REPORT ON COVEC SITE INSPECTION FOR THE PROPOSED INTEGRATED AGRICULTURAL PARK IN KATSINA STATE

1.0 Background

In its efforts to attract and facilitate investment into Katsina State, the Katsina Investment Promotion Agency (KIPA) formally engaged the Nigerian Investment Promotion Commission (NIPC) by presenting a number of investment opportunities available across the State, including the State's flagship projects, as outlined below:

i. Green Economic Zone
ii. Sabke Dam Site
iii. Dabiran Dam Site, and
iv. Ladanawa Goat Breeding Centre

Following this engagement, the NIPC referred the China Overseas Engineering Group (COVEC) to the Katsina State Government for further engagement and exploration of the identified investment opportunities. The COVEC delegation under the NIPC leadership of;

i. Abubakar Yarima - Director Investment NIPC
ii. Ahmad Adamu - Staff
iii. Lobina Kayode - Staff

1.1 Formation of Katsina State Technical Committee On the receipt of information of the NIPC and COVEC visiting Katsina, a cross-functional MDAs' technical committee team was formed as per Appendix 1 attached to this report.

The technical committee after several meeting and exhaustive discussions prepared a presentation and itinerary for visit to various

places including arrangement for conveying the COVEC delegation from Kano to Katsina and hotel accommodation arrangement.

2.0 Initiation Meeting with COVEC

Upon arrival of NIPC and COVEC teams a meeting was convene for welcome pared followed by a presentation by the Katsina state and COVEC team. The Katsina state team presented comprehensive investment opportunities to the visiting team as per attached Appendix 2. and cross section of the proceedings with pictures as evidence for the meeting:







Following intensive interaction between the two parties, the meeting adopted the itinerary presented by Katsina state team for a visit to various projects presented as per attached in Appendix 2

3.0 Visit to the Respective Project Site

Under the leadership of Director General Katsina State Investment Promotion Agency (KIPA), the joint team visited various project sites. The project sites visited are:

i. Green Economic Zone (GEZ), along Jibia Road
ii. Kusa Dam, Jibia Local Government Area
iii. Dawan Allah Forestry Reserve of almost 2,500 hectares
iv. Safke Dam, Mai'adua
v. Dogon Hawa Water Chamber
vi. Mai'adua International Market
vii. Daberin Dam, Daura Local Government
viii. Dan-Nakola, Daura Local Government Area
ix. Durbi Takusheyi Heritage Site, Mashi Local Government Area
x. Ladanawa Goat Farm, Rimi Local Government

4.0 Visit to His Excellency, Governor of Katsina State

The conclusion of the visit of the prospective project sites pave the way for a courtesy visit to His Excellency Malam Umaru DikkoR Adda, Ph.D CON. The leader of COVEC team Dong Guoping and Abubakar Yarima informed the Katsina state Governor of the objective of the visit and

the project sites. Dong Guoping used the opportunity to informed the Governor of their intent to invest in four project sites and are:

v. Green Economic Zone
vi. Sabke Dam Site
vii. Dabiran Dam Site, and
viii. Ladanawa Goat Breeding Centre

5.0 Follow up Meeting with COVEC and NIPC

Further to the COVEC visit, the Investment Promotion Agency wrote a memo to His Excellency requesting for the formalization of a steering committee and a follow up meeting in Abuja at NIPC as per evidence attached as Appendix 3.

5.1 Meeting with COVEC and NIPC

Following the site inspection and the subsequent courtesy visit to His Excellency, the Governor of Katsina State, a follow-up meeting was held with representatives of the China Overseas Engineering Group (COVEC) and the Nigerian Investment Promotion Commission (NIPC) to deliberate on the outcome of the visit and the next steps towards the proposed investment in Katsina State.

The meeting provided an opportunity for the Katsina State Government, through the Katsina Investment Promotion Agency (KIPA), to further engage with COVEC on the four priority project sites identified during the visit, namely:

i. Green Economic Zone (GEZ);

ii. Safke Dam Site;

iii. Daberin Dam Site; and

iv. Ladanawa Goat Breeding Centre.

