

Presenter: Director Ying Feng-Lan



Smart Prevention—Dengue Fever Mobile Epidemic Prevention Decision-Making

Platform

- Marks dirty points, Breteau level, and easily flooding area…etc , Division epidemic prevention area in line with street and provide in formation of epidemic prevention decision.
- ☐ The "Gnat Fighter" information platform

 (https://am.geohealth.tw/) provides the public for the information of locations of where mosquitoes with diseases are frequently found.





The area about easily flooding, sewage pipeline, range of eliminate, rainfall data, information of vector mosquito and data of tube points.



Vector mosquito monitor: The distribution situation of Breteau is update everyday.

Smart Prevention— The Pingtung Disaster Prevention App

- According to the location service, map data, disaster prevention data, disaster prevention and response information, plan the evacuation route in advance.
- Provides Integrated information on geochemical meteorological services, disaster prevention warning information and open materials for various disaster prevention related units, and customized disaster prevention action application platform.
- Provide regional meteorological forecasts, agriculture and fishery meteorology for various townships within the jurisdiction.
- Stable service quality with Microsoft® Azure Cloud Service and Youtube Image Encoding Service
- ☐ Cooperate with the local private sector fourth industry to release disaster prevention information during the disaster.



Smart Prevention— Mobile Disaster Relief Information

- Information
 The "Smart Firefighting Action and Disaster Relief Integration System" integrates the physical network technology and GIS platform to master the scene, command, vehicle and manpower dispatch, fire water source and public dangerous goods information of disaster blocks, improve rescue efficiency and reduce disaster losses.
- Actively warn the disaster information at nearby important cultural relics such as historical sites and buildings, and immediately dispatch firefighter for action.
- The [Emergency Management Information Cloud] collects disaster information, the system automatically assigns disaster relief units, and all relevant units directly report cases to the system to facilitate case control and tracking, and strengthen the effectiveness of the disaster.



Smart Firefighting Action and Disaster Relief Integration



Smart Prevention— Pingtung County Water Monitoring System

- ☐ The county has 45 rainfall stations and 4 tidal stations, which automatically report hourly data. Through the 43 On-Bridge Water Level stations, water level is monitored by radar waves, along with 34 video to provide accurate data and images.
- ☐ There are 91 mobile pumps in the southern

 Pingtung region that reports immediately data for location and pumping information
- Integrating GPS, unit operation signals, and cloud data platform to provide information for large mobile pumping equipment with location, pumping switch, estimated pumping volume and carrying movement...etc, and to control data for disaster relief and supports of decision making.





Smart Transportation – The "Kenting Go" Project Demand-Reflective Transportation Service

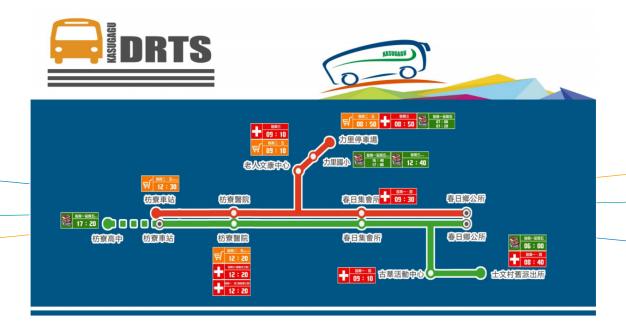
Kenting Go— The HenChun Peninsula 4G Smart-Travel Service Plan

☐ Integrates services of businesses and markets of the peninsula, provides Deep-Travel Experience Service and Social network Analysis Service, and builds innovated service and market promotion.



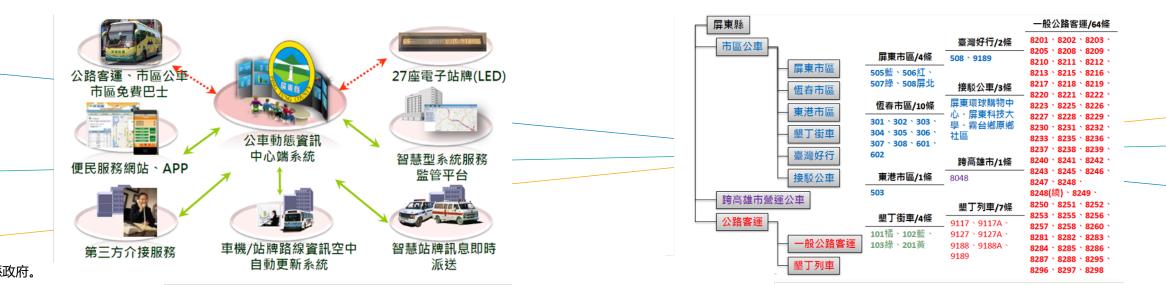
Demand-Reflective Transportation Service

Utilizes and integrates sources of different aspects, with the core value of "customize and user payment" of DRTS, **Solving** the **transportation demand** and **issues** of suburban townships (chunri).



