildings under the national Building Energy Rating System and pursue upgrades toward Near-Zero Carbon (Level 1+).

5. Green Procurement

Government agencies prioritize certified green products, **achieving a 95% green procurement rate** in 2024. Yunlin also promotes green purchasing in the private sector, which surpassed NT\$1 billion in 2023, and was **awarded the Top Honor for Excellence in Green Procurement and Green Consumption Promotion**.



6. Public-Private Engagement and Organizational Innovation

- **Sustainability Declaration: Signing the Science-Based Regional Climate Action Initiative**

Eight **Central Taiwan counties** jointly issued a declaration on the "**Science-Based Regional Climate Action Initiative**," marking a significant step forward for local governments in promoting a net-zero emissions transition and establishing a sustainable net-zero emissions ecosystem in central Taiwan.



- **Climate Sustainability Academy: Training Green Talent**

In collaboration with National Yunlin University of Science and Technology, the County established the **Climate Sustainability Academy**, centering on **carbon inventory management** and **emission reduction strategies**. The Academy provides systematic training for government departments to strengthen their understanding of carbon calculation principles, inventory procedures, and relevant regulations.



- **Participation in Sustainability Events, Exhibitions, and Conferences: Attended the 2025 SDG Asia EXPO**

Yunlin has joined the SDG Asia EXPO for four consecutive years, with the 2025 theme "**Climate Action x Water Governance**." The exhibit featured **low-carbon farming innovations**, circular economy examples like **pineapple-leaf fiber** and **sauerkraut wastewater reuse**, and the **ecological restoration of the Yunlin River**—from rehabilitation to community-based learning.



7. Yunlin County Greenhouse Gas Reduction

Based on Taiwan's national target of a 10% emissions reduction by 2025 (compared to the baseline year), Yunlin's 2016 baseline was 48.82 million tons CO₂e, **while 2023 emissions reached 41.69 million tons**. The **energy sector accounts** for 97.73% of total emissions, followed by agriculture at 1.13%. Within the energy sector, industrial energy use dominates (92.31%), with smaller shares from residential-commercial and agricultural use (4.13%) and transportation (3.56%). **Yunlin's reduction efforts therefore focus on industrial energy transition**, renewable energy deployment, and energy conservation in buildings.

Sector		Direct Emissions (ton CO ₂ e/年)	Indirect Emissions (ton CO ₂ e/年)	Total Emissions (ton CO ₂ e/年)	Percentage(%)
Energy	Residential& Agriculture- Forestry-Fishery-Live stock	336,700.5077	1,345,029.0434	1,681,729.5511	97.73
	Industrial	36,210,863.1419	1,403,955.2094	37,614,818.3513	
	Transportation	1,432,157.1922	17,562.3590	1,449,719.5513	
Industrial Processes		294,672.0978	-	294,672.0978	0.71
Agriculture		472,023.3482	-	472,023.3482	1.13
Waste		177,692.7782	-	177,692.7782	0.43
Total		38,924,109.066	2,766,546.612	41,690,655.678	100
Percentage (%)		93.36	6.64	100	-
Forestry & Other Land Use		-79,475.7523	-	-79,475.7523	-



1-7 Yunlin's Sustainability Achievements

· Sustainable Development

*2024 ICF Global Top 7 Smart Cities

*2024 TCSA Taiwan Corporate Sustainability Awards
Platinum Award for the Voluntary Sustainability Review Report (Second Edition)

*2024 4th TSAA Taiwan Sustainability Action Awards
8 gold, 10 silver, 9 bronze, A total of 27 awards

*2025 5th APSAA & TSAA (Asia-Pacific and Taiwan Sustainability Action Awards)
6 Gold, 13 Silver, 14 Bronze, 1 Special Award
Taiwan Outstanding Sustainability Governance Chief Award - Local Government
Category Exemplary (Magistrate Chang Li-shan)
Top Sustainability Chief Award (Deputy Magistrate Xie, Shu-ya)
Livable Sustainable City Award - Award "Excellent City"

 **Better every year.**

*Smart City Innovation:
IA2IA: Future Smart Agriculture (2024)
Smart Decision-Making & Environmental Data Integration (2025)

*2024 National Sustainable Development Awards-
Fire Department—Alliance of Guardians: Integrating Virtual and Physical
Protection through Sustainability and Net-Zero"

· Public Service

*Passed the TPIPAS specified-scope certification

*2024 Executive Yuan Government Service Award
“Digital Innovation Enhancement” – Service with heart through drones
and e-services

*2025 Common Wealth Magazine City Governance Awards
Received the “Model County/City Mayor Award” and four Merit
Awards

*2025 Global Views Magazine Governance Satisfaction Survey
Magistrate Chang Li-Shan rated as a “Five-Star County
Mayor”
with a satisfaction score of 72.8%

*The RWNews Public Satisfaction Survey
Magistrate Chang Li-Shan, who was rated a “Five-Star County
Mayor,” ranked second nationwide with a satisfaction score of 72.8%.

· Healthy & Friendly Living

*2024 Taiwan Healthy City & Age-Friendly City Awards
Received the Partner Award, Resilience & Innovation Award, Green City Award, Accessibility
Award, Co-aging Award, Innovation Award, and Active Aging Award

*10th AFHC (Alliance for Healthy Cities) Awards
“Smart Healthy Living City” – Innovation Award


*2024 TCSA Taiwan Corporate Sustainability Awards
Social Inclusion Leadership Award, Age-Friendly Leadership Award

· Environmental Protection

- *2024 Outstanding Public Service Award (Examination Yuan)
“Yunlin Climate Change Office: Smart Low-Carbon Agriculture & Circular Sustainability”
- *2024 TWBA Taiwan Biodiversity Awards
“Forest-River-Coast Biodiversity Conservation” –Bronze
- *2025 TWBA Taiwan Biodiversity Awards
“Yunlin River Basin Integrated Water & Landscape Improvement” –Gold
- *2024 National Sustainable Development Awards – Government Agencies
Environmental Protection Bureau: “Turning Waste into Energy: Full Waste Circularity”
- *2024 Environmental Performance Assessment
Yunlin EPB – Excellent (2 Outstanding, 4 Excellent ratings)
- *2024 Taiwan Climate Action Expo
“Best Net-Zero City” , “Innovative Climate Action Award”

· Culture & Arts

- *International Awards Association (IAA) –MUSE Creative Awards
2025 “Douliu Lunar New Year Light Show” –Gold
2025 “Sustainable Micro Lantern Festival” –Gold
- Concept Design Award
2025 Luo –Forest Resonance –Gold
- Experience & Immersive Exhibitions
2024 “Yun-Chia Art Network –Future Ark Exhibition” –Gold
2025 “Yunxi Ocean Music Festival” –Platinum
- Environment & Sustainability
2024 “Yun-Chia Art Network –Future Ark Exhibition” –Gold
- Art Events
2024 “Essence – The Beauty of Yunlin Literature” –Gold
2025 “Divine Craft: Beigang Parade Float Exhibition” –Gold
2025 “Chenglong Wetland Flowing Arts Festival” –Gold
- Festivals & Celebrations
2024 “Taiwan Coffee Festival –Gathering Good Coffee” –Gold
2025 “Yunxi Ocean Music Festival” –Platinum
- * 2025 Rome Design Awards (Italy)
“Sustainable Micro Lantern Festival” –Gold



Chapter 02

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New Vision of Yunlin



The vision of Yunlin County for sustainable development is "Happy Yunlin, Sustainable Act." Through the implementation of sustainable development, the goal is to bring a sense of happiness to people. The second edition of the Yunlin County Voluntary Review Report on Sustainable Development continues the administrative spirit of the first edition. It focuses on four core values: "Smart Economy", "Low-Carbon Sustainability", "Safety and Health", and "Inclusive Development". These are further subdivided into 30 strategic goals, each assigned to responsible units for implementation.



New Vision of Yunlin 2030

Smart Economy: Utilize smart technology to drive digital transformation, upgrading and innovating industries, effectively addressing issues related to the environment, industry, transportation, livelihood, and more, thereby enhancing governance and service efficiency.

Low-Carbon Sustainability: In response to extreme weather conditions, Yunlin County is committed to building a low-carbon and sustainable homeland. We are implementing various energy-saving and carbon reduction actions, enhancing energy security and efficiency, and promoting environmental sustainability.

Safety and Health: Yunlin County has entered the era of super-aged society, emphasizing people's physical and mental health services and social welfare measures in urban and rural development, and promoting social security to create a livable environment.

Inclusive Development: "Ownership" and "inclusiveness" are the two core spirits of the sustainable development goal, therefore Yunlin County sustainable development emphasizes the mutual tolerance and integration of people and people, people and the environment, to create a society where everyone is equal and people and the natural environment coexist.




















Chapter 03

VLR Method of Yunlin County

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3-1 VLR Methodology of Yunlin County

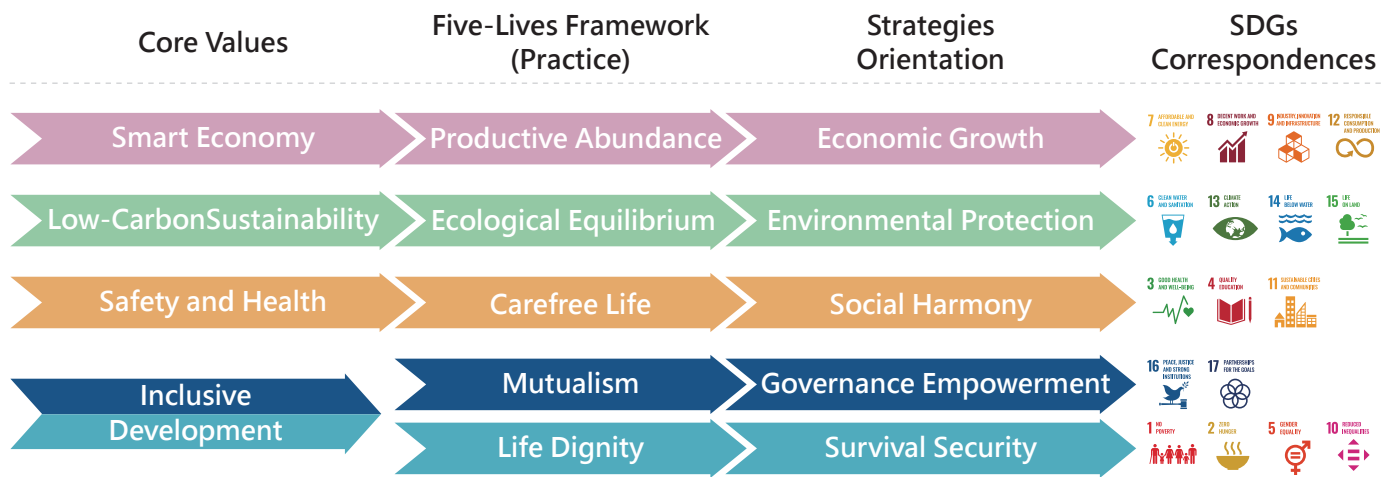
The VLR of the county is proposed the “Five Lives Framework” as the “Practical Advocacy” of SDGs, and emphasizes that administration is connecting with changing values and attitudes of SDGs. It is corresponding to practical initiatives, and listing “strategies”, which means that the state of practice will be achieved through the promotion of strategies. This framework not only integrates the three orientations that are "environment, society, and economy" of sustainable development, but also increases the orientations of "human rights" and "energy".

Five-lives Framework (Practice)	Description	Strategies Orientation	SDGs Correspondences (Value)	Related Orientations
Productive Abundance	Emphasize sustainable energy, employment, industrial innovation and development, and the establishment of related infrastructure and system to move towards sustainable economic growth.	Economic Growth	   	Economy
Ecological Equilibrium	Emphasize a balanced view of the environment, focus all kinds of environmental protection, and consider the circular relationship between ecology, life and production, and strengthen local actions to cope with global warming and extreme weather.	Environmental Protection	   	Environment
Carefree Life	Emphasize the basic satisfaction of daily life needs, from the basic physiological needs of water, health and welfare, education to residential safety, etc., it is involving justice in resource distribution and social inclusion.	Social Harmony	  	Society
Mutualism	Emphasize the mechanism of mutual benefit, enhance the system design and strength the cooperative relationship. It is a necessary social capital for governance and implementation, and also a practical capital for other value orientations.	Governance Empowerment	 	Energy
Life Dignity	Emphasize the basic needs and equality of survival, such as poverty, hunger, gender, and residency, as a basic guarantee for survival.	Survival Security	   	Human Rights

3-2 The Interpreting Connection with the Core Values of Administration and the Five Lives Framework in Yunlin County

The Yunlin County Government takes "Happy Yunlin, Sustainable Act" as its vision of sustainable development, pursuing the "five lives" of "happiness and sustainability", so that county citizens can have a happy life with dignity, carefree, productive abundance, ecological equilibrium and mutualism. In order to achieve such a happy life, the "Yunlin Act" policy should be implemented the strategic orientations, including survival security, social harmony, economic growth, environmental protection, and governance empowerment.

Through aligning the county's governance with the four core values of "Smart Economy," "Low-Carbon Sustainability," "Safety and Health," and "Inclusive Development" to the practical initiatives and strategic orientations of the "Five Lives Framework," we aim to establish a unique SDGs narrative framework for the county. This approach highlights the distinctive features of SDGs governance in the region.



3-3 Initiate the VLR of Yunlin County

06.23

Launch of the 2025 Yunlin Voluntary Local Review (VLR) interdepartmental consensus meeting

Building Consensus



07~08

Collection of policy actions and report drafting

08.28

Review of the VLR draft at the Sustainable Development and Climate Change Adaptation Promotion Meeting

Policy Inventory & Compilation



09.

Layout and design

Policy Inventory
& Compilation



09.23

Interdepartmental VLR review meeting

09.26

10.