COVEC agreed to undertake the following projects:

i. Commercial and Trade Centre
ii. Breeding R&D Centre
iii. Agricultural Demonstration Base
iv. Green House Base
v. Livestock Husbandry Base

Prepared for:

Katsina State Government / Katsina Investment Promotion Agency (KIPA)

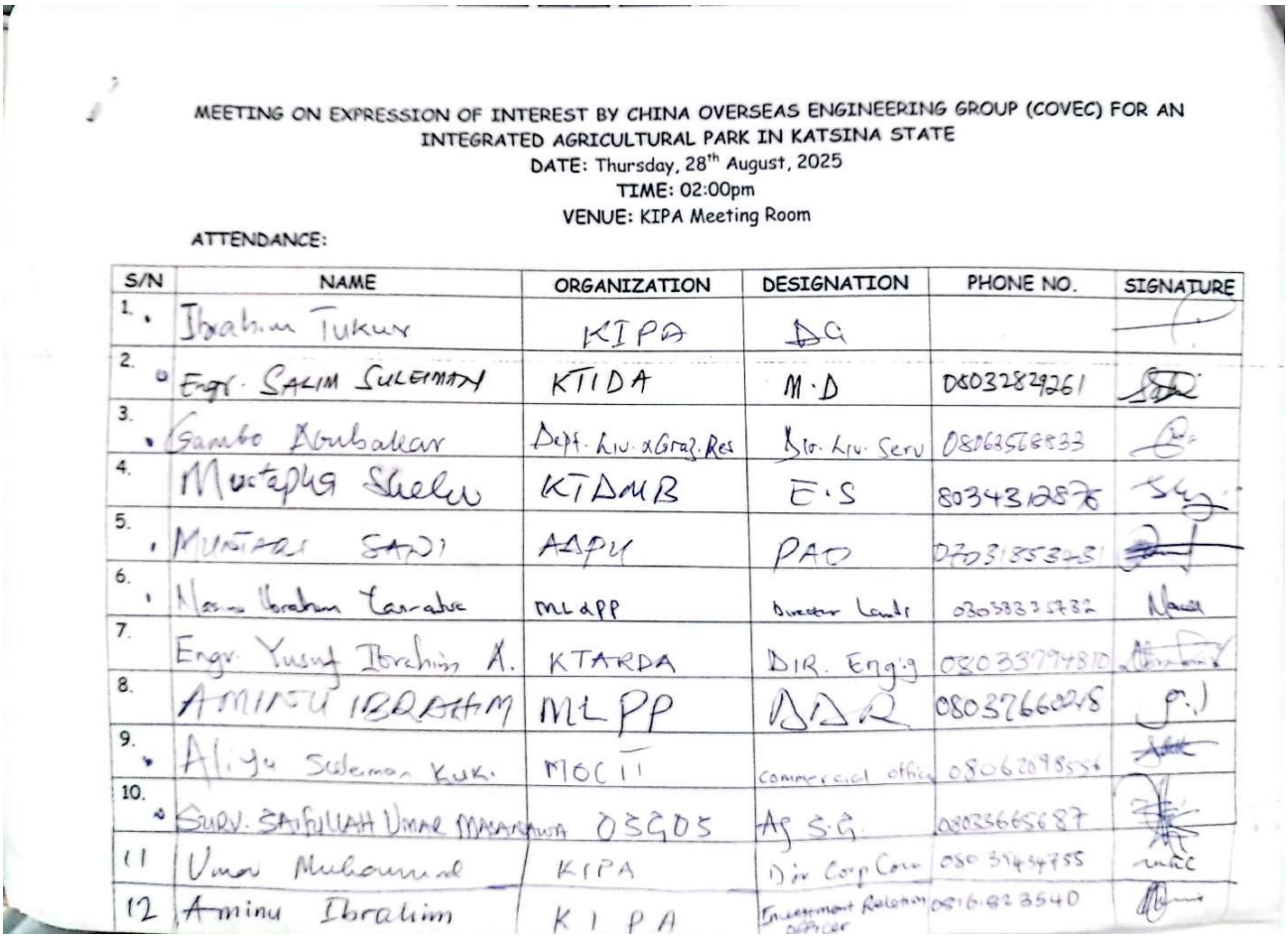
Subject:

COVEC Site Inspection for the Proposed Integrated Agricultural Park

Location:

Katsina State, Nigeria

Appendix I



MEETING ON EXPRESSION OF INTEREST BY CHINA OVERSEAS ENGINEERING GROUP (COVEC) FOR AN INTEGRATED AGRICULTURAL PARK IN KATSINA STATE

DATE: Thursday, 28th August, 2025

TIME: 02:00pm

VENUE: KIPA Meeting Room

ATTENDANCE:

S/N	NAME	ORGANIZATION	DESIGNATION	PHONE NO.	SIGNATURE
1.	Ibrahim Tukur	KIPA	DG		
2.	Engr. Salim Suleiman	KTIDA	M.D	08032829261	
3.	Gambo Abubakar	Dept. Liv. & Graz. Res	Dir. Liv. Serv	08062568833	
4.	Mustapha Shehu	KTDMB	E.S	80343128	
5.	Mustapha Sani	AAPU	PAO	07031853	
6.	Hassan Ibrahim Tanimu	MLPP	Director Lands	08038327782	
7.	Engr. Yusuf Ibrahim A.	KTARDA	DIR. Engg	08033794810	
8.	Aminu Ibrahim	MLPP	DDR	08037660218	
9.	Aliyu Sulaiman Kuki	MOCIT	commercial offic	08063098556	
10.	Surv. Saifullah Umar	05605	Ag S.G.	08023665687	
11	Umar Muhammad	KIPA	Dir Corp Com	08037454755	
12	Aminu Ibrahim	KIPA	Engagement Relation officer	08161823540	

Appendix 2

Figure 1: Itinerary

ITINERY FOR HOSTING OF CHINA OVERSEAS ENGINEERING GROUP (COVEC) FOR THE PROPOSED INTEGRATED AGRICULTURAL PARK IN KATSINA STATE

Itinery

S/NO	ACTIVITY/ PLACE OF VISIT	DATE	TIME
1	Conveyance of visitors from KN-KT	Sat 30th August	7:am- 1:00am
2	Lunch/Prayers	Sat 30th August	1:pm-2:00pm
3	Meeting with Chinese officials, COVEC state officials & NIPC	Sat 30th August	2:PM- 6:00PM
4	Visit to GEZ & Danchaba/ Dawan Allah	Sun 31st August	9:pm-6:pm
5	Visit to Danmannau/Durbi takusheyi	Sun 31st August	9:am - 11:00am
6	Visit to Sabke dam/ladanawa/Dan Alhaji	Sun 31st August	12noon- 2:00pm
7	Visit to KALTIDEP/Daberam	Sun 31st August	3pm - 5:00pm
8	Back Home /Departure	Sun 31st August	5:00pm
9	Visit to Gangara	Mon 1st August	8:am - 12noon
10	Meeting with Expatriates/ NIPC	Mon 1st August	1pm - 2:00pm

Figure 2: Kusa Dam, Jibia LGA

Photograph showing the delegation assessing the dam and surrounding water resources.



Figure 3: Dawan Allah Forestry Reserve

Photograph documenting the inspection of the forestry reserve.



Figure 4: Safke Dam, Mai'adua

Photograph showing the site and facilities inspected by the delegation.







Figure 5: Mai'adua International Market, Ma'adua



Ali
file

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KT/IPA/COS/003/VOL.II/227

GUVERNMENT HOUSE KATSINA
OFFICE OF THE CHIEF OF STAFF
RECEIVED
DATE 10/9/25
SIGN

9th Sept., 2025

The Chief of Staff,
General Muhammadu Buhari House,
State Road, Modoji Katsina,
Katsina State.

REQUEST FOR APPROVAL OF COMMITTEE COMPOSITION AND TERMS OF REFERENCE FOR KATSINA-COVEC INVESTMENT PARTNERSHIP

Your kind attention is respectfully drawn to the above subject matter.