Smart Transportation— Pingtung County Bus Information System

- □ Provides information of bus and shuttle in the county and in the city (approx. 80 routes), including real-time location of the buses and history traveled paths.
- □ Users may proceed to the bus stop accordingly to the **estimate arrival time** of each buses, sufficiently decrease uncertainty while waiting and wait time.
- □ Public units may refer to the travel data of the transportations for administrative assessment and operation subsidize.
- Corporation may use the data for vehicle and schedule adjustment, as well as drivers management.



Smart Energy—Solar Farm and Solar School

Solar Farm

□ The total capacity of the solar power generator is 23.4 million

MW, Annual increase in renewable energy generation is 31 million kWh, annual carbon dioxide reduction is approx. 16,420 tons.

Solar School

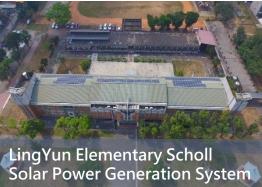
■ Estimation of solar power generation of 16.8 million kWh, annual carbon dioxide reduction of approx.

8,879 tons. The power generated can also make up for the budge of schools in the county.









Smart Education

數位素養 深度學習

學生學習

培養學生 資訊素養 能力

組織推動

資教中心 輔導團 入校陪伴 自發 互動 好

網路替 代馬路

翻轉學習 遠距教學 跨界連結

教師教學

建立教師 創新教學 模組

場域環域

智慧教室 智慧網路

即具正用 3學年度進用資訊專長 式教師4名、科技領域 與翌輔道園

執行、素養

入校陪伴輔導

資訊設備使用率及運用 方式之輔導機制 資訊教育資源中心

行政管理、系統開發、網管資安、資訊教育等 4組諮詢協作團隊

課程與教學設計

縣本課程教學設計、教 案評比、教學分享會 專業知能提升

資訊增能研習35場以上 提升教師專業能力



Smart Classroom

Under the leadership of the Pingtung County Magistrate Pan Men-An, the population of installation of smart classroom has been increased to 100% (205 schools and 2602 classrooms), achieving the goal that every class as tablet, and every school has interactive monitors.

Smart Internet

- □ renewed internet equipment at 205 school and 2602 classes
- ☐ Installed net switch and , NAS (stores digital course materials)
- □ Replaced backbone, firewall, Edge switch, 2
 Net-base at every classroom
- Every two classroom has an AP
- Systems including "smart online management system" at the Information Education Center, Log and Audit System, Internet management system, Internet control device



Smart Government—Pingtung County Land Administration iService

- application provides **Online Services** to the public including case status (registered cases, measuring cases, transferred cases), announcement of present value and land pricing, land section code look ups, case notification...etc.
- ☐ Through active notifications, the system will notify the user with the information of case status.



Smart Government —Pingtung County Stamp Digitalized System

- With the digitalized stamp system, man-made mistakes would decrease, and the procedures of case reviews can be sped-up
- ☐ Cross-Regional Service with in the county allows the public to choose close-by administration unit to proceed their cases, saving not only time but the cost for transportation. From 2016 September to end of this July,
 - 21,982 cases have been processed.
- □ As each stamp cases saves 40 minutes of transportation time, the application saves approx. 879,280 Hours annually.
- Provides sub-system services including administration management, household administration, forms, and information to increase efficiency.



Smart Government — Digitalized Household Administration Service

- ☐ The 「Pingtung Household and Military-Service App」 mobile service provides online application and appointment for household administrative services, in order to save time at desks.
- □ With the digitalize data, it provides cross-regional service of Household Certificate Application. From 2016 to this July, 177,386 cases of incounty certificates have been issued, and 140,119 case of out-of-county certificates hve been issues, as well as serving 200 people daily₀
- □ Cross-office services including land administration, tax, DMV, insurance guild, health care, Taiwan Water and Taiwan Power…etc, people may first proceed related needs at the Household Administration Office, then apply to renewed household certificate to up-mentioned units. Between 2017 to end of this July, 238,618 cases has been served.