Proofreading and public review

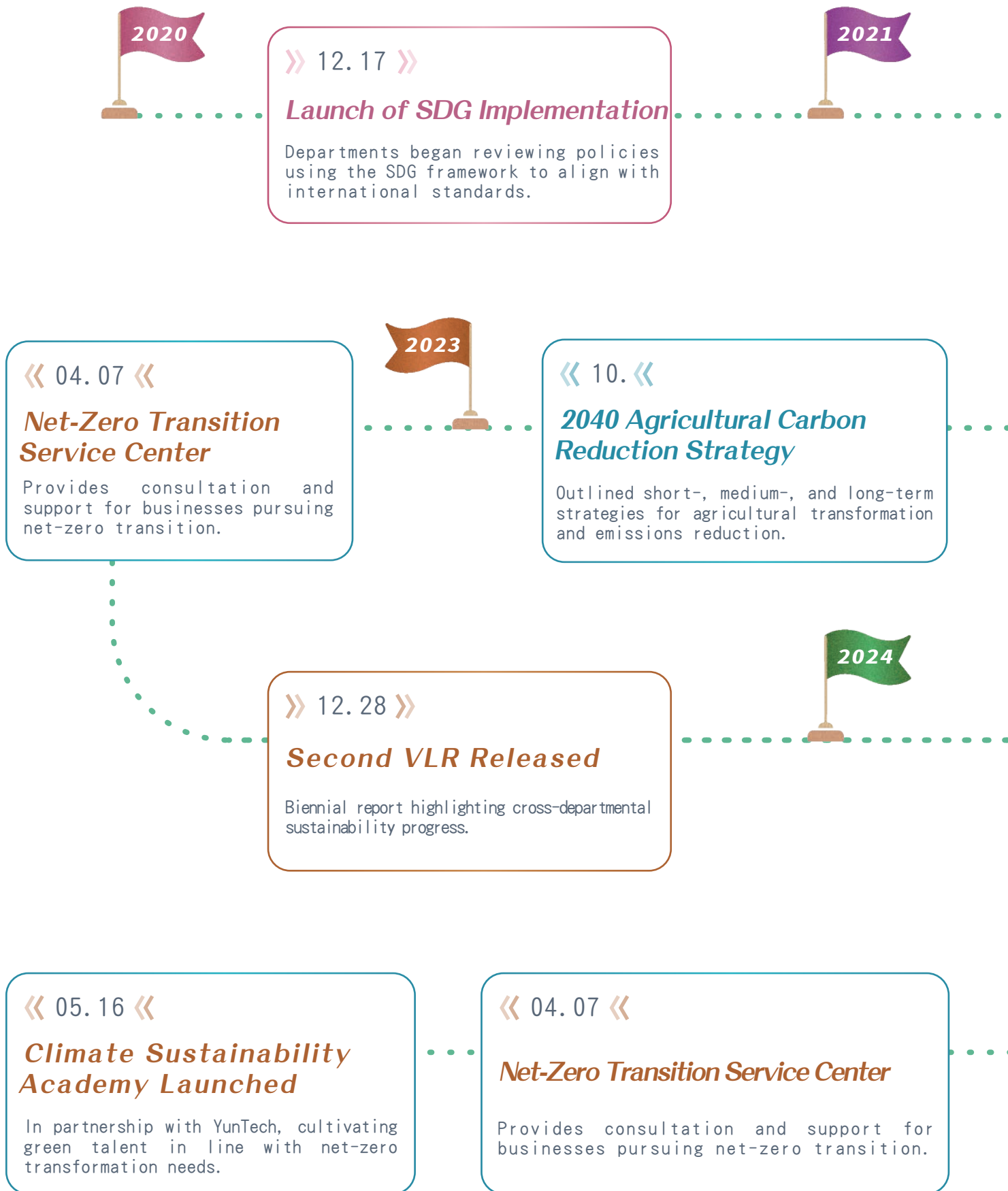
11.

Release of the 3rd edition of the VLR

Proofreading
& Publication



3-4 Milestones of Yunlin's Sustainable Development



» 06.08 »

Sustainable Development & Climate Change Adaptation Committee

Biannual meetings convene department heads and experts to plan sustainable development actions.

» 11.16 »

Climate Change Project Office Established

Tasked with climate strategies and resilient agriculture/communities; inaugurated on

2022

» 12.23 »

First Voluntary Local Review (VLR)

Assessed SDG performance and introduced Yunlin's 2030 sustainability framework.

» 10.18 »

Science-Based Regional Climate Action Initiative

Joined eight central Taiwan counties/cities in signing a joint climate action declaration.

» 12.26 »

Government Building GHG Inventory Completed

Identified emission hotspots and established reduction measures.

2025

« 02.10 «

Sustainable Micro Lantern Festival

Lanterns created mainly with agricultural /fishery waste, promoting circular and net-zero concepts.



Chapter 04

Sustainable Highlights of Yunlin County



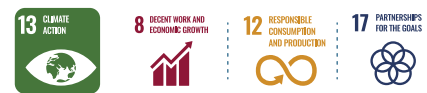
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4 - 1

Using a problem-oriented approach, Yunlin identified seven sustainability highlights derived from its core issues: Agricultural 5A+ +, Circular Economy, Net-Zero Transition, Healthy & Friendly Communities, Industrial Innovation, Culture & Tourism, and Inclusive Living.



5A+ + Agriculture



The Agriculture 5A+ + initiative comprises five core roles:

Advocate for Safe Agriculture | Provider of Safe Food | Guardian of the Environment |
Pioneer of Agricultural Innovation | Leader in Experiential Farming

Smart transformation showcasing agricultural technological capacity: Return-Home Entrepreneurship Competition

As an agricultural county, Yunlin faces the dual pressures of climate change and a rapidly aging population—both impacting agricultural production and the local workforce. To address these challenges, the county actively supports startup teams participating in the Digital Affairs Administration’s Return-Home Entrepreneurship Competition, leveraging digital technologies to solve local issues.

After winning the competition in 2020 and 2023, Yunlin once again excelled in 2024, earning one championship, one second place, one third place, and a service promotion award, demonstrating the county’s strong capacity for technological governance and its pivotal role in transforming the agriculture and fisheries sectors.



Golden Award

EZ aquaculture Co., Ltd.

Smart Unmanned Feeding Vessel

Developed an AI-enabled unmanned feeding vessel integrating LiDAR, imaging sensors, and motion-control algorithms. Path planning is operated via a mobile app, boosting feeding efficiency fivefold and reducing labor by 77%, offering a new solution for an aging aquaculture workforce.



Image Source: Return-Home Entrepreneurship Innovation Competition

Digital Innovation Award

SHINING SPROUTS CO., LTD.

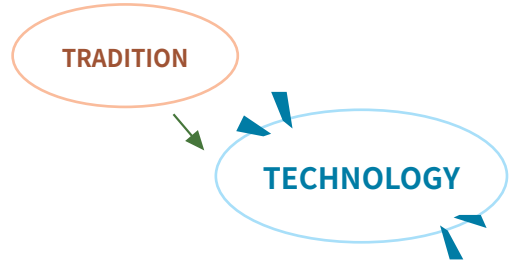
Standardized Automated Sprout Production

Introduced automated, standardized production to replace high-labor traditional sprout farming. The company obtained multiple organic and food-safety certifications and works with local farmers to support intergenerational collaboration

Field Practice Award

FARM AROUND YOU Co., Ltd.

Digital Technologies for a New Era of Livestock Farming



Upgraded traditional pigpens with smart ventilation, cooling, and automated management systems, improving the piglet survival rate from 99% to 99.9%. Labor efficiency increased 48-fold, and water use was reduced by 83%, advancing sustainable livestock production.

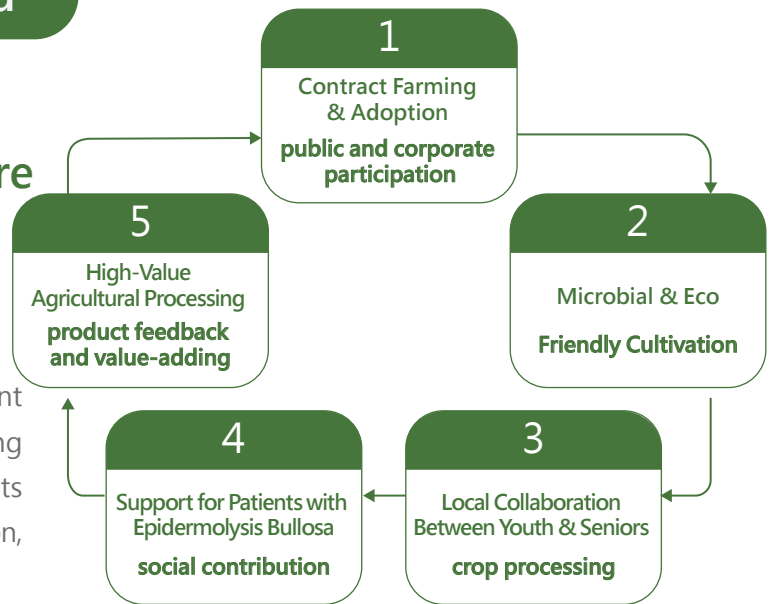


Service Promotion Award

tudigogo Team Co., Ltd.

Connecting People and Nature Through Friendly Farming

Revitalized fallow lands in Huwei and Lunbei by engaging senior workers through employment programs. High-value crops are grown using friendly farming practices and donated to patients with rare diseases, promoting ecological restoration, social participation, and public good.



4 - 2



Circular Economy



Marine Oyster-Shell Fiber (SeaWool)

Yunlin County, a major oyster-farming region, generates around 16,000 tons of waste oyster shells annually. To tackle the resulting environmental and land-use issues, the county partnered with local tech and textile industries to convert oyster shells (45%) and recycled PET (55%) into “SeaWool” recycled fibers. The material offers antistatic, quick-drying, and lightweight properties and is used for bedding, socks, and apparel. The county also collaborated with designer Kuo-Chi Lin and Shih Chien University to promote sustainable fashion through uniforms, exhibitions, and fashion shows, driving traditional industries toward higher value and sustainability.



Reclaimed Livestock Water for Salt-Affected Farmland

To address soil salinization and farmland degradation caused by climate change, Yunlin launched a low-carbon circular agriculture initiative in partnership with a local goose-farming enterprise. Reclaimed livestock wastewater was used to irrigate salt-affected land for one month, resulting in stable pH, suitable EC levels, and increased beneficial microorganisms. The trial demonstrates potential for restoring degraded soils.

Future work will test different crops and soil conditions to provide a replicable model for rehabilitating saline land nationwide.



Toward 2030 Zero Waste: Waste-to-Energy and Full Resource Cycling

Yunlin's Environmental Protection Bureau promotes a dual-axis strategy of "energy cycling" and "resource cycling," earning the 2024 National Sustainable Development Award

Energy cycling initiatives include producing solid recovered fuel (SRF) from household and woody waste and converting livestock manure into renewable energy. Resource cycling measures include converting incinerator bottom ash into building materials, producing organic fertilizer from food waste, and transforming marine and agricultural waste into recycled textile products. These innovations strengthen Yunlin's path toward achieving full resource circulation by 2030.



4 - 3



Net Zero Transformation



Probiotic Eco-Friendly Rice Farming for GHG Reduction

Yunlin, Taiwan's top rice-producing county, collaborated with National Chung Hsing University to test probiotic farming methods in Dapi Township. Results show methane and nitrous oxide emissions were reduced by 76–92%, while rice yield increased by 1.8%. This approach delivers both environmental and economic benefits. The county plans to scale up “Probiotic Eco-Friendly Fields” through corporate ESG sponsorships and voluntary reduction mechanisms, promoting a collaborative model involving technology providers, businesses, and farmers.



“One Verification, Multiple Certifications” Innovation Mechanism

Yunlin County, YunTech, and third-party verifiers jointly developed the SCTMP (Supply Chain Traceability Management Platform) to integrate production records, carbon inventory data, and carbon footprint information. Through streamlined verification, businesses can obtain ISO 14064-1, ISO 14067, and TAP certification in a single process, reducing costs and processing time while enhancing transparency, ESG performance, and resilience to future carbon fee or carbon tax policies.



Science-Based Regional Climate Action Initiative

Yunlin received the 2024 Taiwan Climate Action Expo – Best Net-Zero City & Innovative Climate Action Award

Best Net-Zero City & Innovative Climate Action Award. As the 2024 lead county for the Central Taiwan Regional Governance Platform, Yunlin coordinated cross-sector efforts in environment, agriculture, transportation, and economy. At the Climate Action Expo, the county and partner cities jointly issued the Science-Based Regional Climate Action Initiative, outlining 4 regional sustainability goals and 8 key actions, reinforcing a cooperative pathway toward resilient, low-carbon regional development.



4 - 4



Healthy & Friendly

Five-Heart Anti-Drug Program



2024 Asia-Pacific & Taiwan Sustainability Action Award – Bronze

Yunlin County implements the “Five-Heart Anti-Drug Program” —Hope, Empathy, Altruism, Public Reassurance, and Thoughtfulness—to help drug users reintegrate into society. Led by the Health Bureau, the program connects education, police, and social services, providing community and school-based prevention, resource centers, and regular risk screenings. From 2025, a partnership with Eslite Cultural Foundation delivers therapeutic books to households and female correctional facilities, deepening emotional support.



Tech-Assisted Elderly Care

To address challenges from a super-aged society, Yunlin introduced the Tianlun D+ Card, a smartwatch with GPS, oxygen, and heart rate monitoring to reduce risks for dementia and isolated seniors. Traditional wristbands and care packages are also provided, combined with regular phone check-ins and social service referrals. The program promotes intergenerational engagement by encouraging grandparents and grandchildren to wear devices together, fostering safe, age-friendly communities.



Virtual-Physical Guardian Alliance

113th National Sustainability Award

114th WITSA ICT Excellence Award – eHealth Innovation

Yunlin County, with the Fire Department, Health Bureau, and NTU Hospital Yunlin Branch, launched a hybrid Guardian Alliance integrating virtual and real resources via a smart medical platform. Using 5G real-time communication, medical teams and emergency responders coordinate rapidly during disasters. Since implementation, emergency critical care rates increased from 7% to 21.74%, demonstrating the system's effectiveness in pre-hospital intervention and disaster response efficiency.



4 - 5



Industry Revitalization



Local Revitalization and Industrial Transformation

Yunlin, selected as one of the Top 7 Intelligent Communities worldwide in 2024 (ICF)

Facing the challenge of net-zero transition, Yunlin drives industrial upgrading through smart technology and circular innovation. Since 2019, 18 townships have secured over NT\$1 billion for local revitalization—the highest nationwide. In Sihu, smart goose farming combines enclosed poultry houses with circular reuse of wastewater to restore saline soils and grow feed crops, creating a low-carbon regenerative system. These efforts are revitalizing industries, attracting young talent, and strengthening community-led sustainability.