2. His Excellency may wish to recall the recent visit of **China Overseas Engineering Group (COVEC)**, a delegation of Chinese investors, to Katsina State from **30th August – 1st September, 2025.**

3. During the visit, COVEC expressed interest in undertaking a number of strategic investments in the State, as summarized below:

i. Sabke Dam - 2,500 Ha for Maize farming for livestock feed production
ii. Dabiram Dam - 380 Ha for complete fisheries value chain
iii. Leather processing factory
iv. Agricultural Research Institute for Goat and Cattle breeding, as well as partnership on the Goat Breeding Centre at Rimi.
v. Solar power products assembly plant
vi. Agricultural Commodities Commercial Centre at Mai'adua
vii. PPP with Katsina State to develop the Special Green Economic Zone
Total land requirement of 4,000 Ha and an initial investment of $150m announced to scale up to $750ml.

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4. To fast-track the realization of these opportunities, the Committee that received the investors has submitted a report (enclosed) and made the following recommendations for His Excellency's kind consideration and approval:

   i. Issuance of a **letter of appreciation to NIPC**, alongside a **personal follow-up visit by His Excellency to NIPC**. A draft appreciation letter for the Governor's signature is attached.

   ii. Constitution of a **Steering Committee**, to be chaired by Katsina State and co-chaired by NIPC, to drive the implementation process. A proposed composition of the committee and draft Terms of Reference are enclosed herewith.

   iii. **A meeting between His Excellency the Governor and the President of COVEC**, who is scheduled to visit Nigeria on 17th - 19th September, 2025.

5. In view of the foregoing, His Excellency is kindly invited to:

   i. **Note** the content of this memorandum; and

   ii. **Approve** the recommendations in paragraph 4 (i-iii) above, or provide further directives as deemed appropriate.

   iii. Approve the breakdown of the cost estimate for travelling to Abuja for meeting with NIPC and COVEC totaling One Million Seven Hundred and Eighty Thousand Naira only (N1,780,000.00). The vote of charge is 0222002200100/1322000097 (Investment Promotion Programmes) with a positive balance of N 22,402,000 as approved in the 2025 appropriation law.

6. Please accept the assurances of my highest regard.

Ibrahim Tukur Jikamshi
Director General

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The Executive Secretary/CEO,
Nigerian Investment Promotion Commission (NIPC),
Abuja, Nigeria.

APPRECIATION AND NOTIFICATION OF JOINT IMPLEMENTATION COMMITTEE FOR KATSINA-COVEC STRATEGIC INVESTMENT PARTNERSHIP

On behalf of the Government and people of Katsina State, I wish to express our sincere appreciation to the Nigerian Investment Promotion Commission (NIPC) for the steadfast support extended towards the actualization of the **Katsina-COVEC Strategic Investment Partnership**.

Your Commission's guidance is in line with national investment policies and incentives has been invaluable in building investor confidence and strengthening Katsina State's position as an emerging agricultural and industrial hub.

As a demonstration of our high-level commitment, the Government of Katsina State has approved the establishment of a **Joint Implementation Committee**, to be co-chaired by the State Government and NIPC with COVEC as the main Investor to guarantee fast-tracking of the implementation.

The Committee has been mandated to oversee the phased rollout of the projects, as encapsulated in the draft terms of reference.

It would be my pleasure with NIPC leadership to jointly inaugurate the committee as soon as possible.

We look forward to continued collaboration with NIPC in monitoring and facilitating this partnership, which we strongly believe will deliver significant socio-economic benefits not only to Katsina State but also to Nigeria at large.

Please accept the assurances of my highest esteem.