Smart Government— Mobile Local Welfare Service

- With mobile devices, officers can actively visit underprivileged households to assist with services of social welfare application.
- ☐ Integrates laws and regulations, provide related social benefit for people of different background to obtain assistance accordingly.
- Provides information related to social welfare institutions for users to search for matters such as business hours, service details, contact...etc.



Smart Government— Pingtung County e-Road Construction Network

- □ The government created a road database and **excavation management system** for pipeline unit to apply for construction and related authority to review.
- Integrated pipeline data in the system can be used for related units and authority to search. Pipeline units may look for pipeline location before construction, in order to adjust actions accordingly to

avoid incidents.



ISSUES GOVERNORS FREQUENTLY ENCOUNTER

- How to follow up with cases regarding receiving of subsidize or assistance from the Central Government in time?
- Ways to manage the progress of each project?
- What's the execution outcome of important plans?
- Effective coordination and communication between units?
- Raising execution rate of budget?
- Specific governance objective and annual result?





民由縣 公田河根敦林工程(今级外区部) 原南斯森林林安徽京全部张书依辖下约 4 6

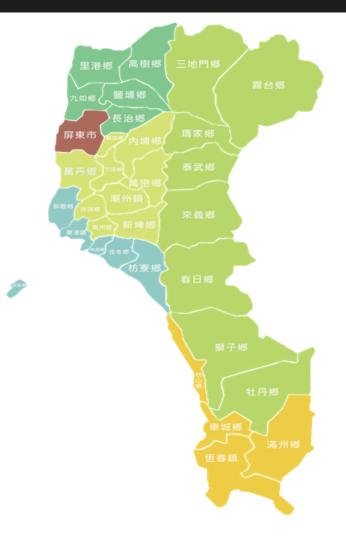
○109年全中渾惠客



Smart Governance: Cloud Project Administrative System

- 1 Lighten Office Stress
- 2 Ask for Specific Progress
- Search for Needed Info
- Manage what's behind
- **Bilateral** Coordination
- Regulate Due Dates

Innovation · Wisdom · Mobilize · Simple Achieving Governance Goals



- ◆ Total important projects managed in the past 3 years : 4,461 cases
- ◆ On-Going: 1,340 cases
- ◆ Closed Case: 3,121 cases
- ◆ Total Budget: 73.7 billion 18 mil.

Obtained 2019 [Global Views Monthly] <u>5-Star Leader</u>

Residents Approve Governance Outcome

Pingtung's FIRST 5-star leader in the history

Resident Satisfaction rate reaches 75.7%

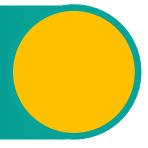
Highest Satisfaction rate among 13 counties in Taiwan

Ranking on Top 3 in Taiwan

Governance 4 Highlights

Social Welfare

Parental Subsidy Young Adult 3 Policies- "Return-Home" Work/Business Start-Up/Building-Family Subsidies Young Community Care Center Inter-Generational Accessible Park



Culture and Education

V.I.P Zone · Public Library Reconstruction · Art Performance Spaces

Economy

Investment Promotion · Youth Entrepreneurship · City-Marketing Events



Construction

Uncultivable land for Green Energy . Smart Transportation

Social Welfare



Young Adult 3 Policies:

"Return-Home" Work Subsidy Business Start-Up Subsidy Building-Family Subsidies

Inter-Generational Accessible Park

Young Adult Three Polies

"Return-Home" Work Subsidy

- 1. Age of 15 to 44 x move to and register in the county x Labor (work x have labor insurance x company Location in Pingtung)
 - 2. From the day of application: continuously be employed for over 6 months
 - 3. Employment Grant : NTD. 30,000 (approx. USD\$1000)



Young Adulhree Polies Business Start-Up Subsidy

- 1. Age of 20 to 45 x Profit Business Registration in Pingtung x Youth
 - 2. Loan Credit: maximum of NTD 2 Million (approx. USD\$63,653)
 - 3. Completing 20 units of entrepreneurship courses at the Youth College → lower interest to 1.29%



Young Adult Three Polies Building Family Subsidy

- 1. Age of $20 \text{ to } 50 \times \text{Resident of the county}$
- 2. Purchase housing and reside in the county x First-time Buyer
- 3. Purpose: Bring youths back home x invest in industries of agriculture, forestry, fishery and husbandry x Resolve Labor Shortage