Shibi Bamboo Forest Park: Bamboo-Based Sustainable Industry

Recognized by the World Bamboo Organization in 2024 as the world's first "Bamboo Landmark City"

Caoling–Shibi is home to 516 hectares of Moso bamboo, one of Yunlin's most significant natural tourism assets. Leveraging bamboo design, ecotourism, and community participation, the county established Taiwan's first bamboo-built forest therapy park, advancing sustainable tourism and industrial upgrading. Through the Forest Therapy Season and self-guided trails enhanced by mobile-based experiences, visitors can access healing activities anytime, boosting tourism benefits. Local residents are also trained as therapy facilitators and guides, strengthening community expertise and service capacity. The Shibi Bamboo Forest initiative not only revitalizes underused woodland but also links bamboo industries, tourism, and local products into a circular, place-based economy.



Santiaolun Beach: Ocean-Friendly Regeneration

Winner of the 2024 IAA MUSE Creative Awards (Gold), Santiaolun Beach was revitalized through a model of kitesurfing, low-impact waters, and marine education.

Once Central Taiwan's only seawater bathing area, the site was renewed by activating local marine resources and supporting youth returning to join the industry. In 2019, Santiaolun earned IKO certification, becoming Taiwan's only accredited kitesurfing school and showcasing integrated progress in sports tourism, sustainability, and local innovation.



4 - 6

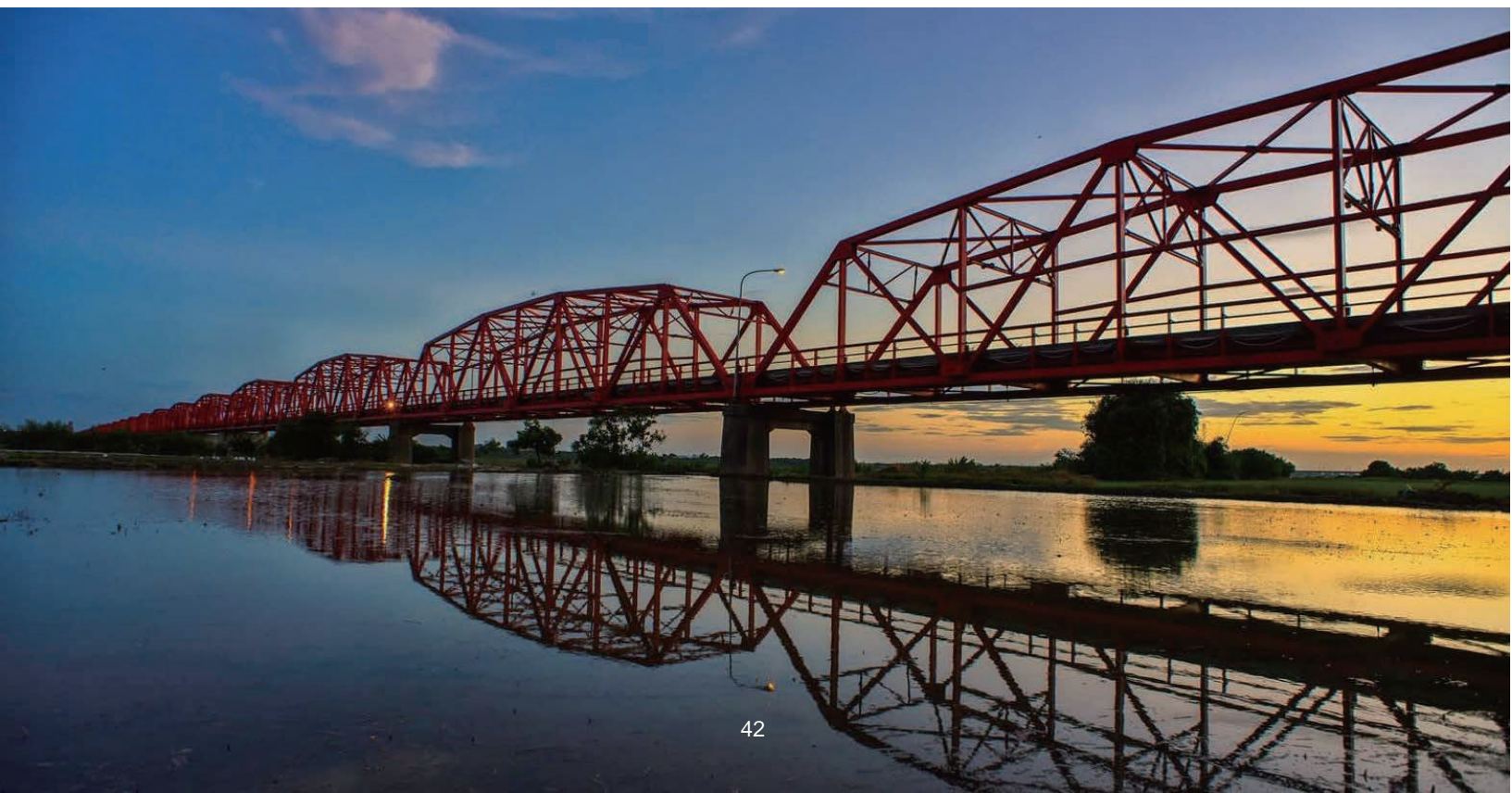


Cultural Tourism



Yunlin’ s tourism surpasses 20 million visits : culture emerges as a new growth driver

Once considered a “cultural desert,” Yunlin has transformed into a strong domestic tourism destination. Temple culture—anchored by Beigang Chaotian Temple, Beigang Wude Temple, and Xiluo Fuxing Temple—continues to attract large pilgrim flows and anchors local tourism growth. Through event-based marketing such as the Beigang Lantern Festival, Baishatun Mazu Pilgrimage, Ocean Music Festival, and Summer Solstice Arts Festival, Yunlin has built a distinctive year-round tourism calendar. In 2024, tourist visits surpassed 20 million, achieving the transition from pilgrims to tourists and strengthening Yunlin’ s position as an emerging cultural-tourism hub.



4 - 6



Xiluo Bridge Folk Arts Festival

Double Gold in the 2024 & 2025 IAA MUSE Creative Awards (Culture & Festival)

Centered on the landmark Xiluo Bridge, the Xiluo Bridge Folk Performance Festival merges traditional performance arts—such as Guanjian Shou, Songjiang Battle Array, and lion dance—with creative reinterpretations. The festival mobilizes community and youth participation, supports cultural transmission, and enhances Yunlin’s cultural visibility. It has become a key platform advancing cultural promotion, local identity, and tourism development.





Sustainable Micro Lantern Festival Lighting Up Circular Renewal

Five Major International Awards:

2025 Italy Design Gold Award

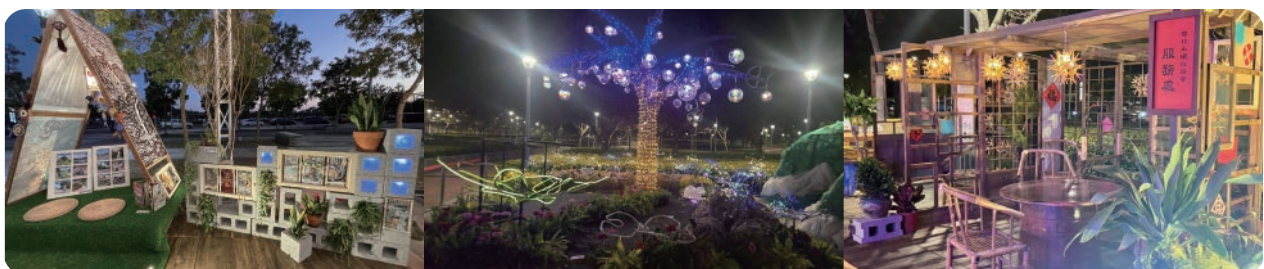
UK IAA Design Gold Award

2025 MUSE Creative Design Gold Award

2025 Melbourne Design Awards Gold Award

2025 Asia Pacific Sustainability Action Award Silver Award

From February 10–23, 2025, Yunlin County Government held Taiwan’s first Sustainable Micro Lantern Festival at Yunlin HSR Station, showcasing circular economy and net-zero waste through recyclable materials, LED lighting, and solar installations. Schools, communities, and design teams co-created pieces such as the solar-pinwheel “Wind-Powered Light” and the recycled “Tree of Life.” The festival received strong public praise, and artworks continued to be displayed across schools and community spaces, extending the impact of local co-creation and sustainable design.



4 - 7



Living Without Boundaries



Smart Star E-Healthcare: Remote Specialist Consultation

Yunlin, a super-aged county with 13 medically underserved townships, launched the “Smart Star Yunlin New Healthcare Project” to provide remote ophthalmology and dermatology consultations at seven township health centers. AI retinal diagnostics enhance early care for diabetic retinopathy. Clinic doctors support areas without physicians, enabling two-way referrals and equitable, distance-free healthcare.



AI-Connected Rehabilitation Bus

Rehabilitation buses for people with disabilities integrate a “Human-Vehicle Cloud System,” GPS, and driver monitoring to optimize routes and ensure safety. Passengers track arrivals via LINE@, and families receive boarding notifications. Smart scheduling improves efficiency, creating a resilient, inclusive transport system.



Smart Learning: Digital Foundations

Yunlin promotes equitable digital learning, earning the 2023 6th Government Service Award

All 185 county schools were upgraded with smart boards, touch controls, audio, and water-soluble chalk, creating healthy, interactive classrooms. The “One Tablet per Student” initiative covers 45,000 students, improving teaching efficiency and accessibility. Three specialized learning centers—Yuegang Smart Education Center, Shigu Disaster Ed Tech Center, and Sanchaolun Marine Education Center—offer AR/VR immersive experiences, expanding students’ horizons and realizing zero-distance education.

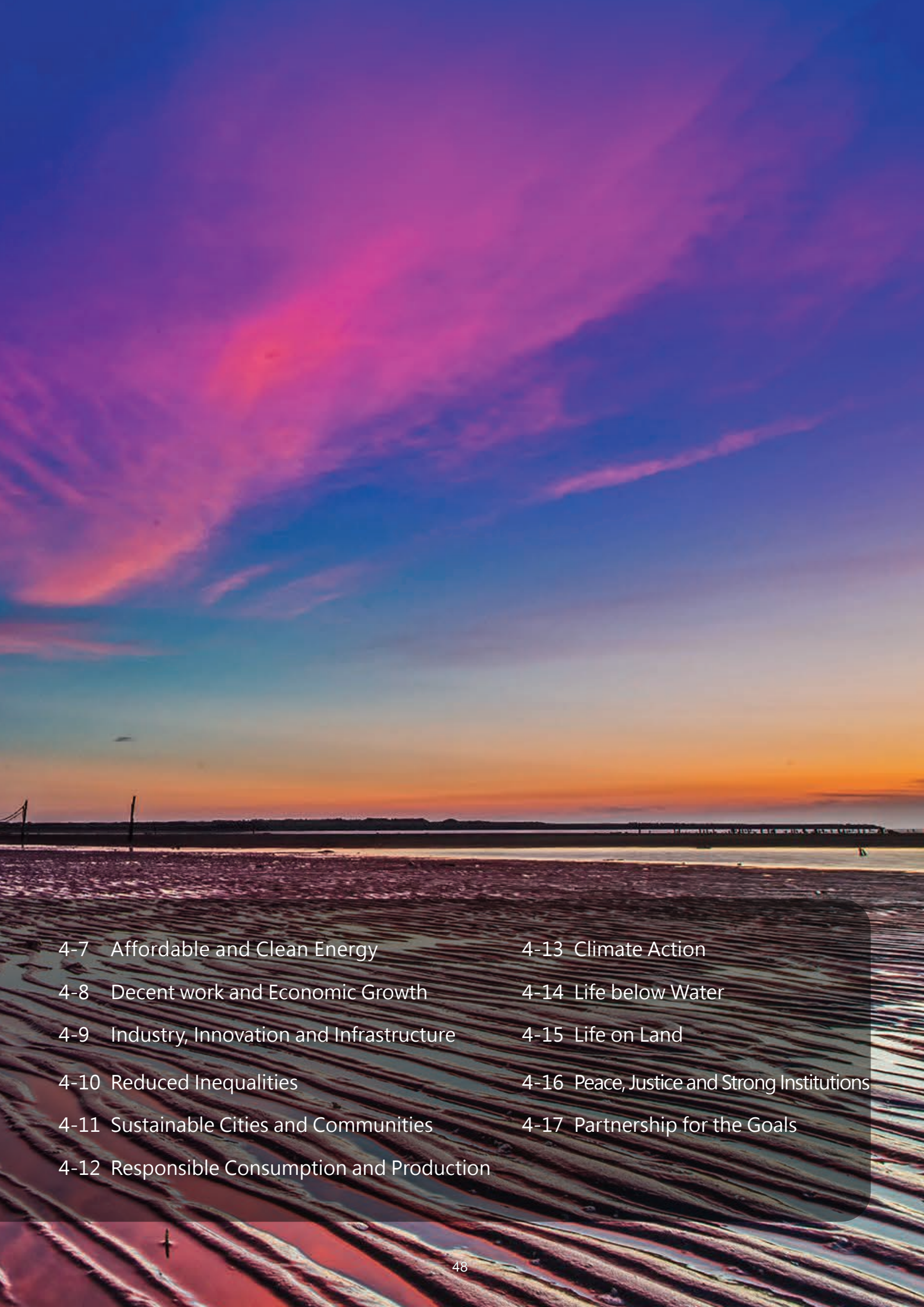


A sunset over a vast, flat landscape, possibly a coastal plain or a large field. The sky is a mix of deep blue, purple, and pink. In the foreground, there is a grid of wooden posts, likely for agriculture or a construction project. The ground is a mix of sand and water, with some tracks or paths visible.