Yours sincerely,

Malam Dikko Umaru Radda Ph.D, CON
The Executive Governor

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EXECUTIVE SUMMARY

REPORT ON THE HOSTING OF CHINA OVERSEAS ENGINEERING GROUP (COVEC) FOR THE PROPOSED INVESTMENT IN KATSINA STATE

DATE OF VISIT: 30TH AUGUST - 1ST SEPTEMBER 2025

1. **Background & Purpose**
   i. Following NIPC's introduction of **COVEC's Expression of Investment Interest (EoII)**, Katsina State hosted **22 Chinese investors** and **4 NIPC officials** for a three-day exploratory investment mission.
   ii. The visit aimed to deliberate on COVEC's proposal for an **Integrated Agricultural Park** and assess Katsina's readiness to provide land, infrastructure, water resources, and enabling incentives.
   iii. The mission aligns with His Excellency **Governor Dikko Umar Radda's vision** of attracting large-scale FDI, boosting food security, and driving industrial transformation in the State.
2. **COVEC's key requirements included:**
   i. **10,000 hectares** of irrigable land.
   ii. Reliable water sources.
   iii. Basic power infrastructure.
   iv. Incentives and tax concessions.
   v. Security guarantees.
3. **Stakeholder Coordination**
   i. A **multi-agency committee** led by KIPA coordinated the visit with representation from Lands, Commerce, Irrigation, Livestock, Environment, KTARDA, and other Agencies.
   ii. Two pre-visit meetings (28th-29th August) prepared the itinerary, site options, and technical presentations.
4. **Engagements & Site Assessments**
   i. **Interactive Session (30th Aug):** Government and COVEC exchanged presentations on Katsina's agricultural potential and COVEC's investment structure.
   ii. **Site Inspections:** Delegates toured strategic locations including Sabke Dam, Daberam Dam, Ladanawa Goat Centre, Mai'adua Market, GEZ Industrial Layout, and Kusa Dam as well as Takusheyi site.

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5. **Key Findings:**
   i. Sabke Dam - 2,500Ha is suitable for Maize farming livestock feed production
   ii. Dabiram Dam - 380 Ha for complete fisheries value chain
   iii. Leather processing factory
   iv. Agricultural Research Institute for Goat and Cattle breeding, as well as partnership on the Goat Breeding Centre at Ladanawa.
   v. Solar power products assembly plant, site to be provided
   vi. Agricultural Commodities Commercial Centre at Mai'adua
   vii. PPP with Katsina State to develop the Special Green Economic Zone Total land requirement of 4,000 Ha and an initial investment of $150m announced to scale up to $750ml.

6. **High-Level Meetings**
   i. **Chief of Staff:** Urged COVEC to view Katsina as a long-term partner, stressing untapped opportunities.
   ii. **Governor's Audience (31st Aug):**
      a. Governor welcomed the investors, reaffirmed government's support, and described the mission as a "game-changer."
      b. COVEC presented a **USD 150 million multi-sectoral investment portfolio**, covering maize, fisheries, livestock, solar, agro-processing, and Green Economic Zone development.
      c. State committed to facilitation through partnership policy incentives, infrastructure, and security.

7. **Outcomes & Proposed Investments**
   i. **Agreed priority areas:**
      a. Green Economic Zone.
      b. 2,500 ha maize cultivation (Sabke).
      c. 380 ha fisheries (Daberam).
      d. Leather processing unit.
      e. Agricultural institute (goat & cattle breeding).
      f. Expansion of Ladanawa Goat breeding Centre.
      g. Solar power product plant.
      h. Commodity hub at Mai'adua.

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ii. Portfolio value: **USD 150 million**, with potential for expansion to $750ml.

8. **Recommendations**
   i. **Formalization:** Request COVEC to submit a binding **Expression of Interest (EoI).**
   ii. **Federal Engagement:** Governor to lead a follow-up visit to **NIPC** for institutional collaboration.
   iii. **International Mission:** Organize a **Governor-led delegation to China** for final technical and investment discussions.
   iv. **Coordination:** Strengthen the multi-agency committee as the central platform for follow-up, negotiations, and implementation.

9. **Conclusion**
   i. The exploratory mission was **highly successful**, strengthening investor confidence and laying the foundation for a transformative partnership.
   ii. If implemented effectively, the COVEC projects will position Katsina as a **regional agro-industrial hub**, generate thousands of jobs, enhance food security, and accelerate sustainable economic growth.

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TERMS OF REFERENCE FOR - KATSINA-COVEC INVESTMENT JOINT IMPLEMENTATION COMMITTEE (KCJIC)

Mandates:-

To oversee, coordinate, and facilitate the successful implementation of the Katsina-COVEC Strategic Investment Partnership in line with state and federal priorities.

Core Functions (Consolidated):

i. **Governance & Oversight:** Provide strategic direction, approve key policies, ensure transparency, and report regularly to the Governor.

ii. **Legal & Policy Compliance:** Review MoUs and contracts; ensure alignment with federal/state investment laws and safeguard state interests.

iii. **Land & Community Affairs:** Secure and gazette land allocations, manage resettlement/compensation where necessary, and maintain harmonious relations with host communities.

iv. Develop PPP workable framework where applicable.

v. **Technical & Infrastructure Delivery:** Oversee feasibility studies, designs, and construction of agricultural, energy, and processing facilities to international standards.

vi. **Finance & Investment:** Develop financing structures, liaise with local and international financial institutions, and ensure accountability in resource utilization.

vii. **Skills Development & Employment:** Coordinate training, apprenticeship, and youth empowerment programmes to build local capacity and transfer technical know-how.