Child-Care Parental Subsidy



- 1. **Assist in pairing**: Certified Babysitter X Temp. Babysitter
- 2. Age 0~4 Parental Subsidy: US\$80/mo
- 3. Age 0~2 Child-Care Options:
 - ✓ Quasi-publicized Babysitter : US\$190/mo (Total 450 people)
 - ✓ Quasi-publicized private Infant Care Center : US\$190/mo (Total of 8 locations)
- ✓ Public infant Care Center: US\$95/mo (Currently 1 Location · 6 more in the future)
- 4. Child-Care Resource Center: (Currently 2 Locations · 3 more in the future)
- \checkmark Kids from Age of $0-6 \times \text{Care-Taker}$
- ✓ Promotions in Communities
- ✓ Suburban Regions Tour Toy-Bus

Inter-Generational Accessible Park

- 1. Park size approx. 5500 square meters
- 2. Cater to groups of all ages x recreational amenities (e.x. Jack's Tree House x Roller Slide)
- 3. First of the Nation x People with disabilities x zip wire
- 4. First in Pingtung x Accessible (wheelchair) swing



Care Center

1. **334 Centers**:

Location Density 72.14% x Service Coverage 89.20% (Aboriginal Townships : 98.41%)

2. Volunteer: Lead Events x Care Calls x Care Visits

3. **Innovation**: Silver-Bling Musical Team x Hu-Gia Group x CHC Health Examination Tour Service



Culture and Education

VictoryStar in Pingtung Zone

Library Reconstruction

Central Library Fu-Xing Library

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Art and Culture Performing Space
Wu-De Hall
Performing Center

Old Tobacco Factory

V.I.P Zone VictoryStar In Pingtung

- 1. Historical Architecture (2007):
 - ✓ Post-war x Veteran Family Base x Military Persons & Family
 - Military Dependents' Village Culture
- 2. Featured Creative Park & Streets:
 - ✓ Showcases historical memory x Space design x Modern Lifestyle
 - ✓ Business: 16 Stores x restaurants x handcrafts x books x clothes
 - ✓ Multicultralism x Cultural Creative Talents



Library Reconstruction

Central Library

Cultural Affairs Department Zhong-Zheng Library

- 1. Construction done in the end of 2019 x Opens in 2020
- 2. Floor space approx. 91,555 sq.ft x approx. 700 seats
- 3. Designed to be the:
 - ✓ 1st Floor : Kids x Family x Elder Readings x Annual New Books x Light Cuisine
 - ✓ 2nd Floor: General Books x Outdoor Garden Reading Area
 - ✓ 3rd Floor : Teenager Readings x Wifi x DVD's x Anime/Comic Books
 - ✓ 4th Floor: Pingtung Literature x multicultural x Southest/Western Language
 - ✓ 5th Floor : Speech Room x Movie Showing x Art and Cultural Events





Art&Cultural Performing Space

Wu-De Hall

- 1. The 2nd Wu-De Hall was originally built in 1929
- 2. Fully repaired in 2019.
- 3. **Historic Architecture**: Featured building of the Japanese Rule x Important site of the 228-Incident
- 4. Exhibition space: Youth Culture x 3D Sculptures x Installation Art
- 5. Vital art and cultural core : Wu-De Hall x Pingtung Art Museum x Pingtung Park



Art&Cultural Performing Space

Performance Hall

- 1. First in the Nation x Open Stage x Musical (county level)
- 2. Symphonic Pipe Organ (Formosa Pipes) :
 Bamboo-made x Horizontal sound tube(45 plugs x 2793 tubes)
- 3. Architechtural Space: Concert Hall x Experimental Theater x Outdoor Plaza x Rehearsal Room
- 4. Experimental Theater:
 - ✓ Concept of Design : Black Box
 - ✓ Experimental dramas x Dance Performances x Small Scale Indoor Music x Concert x Assembly



Art&Cultural Performing Space

Old Tobacco Factory

- 1. Build in 1936 (originally the Tobacco drying factory)
- 2. Includes 29 buildings x covers approx. 4.2 hectare
- 3. Historic Architecture: Tobacco Bone-Removal
 - x Re-Smoke Processing Zone x Boiler Room x ZhongShan Hall
- 4. Pingtung ✓ P.T. City x Tobacco Museum x Art Museum
 - Tobacco ✓ Surrounding Plan : Business x Cultural and Creative x display
 - Culture Base ✓ Goal: Manage as corporate organization