Chapter 05

Progress on Goals and Targets

- 4-1 No Poverty
- 4-2 Zero Hunger
- 4-3 Good Health and Well-Being
- 4-4 Quality Education
- 4-5 Gender Equality
- 4-6 Clean Water and Sanitation

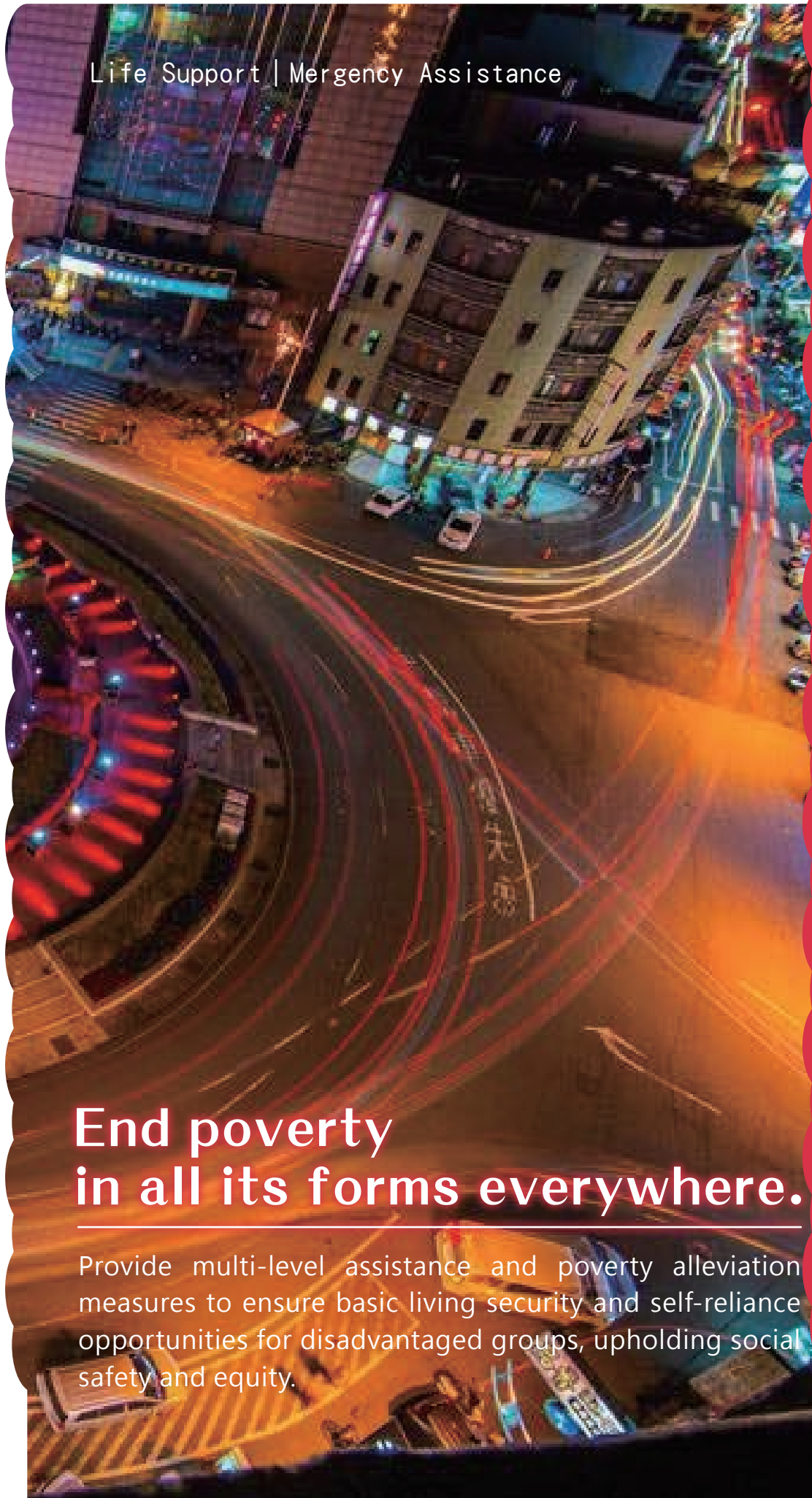
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- 4-7 Affordable and Clean Energy
 - 4-8 Decent work and Economic Growth
 - 4-9 Industry, Innovation and Infrastructure
 - 4-10 Reduced Inequalities
 - 4-11 Sustainable Cities and Communities
 - 4-12 Responsible Consumption and Production
 - 4-13 Climate Action
 - 4-14 Life below Water
 - 4-15 Life on Land
 - 4-16 Peace, Justice and Strong Institutions
 - 4-17 Partnership for the Goals



Progress on Goals and Targets

5-1

Life Support | Mergency Assistance



End poverty in all its forms everywhere.

Provide multi-level assistance and poverty alleviation measures to ensure basic living security and self-reliance opportunities for disadvantaged groups, upholding social safety and equity.

1 NO POVERTY



I. Basic Livelihood and Educational Assistance



Policy Direction:

Improve the economic conditions of disadvantaged families and guarantee children's educational rights, as well as seniors' basic living and mobility needs.

Implementation Strategies:

Yunlin County promotes tuition exemption for second-born and low- or middle-income preschool children, subsidies for extended childcare, and encourages schools to set up after-school programs to support parents' employment. The County also implements the Child and Youth Development Account program, with matched savings between the government and families for higher education or vocational training. For the elderly, the County provides caregiver subsidies for disabled seniors, living and special care allowances for low-income elders, and transportation support through senior travel discounts, e-cards, and the "Happiness Shuttle" service to improve mobility and quality of life.



2. Support for Vulnerable Groups and Social Protection



Policy Direction:

Assist new residents and persons with disabilities in social adaptation and welfare access, while ensuring comprehensive protection for low- and middle-income households.

Implementation Strategies:

The County offers adaptation, language, legal, and cultural courses for new residents, along with interpreter training and in-service programs to strengthen communication in schools, healthcare, and workplaces. It conducts empowerment activities and education subsidies for second-generation children, and provides emergency, medical, childcare, and travel assistance to new resident families in special circumstances.





For persons with disabilities, the County subsidizes participation in social and micro-insurance and operates rehabilitation bus services to support medical and community access. Assistance for low- and middle-income households includes living, medical, caregiving, funeral, and housing repair subsidies, as well as government-funded cremation and columbarium services.



3. Poverty Alleviation and Emergency Relief



Policy Direction:

Integrate savings, employment, and relief systems to help families overcome poverty and strengthen rapid response capabilities.

Implementation Strategies:

The County promotes Happiness Savings and education account programs to help families accumulate assets and financial literacy, and coordinates with the “Joint Employment Service Program for Low- and Middle-Income Households” to enhance job matching and skill development. It commissions organizations to provide shelter, medical care, and life reconstruction services for homeless individuals, and implements emergency and housing repair assistance for Indigenous residents. The “Love Yunlin” online donation platform integrates social welfare resources and increases transparency, while the “Double-B Program” (Better Housing & Better Food) proactively identifies and assists isolated seniors and disadvantaged households with home repairs and material support. The County also provides emergency and disaster relief funds (including central government emergency aid) and maintains a local referral and support network to ensure timely financial assistance and livelihood security.

5-2

Provide Nutritious and Sufficient Food | Achieve Food Security | Provide a Stable Productive and Marketing Environment



End hunger, achieve food security and improved nutrition and promote sustainable agriculture.

2 ZERO HUNGER



Eliminate hunger, achieve food security, improve nutrition, and promote sustainable agriculture, ensuring care for vulnerable groups and agricultural product safety.

I. Provide Nutritious and Sufficient Food



Policy Direction:

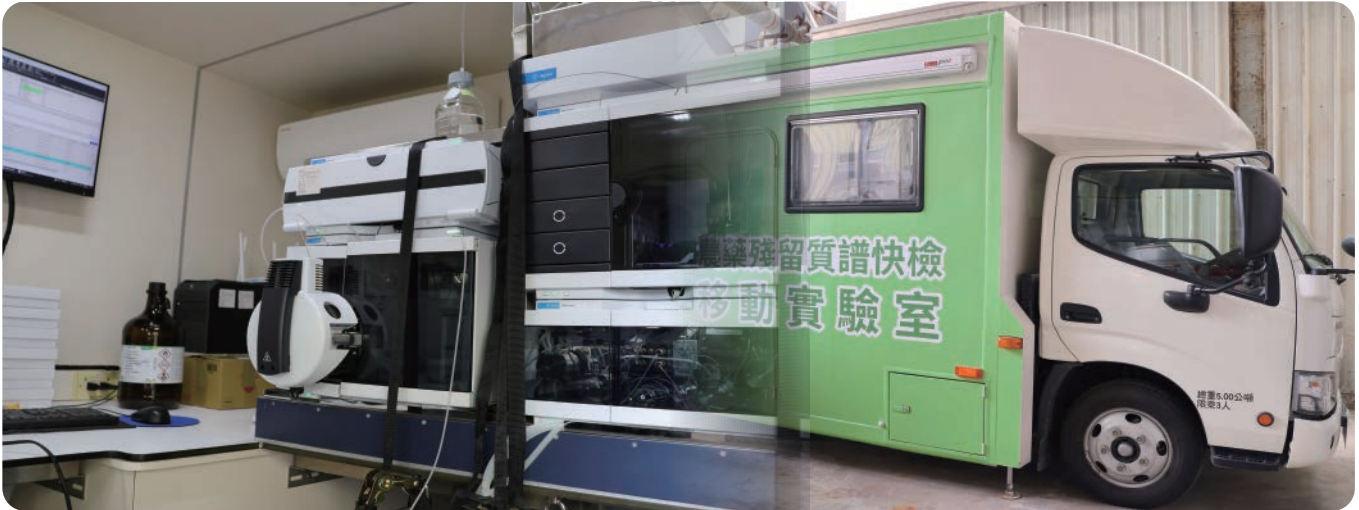
Ensure adequate and nutritious meals, guaranteeing stable dietary support for students, the elderly, and disadvantaged families.

Implementation Strategies:

Yunlin County provides school lunch programs with meal budgets exceeding the national average, supported by corporate donations to improve food quality. Central kitchens and joint procurement systems are established for rural schools under the supervision of nutritionists to ensure balanced diets. The County implements the “Holiday Feeding Program” by collaborating with convenience stores to distribute digital meal vouchers to students from low-income families. The “Food Bank 2.0” initiative operates service centers in Douliu, Huwei, Xiluo, Beigang, Taixi, Dounan, and Lunbei, distributing food and daily necessities. In addition, “Senior Meal Halls” are widely established, combining daycare and meal services to provide dining and social spaces for older adults.



2. Achieve Food Safety



Policy Direction:

Strengthen safety management of agricultural, livestock, and fishery products to ensure food safety and sustainable agriculture.

Implementation Strategies:

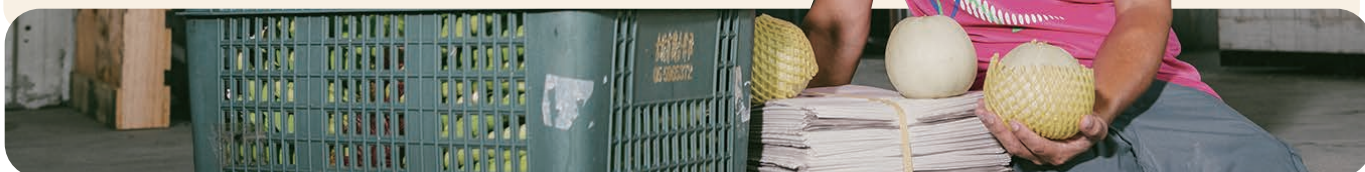
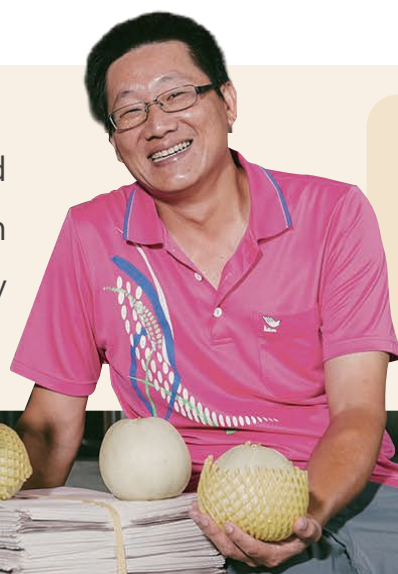
The County enforces pesticide vendor inspections, the plant doctor system, pesticide registration and residue information management, and provides farmer training on proper pesticide use. Organic and transitional organic product inspections and e-commerce monitoring are carried out to maintain product quality. A “Mobile Pesticide Residue Testing Laboratory” is used to conduct on-site testing to ensure produce safety. Livestock safety is reinforced through inspections of certification labels, farm and carcass management, feed testing, and insurance programs. The County enhances animal disease prevention and medicine control to prevent swine fever, avian influenza, and ruminant diseases, and has launched the “Yunlin Meat” brand to promote residue-free livestock products. In aquaculture, water quality testing and disease diagnosis services are provided, along with coastal fishery sanitation programs, net registration, and farming verification systems to maintain production and biosecurity standards.



3. Provide a Stable Production and Marketing Environment

Policy Direction:

Establish a stable agricultural production and marketing system and a safe food consumption environment to enhance agricultural efficiency and public confidence in food safety.



Policy Direction:

The “Premium Agricultural Environment Zone Project” is implemented in Douliu, Shuilin, and Yuanchang to enhance farmland utilization. The “Yunlin International Agricultural Machinery and Materials Exhibition” showcases smart agricultural machinery and energy-efficient equipment to mitigate labor shortages. The County supports diversified marketing channels, including cooperative sales, direct sales, and promotional events, and promotes the establishment of an agricultural cold chain logistics system. It also upgrades wholesale market facilities and provides subsidies to farmers’ associations and production groups to strengthen post-harvest handling and storage quality. In the food sector, hygiene rating evaluations and “安心標章”



(Safe Label) certifications for soy sauce and edible oil manufacturers are implemented to enhance self-management and overall food safety standards.



5-3

Life Care | Medical Care | Nursing Care

Ensure healthy lives and promote well-being for all at all ages.



3 GOOD HEALTH AND WELL-BEING



Ensure healthy lives and promote well-being for all ages through comprehensive healthcare, disease prevention, mental health promotion, and accessible sports and wellness environments, creating a healthy and sustainable Yunlin County.

I. Strengthening Public Health and Disease Prevention



Policy Direction:

Implement effective epidemic control and disease prevention measures to reduce infectious disease risks and safeguard public health.

Implementation Strategies:

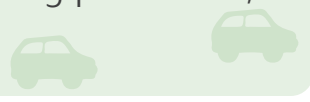
Yunlin County continues to promote COVID-19 vaccination and antiviral medication programs while expanding disease control initiatives covering tuberculosis, intestinal and respiratory infectious diseases, hepatitis B, and rabies. The County maintains high vaccination rates for influenza and routine childhood immunizations, and promotes hepatitis C screening and the Human Papillomavirus 9-valent (HPV) vaccine for female students to enhance preventive coverage.



Family and fertility support programs such as the “Happiness for Families Trilogy” and the “Yunlin Wanbao Long Project” provide subsidies for childbirth, assisted reproduction, and prenatal testing to improve fertility rates and mitigate the impact of population decline.



The County also strengthens road safety management, drunk driving prevention, drug abuse control, and anti-drug education in schools.



2. Enhancing Medical Care and Emergency Services

Policy Direction:

Improve the healthcare system and emergency response network, expand rural and telemedicine services, and ensure accessible and continuous medical care.