Economy

Investment Promotion

City-Marketing Events



Youth

Entrepreneurship

Investment Promotion



1. Industrial Condition of the County:

- ✓ More than 1,400 factories
- ✓ Food Processing x Metal Processing Manufacturing
- ✓ Location : Pingtung City x WanDan Township
 x XinYuan Township x NeiPu Township x FengLiao Township

2. Investment One-Stop Window:

- ✓ Established on 7th September, 2015
- ✓ **Specialist** x Case by Case x Specialty
- ✓ Resolves: land acquisition x Business Registration x Labor and Environmental Protection Policies

Year	Matched	Total	Employment
	Count	Investment(mill)	Opportunity
2015	7	388	600
2016	19	16702	2,200
2017	19	79825	2,000
2018	15	6833	1,400

City-Marketing Events

Pingtung Light Festival

- 1. Event Details (since 2017):

 Wan-Nian Creek x Local History x Light Art
- 2. Showcases Multiculture: Installation Art x Light x Music x Technology Interaction
- 3. Partner with **Taiwan Lantern Festival**:
 - ✓ Total of 4.7 kilometers long
 - ✓ Aim Image: A light festival on the river in front of my home
 - ✓ Displayed for 38 days → attracted arppox. 380,000 people (output value approx. 8500 million)





"3-Big Day"
Music Festival

- 1. Meaning: Three Days x Good Life x Spring
- 2. Theme: Retro x Rock x Hipster
- 3. Event Benefit:

Music Festival x vendors → attracts approx. 30,000 visitors (output value approx. 70 mil)



City-Marketing Events

Bluefin Tuna
Cultural Festival

1. Integrate Exhausted Oceanic Resources x Ecological Conservation x Tourism

2. Event Details:

Auction of the First Tuna x DongLiu Seafood Award x Fishery Village Light-Travel and Strolling x Giant Gashapon Gift Machine

3. Goal:

- ✓ Creative Marketing x Local Hotel/Hostel Coupons

 →attracts approx. 205,000 visitors

 (output value approx. 450 million)
- ✓ Traditional Agriculture → Fine Cuisine x Leisure Travel x Cultural Art

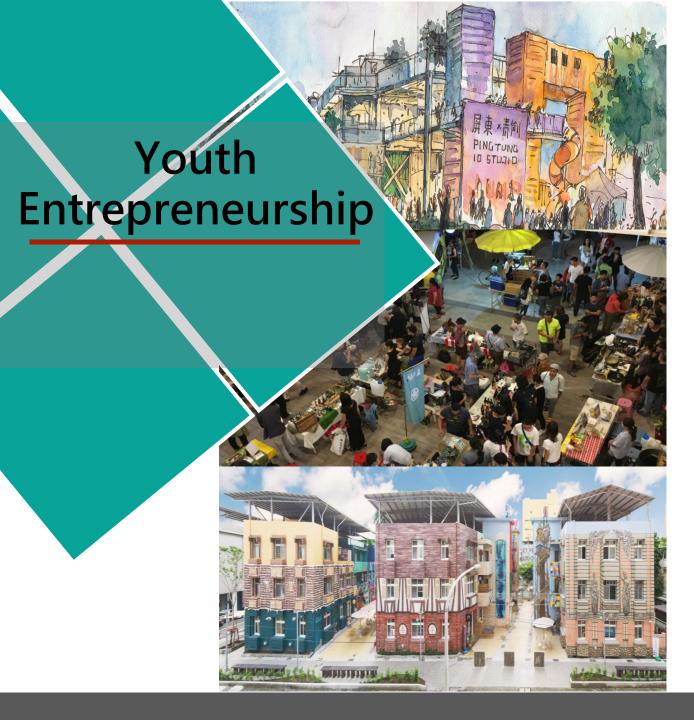






- 1. One of the 4 Major Hot Spring in Taiwan
- 2. Using Colored Lights to Create Different Theme:
 - ✓ 2018 : Purple x Sakura Pink
 - ✓ 2019 : Red x Autumn Orange
- 3. Hot Spring Festival x Hotels x Restaurants x Events
- 4. Event Benefit:
 - ✓ Attracts approx. 300,000 visitors (output value approx. 660 million)
 - ✓ Increase revenue of local business





1. Start-up Courses x Free Advisor

- x Management Case-by-case
- **x** Case Specialists assist with finding problems

2. Creative Youth

First Year : Free Rental

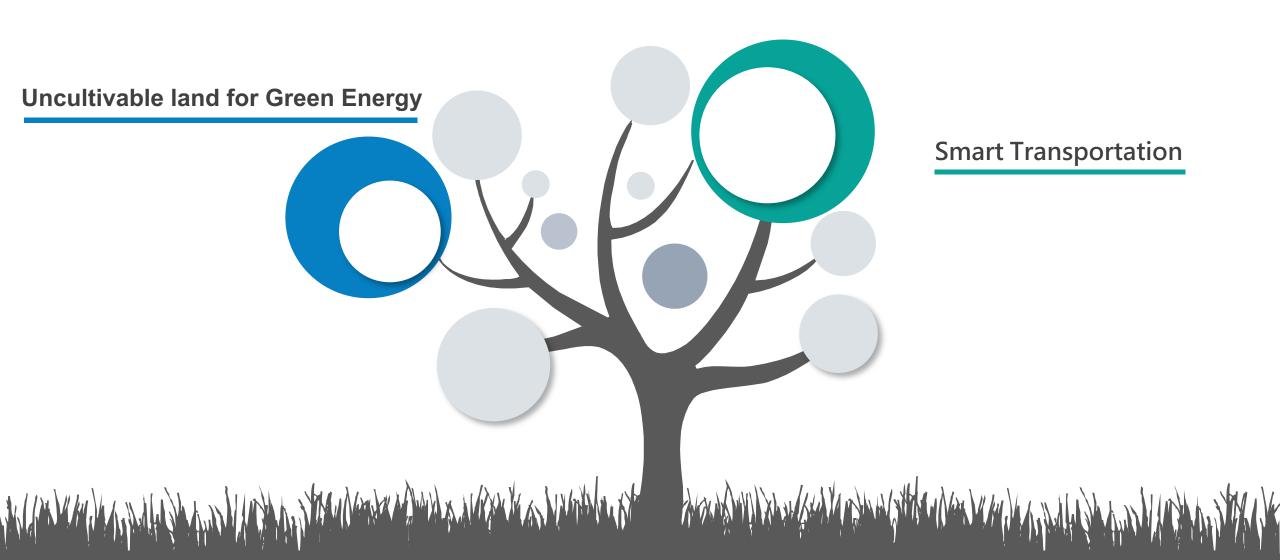
✓ Second Year: 2% of Revenue

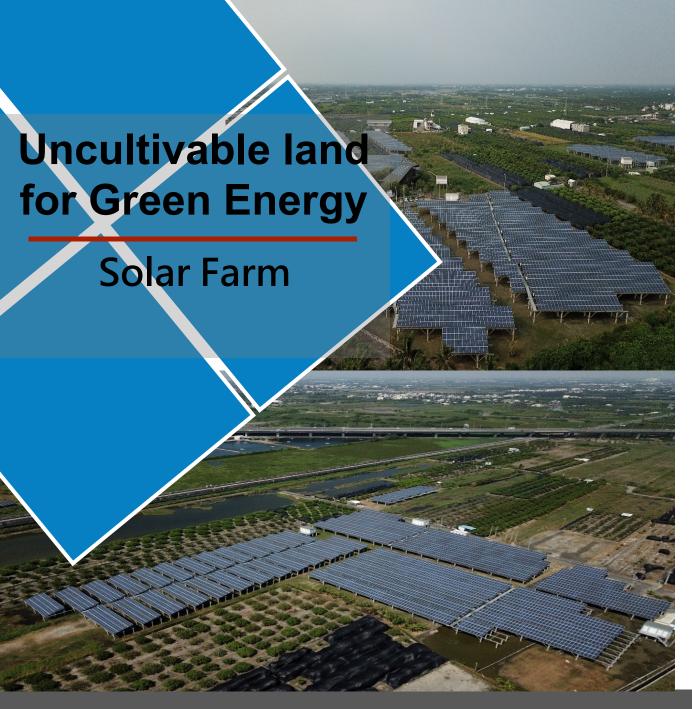
- ✓ Assist youths with ambition to enter the market
- ✓ Currently → 9 shops in business