Implementation Strategies:

The County strengthens emergency rescue networks by promoting the “Emergency Pioneer App,” pre-hospital electrocardiogram (EKG) transmission, and ultrasound rescue programs to reduce response times. “Greenway” and “Medical-Fire Integrated Response” systems are established to coordinate medical institutions and emergency teams. Home medical care and teleconsultation services support residents in remote areas and those with limited mobility, while mobile school health clinics improve children’s oral health. The “Guan Yun Chang Project” and hospital discharge coordination programs link medical and long-term care systems, establishing continuous care for the elderly and patients with chronic diseases.



3. Promoting Mental Health and Healthy Lifestyles



Policy Direction:

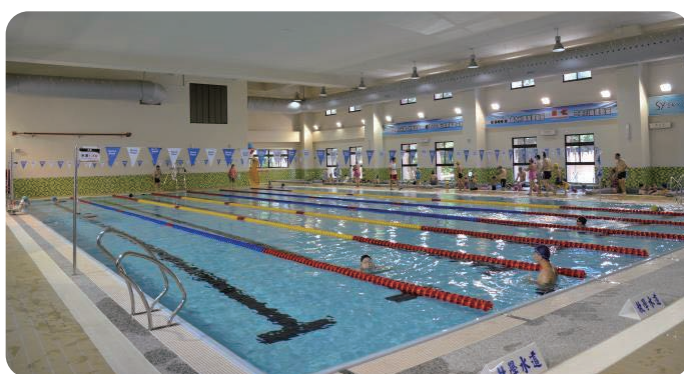
Promote mental health, community support, and physical activity participation to enhance holistic well-being for all residents.

Implementation Strategies:

Yunlin County promotes township-based counseling services through the “One Township, One Counseling Station” initiative and has established community mental health centers providing both on-site and outreach psychological support.



A mental health support network for teachers and students is built under a three-tier counseling system to strengthen campus psychological care. The County expands sports facilities and community fitness programs, organizing the County Games, National High School Games, and National Games, and operates the “Health Trail App” and “Health Activity Participation Platform” to encourage public exercise through digital engagement.



“Silver Fitness Clubs” and community nutrition centers provide exercise and nutrition courses for seniors to prevent disability and chronic diseases. Long-term care stations, dementia-friendly services, and emergency assistance systems for elderly individuals living alone are also promoted to ensure a safe and supportive living environment for older adults.



5-4

Integrity of Education | Equity of Education | Diversity of Education | A Comfort, Relieved and Convenient Learning Field

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all, supporting talent development and social progress.

4 QUALITY EDUCATION



I. Improving the Education System and Diverse Learning Opportunities



Policy Direction:

Enhance education quality at all stages, strengthen early childhood care and vocational exploration, and promote lifelong learning for all citizens.

Implementation Strategies:

Yunlin County promotes quasi-public preschools and childcare services to enhance accessibility and reduce family burdens. Children's welfare centers and parent-child centers offer parenting education and family engagement activities. For adolescents, technical training courses, Career Exploration Centers, and senior high and vocational school expos assist students in exploring career paths.





The Yunlin County Intelligent Agricultural University and professional training programs cultivate local industry professionals. Reading promotion, community colleges, senior learning centers, digital opportunity centers, and food and agriculture education initiatives expand lifelong learning opportunities and enhance digital literacy across all age groups.



2. Promoting Educational Equity and Cultural Inclusion



Policy Direction:

Safeguard the right to education for disadvantaged, new immigrant, Indigenous, and students with disabilities, while promoting multicultural and language education to bridge learning gaps.

Implementation Strategies:

The County provides scholarships and learning assistance for financially disadvantaged students and supports tuition and special education placement for students with disabilities. New immigrant learning centers and family education programs offer language and cultural courses to enhance inclusion, while Indigenous students receive tuition subsidies and scholarships. The Indigenous Education Resource Center promotes native language instruction. Bilingual education pilot schools are implemented to strengthen English proficiency and global communication skills.



3. Building Safe, Sustainable, and Innovative Learning Environments



Policy Direction:

Create safe, digital, and innovative learning spaces integrating environmental, disaster prevention, and sustainability education.

Implementation Strategies:

The County improves school air conditioning, electrical systems, sports facilities, and campus safety infrastructure. The "Smart Campus 3.0" and "Smart Education Center" initiatives integrate AI, VR, and STEAM applications into teaching.





Maker education and technology centers, along with the Sanzhaolun Marine Education Center and the new Yunlin County Library, enhance access to educational resources. Environmental, disaster prevention, and climate change curricula are incorporated into schools, alongside moral, aesthetic, family, and sustainable development education to cultivate civic awareness and action competence.



5-5

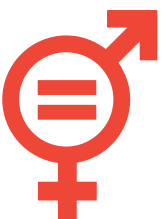
Improve the Consciousness and Awareness of Gender Equal Rights | Enhance Women's Public Participation and Training | Prevent Domestic Violence, Sexual Assault and Harassment to Protect the Life Safety of Women



2025

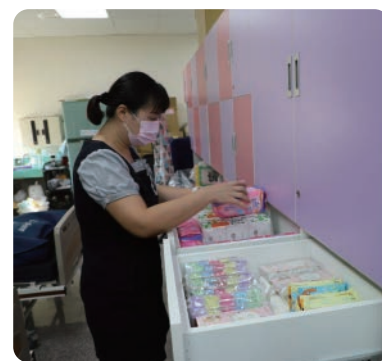
Achieve gender equality and empower all women and girls.

5 GENDER EQUALITY



Achieve gender equality, empower women and girls, and foster a society built on respect, diversity, and equal opportunity.

I. Promoting Gender Equality and Friendly Environments



Policy Direction:

Implement gender mainstreaming, strengthen gender awareness, and promote the development of gender-friendly spaces and systems.

Implementation Strategies:

Yunlin County regularly convenes the Gender Equality Committee, integrating experts, scholars, and women's organizations to advance gender-friendly policies. The County has established the "Gender Equality Zone" and "Gender Equality Base Stations" to consolidate policy information, education, and achievements while facilitating cross-departmental collaboration. Gender awareness training courses are held to improve sensitivity among public officials and citizens. In cooperation with the National Women's Hall of Taiwan, the County organizes gender equality poster and film exhibitions to promote awareness through diverse forms. Gender-friendly lectures and space certifications are also conducted to create menstrual health, parenting, and inclusive facilities, while campuses continue to improve restrooms, lactation rooms, and parking spaces to ensure a safe and inclusive learning environment.

2. Empowering Women and Enhancing Public Participation



Policy Direction:

Strengthen women' s participation in public affairs and organizations, and provide mental health and social support for middle-aged and elderly women.

Implementation Strategies:

The Yunlin County Women' s Welfare Service Center offers fitness courses, personal growth activities, legal consultations, and group counseling to support women' s self-development and social engagement. "Cross-Border Exchange Workshops" and "Women' s Empowerment Capacity-Building Programs" are held to enhance leadership and experience sharing among women' s groups. The Center also operates the "Healing Room" to provide emotional support and companionship for widowed, elderly, and rural women, alleviating psychological stress and reinforcing social support networks.

3. Safeguarding Women's Safety and Preventing Gender-Based Violence



Policy Direction:

Integrate mechanisms for preventing domestic violence, sexual assault, and sexual harassment to ensure women's safety and personal dignity.

Implementation Strategies:

Yunlin County commissions foundations to provide multiple intervention services for victims of domestic violence and counseling for offenders, including interviews, visits, sheltering, and restorative programs—efforts recognized by the Ministry of Health and Welfare for excellence in safety protection. A local court-based service office provides reporting, referral, legal consultation, and court accompaniment for victims. The County operates shelters for victims and their children under the “Domestic Violence Protection and Shelter Program.” At the Women's Welfare Service Center, psychological counseling and legal consultation are provided for victims of sexual harassment, along with a formal complaint mechanism. For sexual assault prevention, the County implements a “One-Stop Service” that integrates medical examination and investigation processes, establishing service points at National Taiwan University Yunlin Branch, St. Joseph's Hospital, and China Medical University Beigang Hospital, and assigning qualified personnel to protect victims' rights during investigation and trial stages.

5-6

Reduce Water Waste by Water Management | Sewage Treatment and Recycling | Sanitation and Equitable Water Supply | Protection and Restoration of Water Ecosystems



Ensure availability and sustainable management of water and sanitation for all.

Ensure access to safe water and sanitation for all, promote sustainable water resource management and ecological protection, and secure long-term water stability and reuse.

6 CLEAN WATER AND SANITATION



I. Groundwater Management and Land Subsidence Prevention



Policy Direction:

Strengthen groundwater usage control and monitoring to prevent land subsidence and ensure sustainable water resource utilization.

Implementation Strategies:

Yunlin County implements the Executive Yuan's "Yunlin-Changhua Land Subsidence Prevention Action Plan," focusing on reducing groundwater extraction, increasing surface water supply, rehabilitating groundwater environments, and integrating land-use planning. Illegal wells are identified and filled, while legal registration and management of agricultural wells are promoted, particularly along the High-Speed Rail corridor. Public seminars on groundwater use reduction, drought-resistant farming, resilient city planning, and water reuse strategies are held. The County also designated Taiwan's first "National Land Restoration Promotion Area" along the High-Speed Rail route to limit development and slow subsidence.

2. Agricultural Water Allocation and Reuse



Policy Direction:

Promote agricultural water-saving and storage measures, enhance water recycling, and improve agricultural water use efficiency.

Implementation Strategies:

A multifunctional detention and storage pond was constructed in Gukeng Township to allocate downstream irrigation water and recharge groundwater. The Zhuoshui Main Canal and Douliu Irrigation Channel are jointly operated to optimize water distribution, while large reservoirs balance surplus water. The Beigang detention pond supports both flood control and irrigation during dry seasons. In Yuanchang Township, the “Water Retention in Farmland” demonstration project integrates flood retention with groundwater recharge. The southern section of the Ciwu detention pond provides aquaculture water to reduce groundwater extraction and improve water resource efficiency.



3. Wastewater Treatment and Water Reuse



Policy Direction:

Improve wastewater infrastructure and promote water reclamation to enhance water quality and sustainability.

Implementation Strategies:

Yunlin County expands its sewerage system to increase household connections and overall wastewater treatment coverage. The “Yunlin River Upstream Sewage Interception and Purification Project” applies gravel-bed aeration to reduce river pollution and improve water quality. Industrial zones are guided to recycle treated effluent for process cooling, reducing tap water consumption. Water Resource Recycling Centers in Douliu and Huwei High-Speed Rail Districts reuse treated effluent for street cleaning, irrigation, and cooling, establishing a circular water utilization model.

4. Water Environment Protection and Ecological Education

Policy Direction:

Strengthen water environment protection and ecosystem restoration while promoting citizen participation and education to sustain aquatic ecosystems.

Implementation Strategies:

Yunlin County formed 626 Water Environment Patrol Team members to monitor river conditions and conduct cleanup activities across Zhuoshui, Xihu, and Beigang River basins, raising community awareness. The County established the “Livestock Sustainability Expert Guidance Team” to manage the Xihu River basin in stages, from pollution reduction and water monitoring to AI-based pollution warning systems. The “Hushan Water Environmental Education Park” obtained environmental education certification to promote water conservation awareness.





The “Zhuoshui River Estuary Ecological Park” incorporates smart monitoring and low-carbon trails and has received the Executive Yuan Gold Quality Award and Government Service Award. Ongoing wetland conservation efforts in Chenglong and Ciwu integrate ecological restoration, environmental education, and eco-tourism, with wetland certification promoting harmony between ecology and local industries.





Ensure access to affordable, reliable, sustainable and modern energy for all.

7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, and sustainable modern energy for all, promote renewable energy development, and build low-carbon, resilient communities.

I. Promoting Renewable Energy Development

Policy Direction:

Implement the Yunlin County Green Energy Policy Guidelines based on the “Three Dos and Three Don’ts” principle:

Don’t

Don’t harm agriculture or fisheries

Don’t impact tourism and the environment

Don’t violate land-use planning.

Do

Do enable industrial growth and efficient land use

Do respect public opinion and protect residents

Do promote local employment and prosperity

Implementation Strategies:

In alignment with the national target of achieving a 20 % renewable-energy share by 2025, Yunlin County has established cooperation mechanisms among government, investors, and citizens to remove investment barriers and foster the development of solar, wind, and biomass energy. The County aims to uphold market mechanisms while realizing the vision of “dual land use and maximum benefit.”

2. Developing Solar Power and Agri-Fishery Co-Generation

Policy Direction:

Expand solar-power installations and integrate renewable energy with agricultural production to increase energy self-sufficiency and support local industry.

Implementation Strategies:

Yunlin County ranks among the top three nationwide in solar-power capacity. The County installs solar panels on public buildings to achieve “air-conditioning in every classroom and power generation in every school.” Solar systems are also deployed on rooftops, playgrounds, and agricultural structures under the principle of “dual land use.” Programs for agro-solar, aquaculture-solar, and livestock-solar integration encourage farms and ranches to adopt photovoltaic and biogas-power facilities, creating win-win outcomes for green energy and agriculture.



3. Developing Wind Power

Policy Direction:

Promote offshore-wind-farm development and localization demonstrations to ensure a stable renewable-energy supply and drive regional growth.

Implementation Strategies:

Yunneng Wind Power Co., Ltd (Dade Energy) has planned 80 offshore wind turbines off the coast of Yunlin. The project secured financing in 2019, began construction in 2020, and is scheduled for grid connection in 2025. It will become Taiwan’s second-largest offshore wind farm and a key localization demonstration site, marking an important milestone in Yunlin County’s renewable-energy development.

4. Promoting Biomass Energy and Waste-to-Energy Conversion

Policy Direction:

Advance biogas power generation and waste-to-fuel conversion to foster a circular economy and reduce carbon emissions.

Implementation Strategies:

In coordination with national livestock-waste resource-recycling policies, Yunlin County subsidizes farms to establish biogas-power and reuse systems, supporting sustainable livestock operations. The County promotes the Zero Waste Recycling System (ZWS) and Mobile Mechanical Sorting and Solid-Recovered-Fuel (MMT SRF) systems to convert waste into solid-recovered fuel, replacing coal and reducing carbon emissions and air pollution. These efforts strengthen waste recycling and advance a circular, “waste-to-energy” economy.