3. Craftsman Residential District:

- ✓ Reconstruct unoccupied Old Apartment
- ✓ Rental = 1/3 of the surrounding units
- ✓ Youth in Business → stabilize in the market
- ✓ Currently → 32 shops in business

Construction





1. First in the Nation Green Energy:

Stop Extract of Underground water x Land Recuperation x Participation of Residents x Sell to the Taiwan Power

2. Location and Area: LinBien Township x
JiaDong Township x about 43.4 Hectares

3. Benefit:

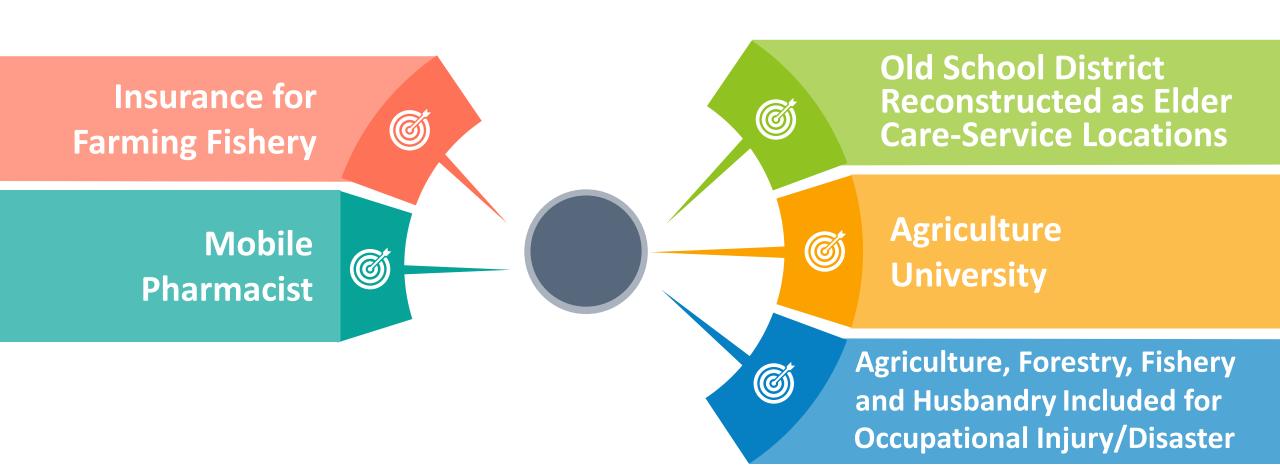
- ✓ Total Power Generated : 23.465MW (Annually : approx 31 million kWh)
- \checkmark Covers 0.7% of energy used in the county
- ✓ Annually decrease 16,000 Tons of carbon dioxide emissions (equivalent to carbon reduction of 1,074 hectares of afforestation)

Smart Transportation

- 1. Smart Parking Center: manages parking in the city
- 2. Implement Smart Magnetic Sensor Technology
 - ✓ Resolves lack of information on parking: Provide real time data
 - ✓ First in the Nation: Covers toll parking x Entire city
- 3. Install digital display for free parking spots
- 4. Drive-Thru Station : Nation Only Smart street-side parking



Pioneer of the Nation Innovated Governance



Old School District Reconstructed as Elder Care-Service Locations



Specialized Location for Elder-Care :
 Old Jiu-Ru Elementary School x Near

National Highway x Easy Transport

- 2. Increase Benefit of Existing Building:
 - ✓ Amenity: Healthy Activity for Eldersx Day-Care Functions
 - ✓ Full-Service : From Young to Oldx Integrate Community Resource
 - Healthy x Subhealthy x Disability
- 3. Child-Care Resource Center x Kids Play Area

Agriculture University



1. Establish in 2015

2. **Application Qualification :**Register Residency in Pingtung County x Over 18 Years Old

3. Features:

- ✓ Academic Units x Industry Team x Indoor Courses x Site Surveys
- ✓ Implement the "Agriculture 2.0" concept (ex. Pest management x Cost analysis)
- ✓ Assembly : Centralize Consensus x Governance Promotion x Provide Agricultural Information

4. Benefit:

- ✓ Train New Forces: 673 People
- Enhance Agricultural Developmentx Increase Management Soft Power
- Build Quality Brand Image of Agricultural Product

Agriculture, Forestry, Fishery and Husbandry Included for Occupational Injury/Disaster