5-8

Create Employment Opportunities | Promote the Local Development of Young People | Protect Labor Rights | Promote the Prosperity of Cultural Industries | Develop Tourism | Hold Special Festivals and Events | Promote Regional Revitalization



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

8 DECENT WORK AND ECONOMIC GROWTH



Promote inclusive and sustainable economic growth, achieve full and productive employment, ensure decent work for all, and strengthen local industrial vitality while protecting labor rights.

I. Creating Employment and Promoting Local Development



Policy Direction:

Increase employment opportunities and strengthen local industries through investment promotion, youth entrepreneurship, and reemployment support programs.

Implementation Strategies:

Idle industrial land is reviewed and offered with investment tax incentives to attract enterprises such as Google, SPIL, Formosa Advanced Technologies, and Shih Hsiang Auto Parts. Annual job fairs and recruitment events provide matching platforms for employers and job seekers. The “Silver Talent Service Centers” assist citizens aged 55 and above in reemployment. Vocational training programs are conducted for the unemployed and caregivers to enhance skills and long-term care manpower.

Employment and entrepreneurship subsidies are provided for persons with disabilities, with eight sheltered workshops established—the highest number among non-municipal counties in Taiwan.



2. Fostering Youth Entrepreneurship and Local Revitalization

Policy Direction:

Encourage youth participation in public affairs, entrepreneurship, and local revitalization to promote sustainable community development.



Implementation Strategies:

The County established the Department of Labor and Youth Affairs and the Youth Affairs Advisory Committee, organizing youth forums and consensus camps to foster civic participation. Youth entrepreneurship bases such as the “Dounan Youth Startup Base,” “51House Co-working Space,” and “YCDC Yunlin Creative Design Center” provide business incubation and grants up to NT\$3 million. The “Youth-Senior Co-living Model” integrates young creativity with seniors’ experience for intergenerational collaboration. Rural youth are guided in brand management and value-added production through workshops, while the Local Revitalization Office supports industrial innovation projects, including Kouhu smart tilapia farming, Gukeng six-level coffee industry development, and Douliu old-town culinary revitalization.



3. Safeguarding Labor Rights and Workplace Safety



Policy Direction:

Ensure fair labor conditions, promote harmonious labor relations, and establish safe and healthy workplaces.



Implementation Strategies:

The County supports labor union operations, promotes gender equality in employment, and assists SMEs through labor condition improvement programs and mobile counseling teams. Occupational safety management systems and training programs are implemented, earning the County the Ministry of Labor's Golden Safety Award and top performance ranking. The "333 Nurse Retention Project" provides subsidies to retain nursing staff and stabilize medical capacity. Agricultural associations are supported in hiring foreign agricultural workers and introducing agricultural teams to address seasonal labor shortages.

4. Promoting Cultural and Creative Industries and Tourism



Policy Direction:

Integrate cultural heritage preservation and creative performances with tourism marketing to enhance cultural industry value and regional visibility.

Implementation Strategies:

The County hosts art exhibitions, the Summer Solstice Arts Festival, and the Online Art Together program to expand digital cultural participation. Construction of the National Glove Puppetry Heritage Center preserves traditional puppet art and promotes international exchange. Historic buildings and monuments are restored under the “Recreating Historical Sites” initiative and the Beigang Sugar Factory Cultural Heritage Redevelopment Project. Large-scale events such as the Yunlin Agricultural Design Expo and Yunlin International Puppet Theater Festival promote cultural tourism and exchange.



5. Revitalizing Festivals and Sustainable Tourism

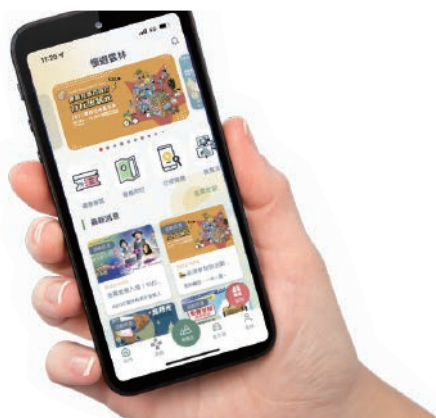


Policy Direction:

Integrate local culture, agriculture, and ecological activities to promote distinctive and sustainable tourism.

Implementation Strategies:

The “Slow Travel Yunlin” app and smart tourism guides enhance travel convenience and interactive experiences. Tourist factories and accommodations are encouraged to establish Information Stations for visitor services. The County promotes the Taiwan Tourist Shuttle – Caoling Route and diverse itineraries, combining festivals such as the Taiwan Coffee Festival, Zhaoan Hakka Cultural Festival, Chenglong Wetlands Art Festival, and Firefly Season to boost rural economies and regional tourism.



5-9

Provide Optimized Infrastructure | Sustainable Industrial Development | Industrial and Commercial | Innovation Support

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

Develop resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation to strengthen regional development.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



I. Optimizing Infrastructure and Public Services



Policy Direction:

Enhance the quality and safety of roads, public facilities, and communication systems to create a smart and sustainable city.



Implementation Strategies:

Yunlin County collaborated with telecom companies to establish 5G signal coverage in the County Government Building—the first among non-municipal counties—supporting emergency response, agriculture, and cultural applications to improve administrative efficiency and public services. The County implemented public toilet renovation and beautification projects to improve environmental quality and convenience. Major road improvement projects, including County Route 156, Yun-29 Route, and urban ring roads, were undertaken to upgrade facilities, add bike lanes, and improve pedestrian safety. Since 2019, 131 bridges have been repaired, with 76 completed, achieving the highest bridge maintenance efficiency in Taiwan.

2. Promoting Sustainable Industry and Environmental Management



Policy Direction:

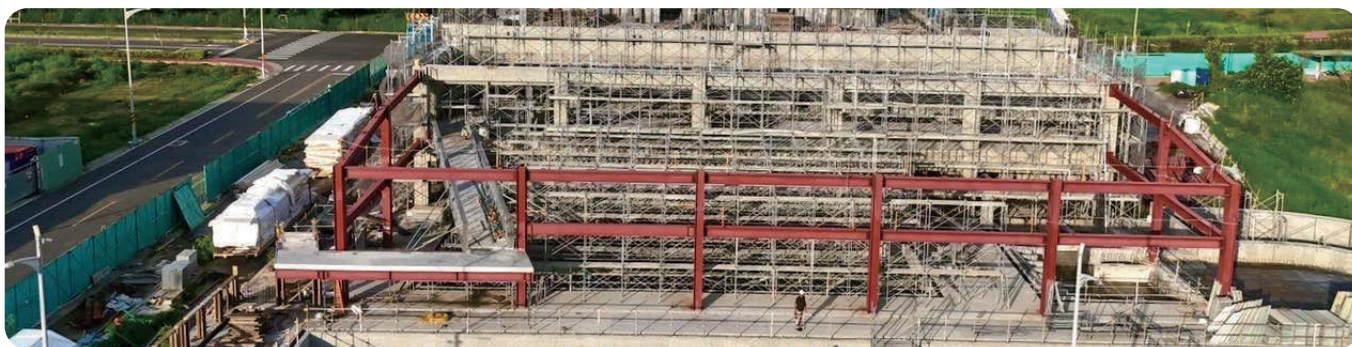
Advance sustainable industrial development and environmental governance, balancing economic growth with pollution control and energy transition.



Implementation Strategies:

The County promotes green industrial zones and established Environmental Quality Supervision Teams equipped with sensors, monitoring vehicles, and CCTV to strengthen air and water quality management. Solar power systems and air-quality protection zones were installed to reduce emissions. The Mailiao Industrial Complex was required to upgrade equipment, strengthen pollution control, and undergo regular inspections for water and toxic substance management. The Mailiao Power Plant is converting from coal to natural gas, with three units scheduled for completion by 2025, aiming for zero sulfur emissions and a 50% reduction in CO₂. A seawater desalination plant processes 290,000 tons daily, producing 100,000 tons of fresh water to supply one-third of the industrial park's demand, reducing groundwater extraction and easing environmental pressure.

3. Fostering Industrial Innovation and Park Development



Policy Direction:

Enhance the investment environment, promote industrial innovation, and achieve balanced urban–rural industrial growth.

Implementation Strategies:

The County launched the “Single Investment Service Window 2.0,” introducing an online platform to resolve business investment issues efficiently. The “Nine Plus One Industrial Park Project” integrates the Douliu Smart Electric Vehicle Innovation Park, Huwei Aerospace Machinery Park, Mailiao Green Technology Value-Added Park, Gukeng Industrial Value-Added Park, Dounan Smart Logistics Cold Chain Park, Baozhong Agricultural Machinery Technology Park, and the Great Beigang Technology Park. These developments link agricultural upgrading with emerging industries, creating a synergistic agro-industrial ecosystem. The Local SBIR Program has subsidized 320 enterprises since 2008, supporting R&D and innovation among SMEs to enhance competitiveness and generate employment opportunities.

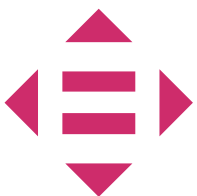




Reduce inequality within and among countries.

Promote social inclusion and balanced resource distribution, safeguard the rights of new residents, migrant workers, and disadvantaged groups, and build an inclusive society through equitable access to information and fair fiscal services.

10 REDUCED INEQUALITIES



I. Social Inclusion and Cohesion



Policy Direction:

Support new residents and migrant workers in integrating into local communities, enhance multicultural exchange, and build an inclusive and friendly social environment.

Implementation Strategies:

The “New Immigrant Family Service Center,” commissioned to the Eden Social Welfare Foundation, provides home visits, case management, and social welfare consultation. Cultural events such as the New Immigrants’ Carnival, Mid-Autumn Welcome Festival, and Cultural Market are organized to foster mutual understanding and community engagement between new residents and locals. A Migrant Worker Consultation Center offers legal advice, complaint services, and guidance for employers on lawful hiring practices, along with language learning and labor rights education to improve the working and living conditions of migrant workers.

2. Ensuring Equal Access to Information

Policy Direction:

Promote transparent governance and enhance media communication to improve citizens' access to public information and media literacy.

Implementation Strategies:

Yunlin County strengthens policy communication through interviews, public service broadcasts, and online and television campaigns. Media visits and networking events are held to foster collaboration between the government and media outlets, improving the quality of public communication and ensuring equal access to information for all residents.

3. Fair and Accessible Fiscal Services

Policy Direction:

Implement equitable taxation and digital services to reduce the tax burden for disadvantaged groups and provide convenient fiscal access in rural areas.

Implementation Strategies:

Tax exemptions are provided for low-income households, old or deteriorated buildings, and residences with elevators for the elderly or persons with disabilities. Vehicle tax exemptions are also offered for people with disabilities. Twenty-four Remote Video Tax Service Stations have been established across the county to assist residents in remote areas, complemented by home and hospital collection services for those with mobility difficulties. Multiple payment options, including mobile payment and direct refund transfers, enhance convenience and safety. The County promotes Smart Tax Digital Services and the Cross-Domain eTax System for 24-hour online applications, advancing intelligent tax administration. Public asset revitalization, second-hand goods auctions, and private participation in public construction further increase fiscal revenue and promote resource reuse.

5-11

Provide Residential Safety and Basic Services | Sustainable Transportation Systems | Green Public Spaces | Development and Construction for Cities and Communities | Promoting Smart Spaces | Reducing Harmful Impacts on the Environment | Disaster Prevention Measures



Make cities and human settlements inclusive, safe, resilient and sustainable.

Build inclusive, safe, resilient, and sustainable cities and human settlements

11 SUSTAINABLE CITIES AND COMMUNITIES



1. Safe Housing and Basic Services

Policy Direction:

Provide safe and affordable housing, implement housing justice, and strengthen fire prevention and residential safety.

Implementation Strategies:

Yunlin County promotes rental subsidies and home loan interest assistance, integrating rental, purchase, and renovation subsidies to improve housing conditions. The county also continues the installation program of residential fire alarms, providing subsidies for households to enhance fire safety, with an installation rate reaching 99.95%.



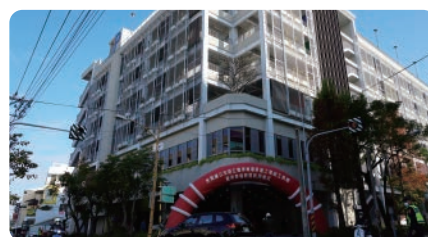
2. Sustainable Transportation System

Policy Direction:

Improve public transport networks, promote low-carbon mobility, and enhance commuting convenience.

Implementation Strategies:

Yunlin County actively enhances its public transportation environment by upgrading the bus system and implementing the Public Transport Service 2.0 program, establishing smart bus stops and shelters, and launching the Yunlin TPASS monthly pass to improve intercity transport convenience and usage. The Douliu Railway Elevation Project is promoted to alleviate urban traffic bottlenecks and enhance safety.



In rural areas, Demand Responsive Transport Services (DRTS) and Happiness Buses are introduced to ensure accessibility and transportation equity. The County has also established a public bicycle rental system covering eight townships and collaborates with GoShare to provide smart electric

scooter-sharing services, promoting the adoption of low-carbon mobility. In addition, parking infrastructure projects—including the Huwei Multi-story Parking Lot, Douliu Riverside Park Underground Parking Lot, and Huwei High-Speed Rail Sports Park Parking Lot—are implemented to ease parking shortages and revitalize local commercial districts.



3. Green Public Spaces

Policy Direction:

Create green, friendly living spaces and promote environmental beautification and community inclusion.

Implementation Strategies:



The county promotes the “Yunlin Good Life Community Planner Program” to guide communities in spatial and landscape revitalization.

It also develops inclusive playgrounds and age-friendly parks, executes the “Yunlin County Green Network Enhancement Plan,” and carries out environmental greening projects. Tree planting and the establishment of air quality purification zones are implemented to improve air quality and enhance local greenery.



4. Urban-Rural Development and Construction

Policy Direction:

Promote balanced urban-rural development and local revitalization by integrating cultural and industrial characteristics.



Implementation Strategies:

Yunlin County advances rural rejuvenation and local revitalization projects such as the “Shibi Bamboo Innovation Forest Project,” “Beigang Sugar Factory Railway Landscape and Cultural Space Development,” and “Kouhu Jinhu Settlement Cultural and Tourism Renewal Project,” combining ecological tourism and cultural preservation to stimulate local economic growth.



Other initiatives include the “Linnei Township Industrial Landscape Regeneration Project” and the “Huwei Old and New Urban Area Integration Project,” which preserve historical sites, revitalize space, and create a livable environment.



5. Smart Cities and Townships

Policy Direction:

Leverage digital technology to enhance public service efficiency and administrative innovation.



Implementation Strategies:

Yunlin County launched the “Yunlin Twist App,” a platform for digital residents of Yunlin County, integrating government information, merchant marketing, and civic participation to stimulate the local digital economy. AI-based smart networking technologies have been introduced to the rehabilitation bus service to enhance driving safety and service quality. The County has also implemented a Smart Certificate Management System and Robotic Process Automation (RPA) to improve administrative efficiency, transparency, and advance digital governance in Yunlin.

6.Reducing Environmental Impacts

Policy Direction:

Reduce air pollution and environmental burdens, and promote circular resource utilization.



Implementation Strategies:

The county implements control measures for stationary, mobile, and fugitive pollution sources to reduce industrial and transportation emissions. It has established the “Environmental Smart Decision Support System,” integrating air, water, and waste monitoring data to strengthen governance. In addition, Yunlin promotes waste-to-energy initiatives, incineration bottom ash recycling, resource recovery, and source reduction, moving toward a zero-waste county.



7. Urban-Rural Disaster Prevention

Policy Direction:

Strengthen disaster preparedness and community resilience to ensure the safety of lives and property.



Implementation Strategies:

Yunlin County has established a Smart Flood Prevention Integration Platform with monitoring equipment to enhance flood response and digital disaster management. The county cultivates disaster prevention specialists and develops community-based disaster prevention systems through training and drills, while continuing river restoration and drainage improvement works to enhance flood resilience and recovery capacity.



5-12

Ensure sustainable consumption and production patterns.

Create Agricultural Circular Economy | Industrial Water and Water-Saving Measures | Agricultural Promoting and Strategic Planning | Ecological and Green Tourism



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Promote resource recycling, energy and water conservation, and green industry development to establish sustainable production and consumption models and build a low-carbon circular economy.

I. Promoting Resource Utilization of Agricultural and Livestock Waste

Policy Direction:

Implement reuse of agricultural, livestock, and fishery waste to establish a zero-waste circular agriculture system.



Implementation Strategies:

Yunlin County promotes recycling of agricultural films, conversion of pineapple fibers into textiles, and reuse of bamboo waste for eco-products and fuel briquettes. In Dapi Township, pickled cabbage wastewater is repurposed for aquaculture, advancing the bio-circular economy. Sludge and betel nut carbon powder are processed into creative “black gold” products, enhancing local industry value. The Gukeng Agricultural Circular Education Park transforms bamboo waste into reusable materials, serving as a zero-waste demonstration site. Livestock biogas slurry and residue are used for farmland irrigation, and treated water is recycled for agricultural use, realizing resource circulation.



2. Promoting Reuse of Food and Fishery Waste



Policy Direction:

Establish diversified food waste treatment and fishery waste recycling systems to achieve simultaneous reduction and reuse.



Implementation Strategies:



The County promotes dehydration, composting (Yunlin Fertilizer), black soldier fly biological treatment, on-campus composting, and household food-waste machine subsidy programs to strengthen waste reduction and resource regeneration. Fishery waste reuse initiatives convert discarded clam and oyster shells into fertilizer or feed ingredients, with temporary storage sites to prevent dust emissions. Additionally, businesses employ nanotechnology and recycled plastics to produce “sea wool” textile fibers, creating green products from marine waste.

3. Advancing Water-Saving and Green Agriculture



Policy Direction:

Promote water-saving agricultural practices, support crop structure adjustment, and develop organic and eco-friendly farming to enhance agricultural sustainability.



Implementation Strategies:

Along the High-Speed Rail corridor, the County implements the Farmland Conversion to Dry Crops Program in coordination with the Green Environmental Payment Scheme to encourage water-efficient and eco-friendly farming. The Gukeng Organic Agriculture Promotion Zone and Mayuan Organic Agriculture Park promote organic cultivation and six-level industry integration, combining environmental education and food-agriculture learning to form Taiwan's largest organic demonstration base.

4. Developing Agricultural Branding and Green Tourism



Policy Direction:

Strengthen agricultural branding, marketing, and green tourism to enhance industrial upgrading and sustainable consumption.

Implementation Strategies:

Yunlin County promotes the Yunlingoods brand and its e-commerce platform, implementing product certification, traceability, and production history systems while facilitating channel cooperation to enhance market exposure. The County supports farmers in establishing cooperatives to strengthen their marketing and processing capabilities. In addition, local businesses are assisted in obtaining Green Restaurant and Eco-Friendly Hotel certifications to promote green tourism, low-carbon dining, and sustainable travel.

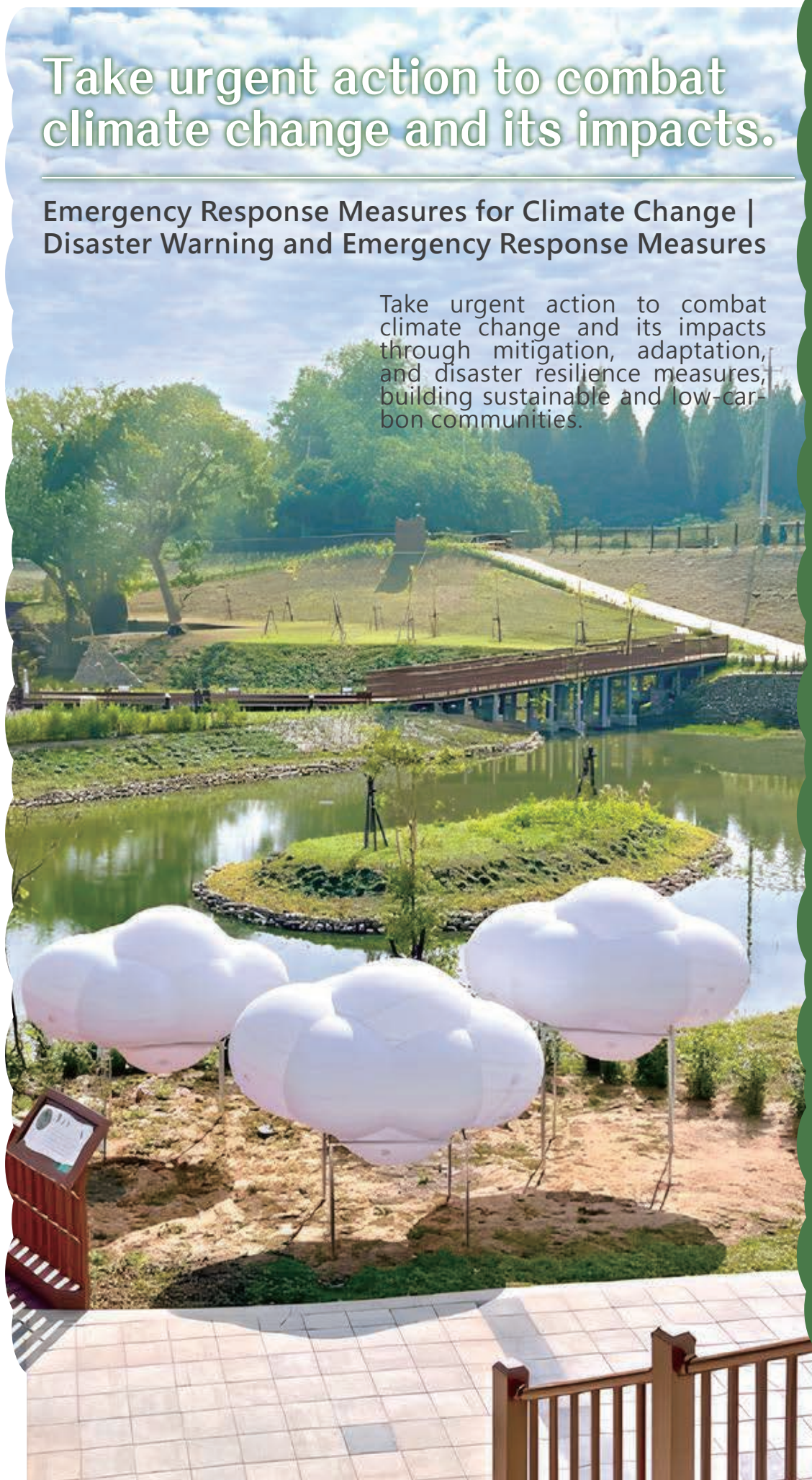


5-13

Take urgent action to combat climate change and its impacts.

Emergency Response Measures for Climate Change | Disaster Warning and Emergency Response Measures

Take urgent action to combat climate change and its impacts through mitigation, adaptation, and disaster resilience measures, building sustainable and low-carbon communities.



13 CLIMATE ACTION



I. Strengthening Carbon Reduction Governance and Climate Adaptation



Policy Direction:

Promote climate change mitigation and adaptation policies, establish cross-sectoral governance mechanisms, and achieve low-carbon and sustainable goals.

Implementation Strategies:

Yunlin County set greenhouse gas reduction targets of 10% by 2025 and 20% by 2030, compared with 2013 levels. Renewable energy projects include 200 MW of solar power, 1,640 MW of wind power, and livestock biogas reuse, along with boiler replacement using natural gas and energy management system implementation. The County established the Climate Change Response Project Office to facilitate cross-sectoral collaboration, assist businesses in carbon inventory management, and develop climate adaptation training and knowledge systems.

2. Advancing Net-Zero Transition in Agriculture

Policy Direction:

Align with the Ministry of Agriculture's climate adaptation strategy to promote carbon reduction and carbon sequestration in agriculture for sustainable transformation.

Implementation Strategies:

Six net-zero strategies were introduced, covering carbon capture technology, industrial waste reuse, integrated land planning, crop structure adjustment to increase carbon sinks, interdepartmental energy allocation, and carbon storage demonstration. The County's 2040 agricultural decarbonization roadmap emphasizes social support, industrial transformation, and sustainable agriculture. The Caoling–Shibi bamboo forest carbon sequestration project covers 516 hectares and has been certified by the World Bamboo Organization as the world's first "Bamboo Landmark City." It also explores carbon credit mechanisms and plans to apply for FSC sustainable forestry certification.



3. Promoting Low-Carbon Sustainability and Regional Cooperation

Policy Direction:

Implement low-carbon living and sustainable community development, strengthening regional cooperation for net-zero transformation.

Implementation Strategies:

The County promotes the Ministry of Environment's Low-Carbon and Sustainable Homeland Program, focusing on ecological greening, renewable energy, and low-carbon living measures. All 20 townships participate, with more than 75% of villages engaged.

Yunlin and seven other central Taiwan counties signed the Science-Based Regional Climate Action Initiative, outlining eight actions including a Climate Action Academy, green transportation, and community adaptation projects, advancing Central Taiwan toward net zero.



4. Promoting Corporate Carbon Reduction and Green Initiatives

Policy Direction:

Strengthen collaboration among government, industry, and academia, and encourage public participation to promote corporate net-zero transition and citizen-led green actions.



Implementation Strategies:

The County promotes the Ministry of Environment's Low-Carbon and Sustainable Homeland Program, focusing on ecological greening, renewable energy, and low-carbon living measures. All 20 townships participate, with more than 75% of villages engaged.



5. Strengthening Climate Disaster Prevention and Water Environment Management

Policy Direction:

Enhance agricultural disaster resilience, emergency response, and water environment improvement to mitigate climate impacts.



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Implementation Strategies:

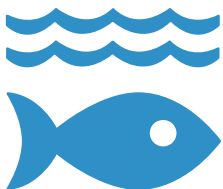
The Yunlin Digital Agriculture Action Platform provides weather forecasts, crop management, and smart agriculture monitoring, while promoting non-chemical pest control methods. The County implements farmers' occupational injury and agricultural insurance programs to enhance protection and disaster resilience. Flood prevention and water environment projects include the Ciwu Detention Pond improvement, Zhuoshui River Waterfront Park, Houzhuangpi Park, and Yunlin River Uncovering Project, integrating flood control, ecology, and recreation to create a safe and livable water environment.

5-14

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

Protect and sustainably use marine and wetland resources through pollution prevention, ecological conservation, and coastal management to ensure the long-term health and sustainability of marine ecosystems.

14 LIFE BELOW WATER



Protect Marine and Wetland Ecology |
Clean and Maintenance of Coastal Environment

I. Marine Pollution Prevention and Monitoring



Policy Direction:

Enhance pollution control and marine monitoring to maintain water quality and ecological balance.

Implementation Strategies:



Yunlin County conducts inspections of ports, vessels, and land-based pollution sources, regularly monitors coastal and beach water quality, and organizes oil spill response drills. Pollution inspections are strengthened in the Mailiao Industrial Complex. A Marine Water Quality Monitoring Station at the Xihu River estuary uses high-precision sensors and real-time data transmission to automatically monitor 12 water quality indicators, including chemical oxygen demand (COD), ensuring scientific pollution management and improved early warning and response capabilities.

2. Marine Conservation and Ecological Restoration

Policy Direction:

Protect marine resources, preserve biodiversity, and promote sustainable fisheries and wetland restoration.

Implementation Strategies:

The County promotes Fishing Suspension Incentive Programs encouraging fishermen to rest during non-peak seasons to save fuel and reduce carbon emissions. A total of 1.117 million fish fry were released in 19 operations in 2024 to restore fishery resources. In accordance with Ministry of Agriculture policies, eel fry harvesting within three nautical miles of the coast is prohibited during closed seasons to balance conservation and fishermen's livelihoods.

The Zhuoshui River Estuary Ecological Wetland Park and wetland certification initiatives integrate aquatic ecological protection with sustainable industry development.



3. Coastal Cleanup and Environmental Maintenance

Policy Direction:

Encourage public participation in coastal maintenance and plastic reduction to create clean, safe, and eco-friendly shorelines.

Implementation Strategies:

The Salute to the Ocean – Coastal Cleanliness and Maintenance Project includes fishing platforms in Taixi and Kouhu Townships with improved safety facilities and maintenance systems. Since 2021, the Coastal Adoption Program has encouraged enterprise and community participation in shoreline management. In 2023, corporate briefing sessions with ESG incentives involved 21 companies and 12 central and local agencies, raising the adoption rate from 38% to nearly 100% and collecting 762.6 tons of waste. The Yunlin Fishing Port and Coastal Waste Removal Project established an even-day post-disaster cleanup mechanism. The County continues removing microplastics and plastic pellets along the coast and promotes national policies to restrict single-use plastics, aiming for a total ban on plastic bags, disposable tableware, and straws by 2030 to reduce pollution at the source.



5-15

Afforestation | Conserve and Utilize Land and Coastal Resources | Prevent Management and Breed Responsibilities of Stray Animals

Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and reserve land degradation and halt biodiversity loss.