- 1. Farmer Occupational Disaster Insurance (Since 1st Nov 2018):
 - ✓Up to July 2019: 19,029 people Applied
 - ✓ Cases issued O.D.I payment: 20 cases
- 2. Overall Care: Farmer and Fisherman x Injured during work
- 3. Increase Safety Protection:
 Injury Payment x Disability Payment
 x Medical Allowance x Funeral Allowance

Insurance for Farming Fishery



- 1. Insurance based on rainfall data (Since 2017):
 - ✓ P.T. Gov x Council of Agriculture
 x Taiwan Fire and Marine Insurance Co.
 - ✓ Accumulative Rainfall : continously 48 hours x rain level reaches 523 millimeter
 - ✓ Remit site-survey
- 2. **Object:** Fishery-farmers of Donggang, Lingbien, Jiadong, Fengliao
- 3. **Expanded Service Coverage** in 2018 : inland aquaculture area in the county
- 4. **Application count :** 67 people 62.84 Hectare x Insured Amount : Over 95 million
- 5. **Claim amount :** Over NT.47 million (Total of 55 Households)

Mobile Pharmacist



1. Passive → Initiative

- ✓ Assist patients receive medicine
- ✓ **Direct visit to homes**: Edlers x In-Home Care-Taker
- ✓ **Observe Patients**: Living Envir. x Dietary Habits
- ✓ Provides practical advice on home treatment

2. Medicine x Community Care

- ✓ Community Care Center x Culture Health Station x Community Assembly Spot
- ✓ Medicine Advisory x Health-Education Service
- ✓ Assist: Elders x Mobile Disability
 x Township Medical Resources for Minority
- ✓ Number of Mobile Pharmacist : 42 People

One & Only in the Nation

Dementia Park

Elementary After-School Care Extended to 18:00

Indigenous Teaching Materials

Long-Term Care included to Middle School Special Skill Course

1 Dementia 1 Care Area



- 1. Location: ZhuTian Township XiShi Village in P.T.
- 2. Localized Model Community:
 - ✓ Hakka Ethnics x Tough&Strong x Solidarity
 - ✓ Humanistic Care x Community Friendly Protection Zone
- 3. Chengong University Academic Team : Assist with planning friendly community
- 4. Promote Community Friendly Stores and Housingx Assist Community Leveled Educational Trainings
- 5. Future Plan :
 Dementia Day-Care Center x Dementia-Friendly Network
- 6. Goal :
 Bring Elders Outdoor x Aging Friendly City Culture

2 Indigenous Teaching Materials



1. Paiwan Tribe Standardized Textbook (2018):

- ✓ Second largest tribe to the Amis tribe
- ✓ Respect Minority Ethnicity Cultures and language : Cultural Identity x Provoke Interests in Learning
- ✓ Elementary (1st to 6th Grade)
 x Mandarin, Math, Science, English

2. Revolution of Textbooks

- ✓ Indigenous themed materials and elements
- ✓ Digitalized Interacting Materials
- ✓ Pioneer of the Nation x Rare Internationally : domestic and oversea educators and officials visits Pingtung for experience exchange
- ✓ Council of Indigenous Peoples x Education Administration, Ministry of Education x National Academy for Educational Research: Value and Support

After-School Care Extended to 18:00



- 1. Open Courses at all 166 Public Elementary Schools
- 2. Low-Income x Disability x Aborigines : FREE
- 3. Participants of each Semester: 6000 people
 - ✓ Covers 10% of total student body
 - ✓ Students Free of charge : Covers 56% participants
- 4. Benefit: Resolves the commute trouble for the parents x Homework Tutors x Learn Talents
- 5. Annual Investment approx NTD. 23 Million
 County Budget x Central Gov Subsidy x Private Group Labor
- 6. Plan to Collaborate with the Dept. of Labor:Certified Staff Serve at Schoolsx Increase Employment Opportunities

Long-Term Care included to Middle School Special Skill Course



1. Started in 2014 : **242 Courses** × **4543 Students**

2. Long-Term Care Personnel Training:

- ✓ Long-term care service teaching resource manual :
 Assist with Education x Policies x Knowledge
 x Life Exploration x Educational Resources)
- ✓ Establish Long-Term Care Group : Datong x Laiyi
 x Fangliao x Donggang HS x Huazhou Specialize School
- ✓ Open Care-Taker Training Courses: Total 123 Hours
- ✓ Issue Certification: Currently obtained by 45 people

3. Educational Goal:

Aging Friendly x Caring Ethics x Integration of Generations x Lessons on Life

#