Conserve and sustainably manage terrestrial ecosystems through afforestation, wildlife conservation, and land management to prevent land degradation and biodiversity loss, ensuring the sustainability of natural environments.

15 LIFE ON LAND



I. Forestry and Afforestation



Policy Direction:

Promote nationwide tree planting and afforestation on cultivation-restricted lands to protect the environment and enhance carbon sequestration capacity.

Implementation Strategies:

Yunlin County continues to promote national afforestation programs and incentive schemes, engaging public and private collaboration for long-term forest cultivation. Following the conclusion of the previous phase in 2022, the Forestry and Nature Conservation Agency launched new initiatives to maintain continuity. The Afforestation on Difficult-to-Cultivate Lands Program assists farmers in planting suitable tree species to preserve ecosystems and expand green resources. The Low-Carbon Living—Countywide Tree Planting Action has planted over 50,000 trees and shrubs across 20 townships, covering 130,000 square meters, increasing carbon absorption and public environmental awareness. The County also promotes forest product marketing, driftwood removal, invasive species control, and windbreak maintenance to strengthen sustainable forest management.



2. Conservation and Sustainable Use of Terrestrial and Riparian Resources



Policy Direction:

Strengthen habitat conservation, invasive species control, and landscape management to preserve biodiversity and ensure the sustainable use of natural resources.

Implementation Strategies:

The County improves habitats for protected trees, conducts old-tree pruning, and prevents brown root disease. Environmental education programs such as the Centennial Tree Ecology Education Program and Purple Butterfly Season raise ecological awareness. Subsidies support the Biodiversity Tour and Invasive Species Education Program and the Egyptian Sacred Ibis Population Management Plan to reduce invasive species threats. Satellite imagery monitoring verifies suspected illegal land use within ten days to prevent deforestation, with 14 sites scheduled for 2025. Conservation of Caoling Geopark and the New Ten Views of Caoling Geotourism Project protects geological landscapes and promotes sustainable use. In wildlife protection, 18 rescue operations were conducted in 2024, treating 45 animals, and farmers were assisted in installing electric fences and deterrent devices to prevent macaque intrusion and maintain ecological balance.

3. Stray Animal Prevention, Management, and Responsible Ownership

Policy Direction:

Enhance stray animal management and promote responsible pet ownership to create an animal-friendly city.



Implementation Strategies:

Yunlin County promotes stray dog and cat sheltering, adoption, and sterilization programs. The Yunlin County Dog and Cat Neutering Center provides integrated services—sterilization, registration, and rabies vaccination—with over 7,000 sterilizations performed annually, improving source control. The County conducts animal inspections and awareness campaigns, completing 346 inspections and 143 outreach sessions in 2024. Pet business audits, microchip implantations, and registration services totaled 8,097 cases. The Dog Park project offers safe recreational spaces for pets, while Non-Dog-and-Cat Pet Seminars and Free Clinics educate the public on animal care and welfare, fostering empathy and responsible pet ownership in a friendly urban environment.



Crime Prevention Measures | Fair Judicial Protection | Information Transparency System | Atten-

Build a secure, transparent, and participatory governance environment by strengthening public safety, judicial services, anti-corruption mechanisms, and open decision-making to promote a just, inclusive, and sustainable society.

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable, and inclusive institutions at all levels



I. Crime Prevention Measures



Policy Direction:

Enhance police capacity and community safety systems to prevent crime and ensure a safe and livable environment.

Implementation Strategies:

Yunlin County continues to advance smart policing by planning the Digital Technology Police Building and introducing AI-based alert and patrol systems to improve operational efficiency. A total of 3,000 intersections equipped with 11,715 surveillance cameras strengthen community security and traffic safety. The Youth Project prevents juvenile delinquency and victimization through legal education and awareness campaigns. The County combats human trafficking and illegal migration—its 2024 Anti-Slavery Project ranked 4th nationwide in the Police Administration's Category B division. The Community Safety Service Stations and domestic violence prevention programs operate across 392 villages with 1,204 safety stations, forming a comprehensive safety network that provides immediate reporting and assistance services.

2. Fair Judicial Protection

Policy Direction:

Safeguard citizens' litigation rights and enhance accessibility to timely and affordable legal assistance.



Implementation Strategies:

Free legal consultation services are provided through stationed lawyers available weekly at county and township offices. From 2024 to 2025, 1,530 cases of public petitions and environmental disputes were handled. Cross-departmental collaboration and electronic processing systems improve administrative efficiency and protect citizens' legal rights.

3. Transparent Information Systems

Policy Direction:

Promote open government and strengthen digital services while ensuring cybersecurity and personal data protection.



Implementation Strategies:

Yunlin County promotes the adoption of Open Document Format (ODF) to enhance inter-agency file compatibility and public accessibility. The County's data centers, official website, and e-document systems have obtained ISO/IEC 27001:2022 certification, ensuring information security. An Advanced Persistent Threat (APT) defense system successfully blocked nine cyberattacks, while the cybersecurity task force conducts monthly audits to safeguard government data.

Yunlin is the first local government in Taiwan to achieve TPIPAS certification for personal data protection management. The Cloud Co-Development Platform and MyData Initiative integrate online applications, the 1999 service hotline, and the County Mayor's Mailbox, offering 234 online services to advance smart governance and digital inclusion.



4. Valuing Public Opinion and Democratic Participation



Policy Direction:

Promote integrity education, open information, and participatory governance to establish a transparent, accountable, and democratic administration.

Implementation Strategies:

Fifty integrity and anti-corruption education sessions were conducted for civil servants to strengthen ethical self-discipline. The Yunlin Online Platform and intelligent customer service system improve public communication and response efficiency. The County continues to promote Community Building Committees and Township Micro Cultural Centers to expand civic engagement and cross-sector collaboration. In 2024, participatory budgeting focused on sustainability, age-friendly policies, and climate-adaptive agriculture, with ten proposal workshops ensuring that public resources reflect citizen needs.

Cooperate with International | Companies to Implement Sustainable Development | Cross-County and City to Promote Regional Development | Cross-Bureau and Unit Cooperation to Establish a New Public Service Culture | Cooperation with Academic Units and Corporate Partners | Civil Society Partnership



Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.

Strengthen implementation mechanisms through international, regional, interagency, academic, corporate, and civic cooperation to localize the Sustainable Development Goals and realize the vision of "Happy Yunlin, Sustainable Future."



I. Advancing Sustainable Development through International Cooperation



Policy Direction:

Actively participate in international organizations and exchanges to enhance sustainable governance capacity and global visibility.

Implementation Strategies:

Yunlin County joined the International Association of Puppet-Friendly Cities (AVIAMA) and the ICLEI – Local Governments for Sustainability. The County signed MOUs with institutions such as the École Nationale Supérieure des Arts de la Marionnette (France), Tatebayashi City (Japan), Humboldt County Office of Education (USA), and Chungnam National University (South Korea), promoting educational, cultural, and research collaboration. In 2024, Yunlin was selected among the Top 7 Intelligent Communities of the Year, showcasing effective smart governance. The Office of International Affairs coordinates guest reception, partnerships, and alliance activities, organizing international visits and exhibitions such as the Singapore International Food Expo and overseas Taiwan Vegetable Festival promotions to expand agricultural export channels.

2. Promoting Regional Development through Inter-County Cooperation



Policy Direction:

Establish collaboration mechanisms with neighboring counties and cities to advance tourism, healthcare, and governance integration.

Implementation Strategies:

Yunlin participates in the Central Taiwan Tourism Promotion Alliance and the Central Taiwan Regional Governance Platform, cooperating with eight counties and cities on air pollution control, tourism development, and agricultural marketing. The Greater Caoling Regional Tourism Industry Alliance integrates regional food, accommodation, recreation, and transportation resources to build a regional brand. In partnership with Chiayi and Tainan, the Southern Taiwan Medical Network promotes integrated healthcare services, earning both the Excellence Award and Local Innovation Award from the national health authority.

3. Fostering a Collaborative Public Service Culture through Interagency and Cross-Sector Cooperation



Policy Direction:

Integrate government departments and resources to strengthen sustainable governance efficiency and cultivate a culture of collaboration and innovation.

Implementation Strategies:

The Yunlin County Sustainable Development and Climate Change Response Committee coordinates policies and enhances climate adaptation strategies. Mechanisms such as the Gender Equality Committee, Local Revitalization Office, Youth Affairs Advisory Committee, and Disaster Prevention and Relief Office improve administrative integration and public participation. The Environmental Monitoring and Response Center strengthens petrochemical disaster response capacity, while cooperation with the National Yunlin University of Science and Technology supports a 3D toxic diffusion simulation system, advancing disaster prevention technology.



4. Academic and Corporate Partnerships for Sustainable Development



Policy Direction:

Leverage academic and corporate resources to drive local innovation and sustainability initiatives.

Implementation Strategies:

The Yunlin County government-study-medicine cooperation platform connects universities and medical institutions to revitalize local industries. The County signed a Sustainable Environmental Guidance Agreement with the Yunlin Science and Industrial Park to promote the conversion of industrial boilers to natural gas. Partnerships with Formosa Plastics Group and the Feng Tay Education Foundation support educational, medical, environmental, and social initiatives, advancing corporate social responsibility and community engagement.

5. Civil Society Partnerships



Policy Direction:

Encourage civic participation in public affairs and deepen volunteerism and community empowerment to strengthen local sustainability.

Implementation Strategies:

Public, agricultural, and environmental volunteer programs continue to thrive, with over 20,000 active volunteers demonstrating civic engagement and mutual support. The County guides townships in establishing community development associations and professional support teams to implement the Community Building and Cultural Revitalization Program, fostering environmental improvement, cultural preservation, and local regeneration. By 2025, Yunlin has developed a comprehensive community support network that promotes resident participation and shared governance, embodying the vision of an “Autonomous, Vibrant, Happy, and Sustainable Yunlin.”



Chapter 06

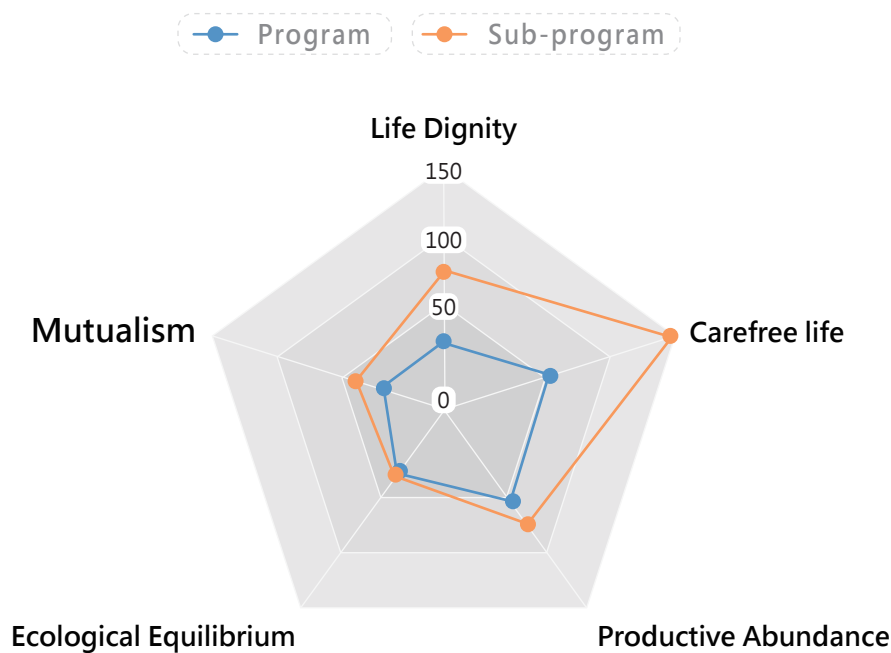
Future prospects



This third Voluntary Local Review (VLR) of Yunlin County provides an overview of how the County’s governance aligns with the 17 Sustainable Development Goals (SDGs). Policy objectives and outcomes are mapped to the SDGs and summarized through the five-pillar framework of the “Yunlin County VLR Review Pyramid.”

In the 2025 Yunlin County VLR, a total of 217 primary programs and 347 sub-programs are included. Overall governance efforts place the greatest emphasis on “Secure Living” (SDGs 3, 4, and 11), followed by “Prosperous Production” (SDGs 7, 8, 9, and 12). This distribution indicates that the County’s SDG-related policies prioritize the social, economic, and human rights dimensions.

Five lives Framework (Practice)	Projects		Sub-Projects	
	Quantity	Percent	Quantity	Percent
Life Dignity	34	16%	69	20%
Carefree life	57	26%	120	35%
Productive Abundance	57	26%	72	21%
Ecological Equilibrium	39	18%	41	12%
Mutualism	30	14%	45	13%
Total	217	100%	347	100%



Distribution of SDG Policy Outcomes under the Five-Pillar Framework

Facing climate change, digital transformation, industrial restructuring, and demographic challenges, Yunlin County has upheld the principle that “sustainability is rooted in people’s daily well-being” since launching its SDG efforts in 2020. We continue to strengthen policy implementation and outline the following directions for further improvement:

1. Smart and Sustainable Governance

Building on the ICF Top7 recognition, Yunlin County will expand smart governance, data sharing, and public service transparency. Pilots like “Smart Townships” integrate telemedicine, robotics, and smart agriculture to bring technology to both urban and rural areas.

2. Low-Carbon Agriculture and Circular Economy

Building on the ICF Top7 recognition, Yunlin County will expand smart governance, data sharing, and public service transparency. Pilots like “Smart Townships” integrate telemedicine, robotics, and smart agriculture to bring technology to both urban and rural areas.

3. Resilient Urban–Rural Development and Climate Adaptation

The County will enhance river management, flood control, green buildings, coastal protection, and community resilience. The draft “Net-Zero Sustainability Regulations” aims to institutionalize these efforts with legal and cross-departmental support.

4. Industrial Transformation and Smart Agro-Industry Development

Through the “9+1 Industrial Parks,” Yunlin will promote low-carbon manufacturing, smart agriculture, and internationalized branding, building a “Smart Agro-Industry Tech City” that integrates agriculture, manufacturing, technology, and services for economic growth and employment.



2025 October



SUSTAINABLE DEVELOPMENT GOALS
YUNLIN COUNTY VOLUNTARY LOCAL REVIEW

Yunlin' s Future Starts Today
Stepping onto the Global Stage: Yunlin SDGs in Action



SUSTAINABLE DEVELOPMENT GOALS

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[Yunlin County VLR Download]