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viii. **Business Development & Investment Promotion:** Facilitate private sector participation, create market linkages, and promote exports from Katsina.

ix. **Sustainability & CSR:** Enforce environmental safeguards, monitor social impact, and design corporate social responsibility initiatives for communities.

x. **Monitoring & Evaluation:** Track progress against timelines, measure impact, and provide independent assessment to government and stakeholders.

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Appendix – 3

Presentation Paper by COVEC



Contents

1. Project Analysis

2. Target Positioning

3. Industrial Planning

4. Cooperation Model




01
Project
Analysis

Searching for the "Katsina Location" on Nigeria's Map?

"Katsina State is located in northern Nigeria, bordering the Niger frontier. It adjoins Zamfara, Kano, and Jigawa states within Nigeria. No longer a remote region, it has become a **core area** and a **pivotal hub**, serving a population of tens of millions.



A More Open Katsina

Leveraging its geographical advantage bordering Niger to build an open regional hub city in the north

A More Inonovative Katsina

High quality development of breeding techniques

Renewing urban momentum to drive industrial transformation and upgrading

A More Dynamic Katsina

Platform+Headquarter economic development opportunities

Embarking on a new journey of urban functional transformaiton

项目机遇
Project Strategy

Expanding openness to the outside world and deepening the new oppotunities presented by "vertical and horizontal development

As the northern bridgehead of Nigeria, Katsina should make new strides



- **Northern Bridgehead**: Katsina State is an important agricultural and historic region in northern Nigeria, serving as a key window into the culture and economy of the wider North.

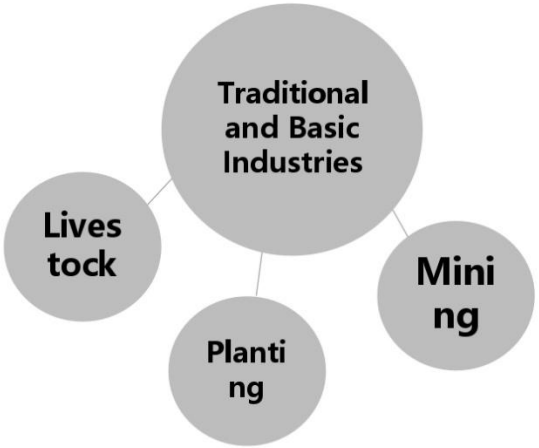
- **Strategic Significance**

- **Economy:** A major production base for agriculture and livestock. Its contiguity with neighboring states and Niger facilitates cross-border movement and trade in agri-products
- **Transport:** Multiple federal highways traverse Katsina, linking Nigeria's interior with Niger and positioning the state as a critical node in the regional network.
- **Security**: As a border state, Katsina plays a pivotal role in Nigeria's frontier security governance.

Project Opportunity

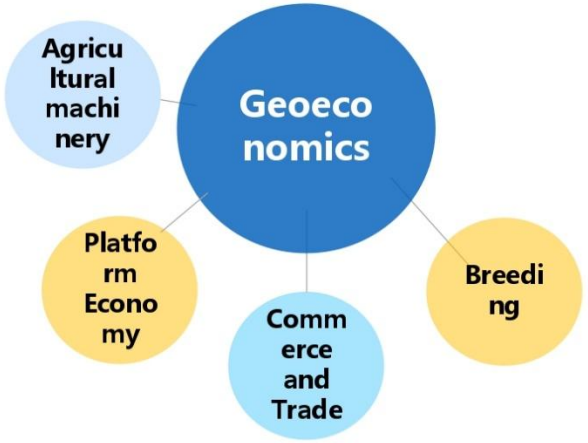
Seize the upgrading opportunity to develop advanced industries and drive urban transformation.

Past Development Industries



Transform ing Upgrading

Present Development Industries





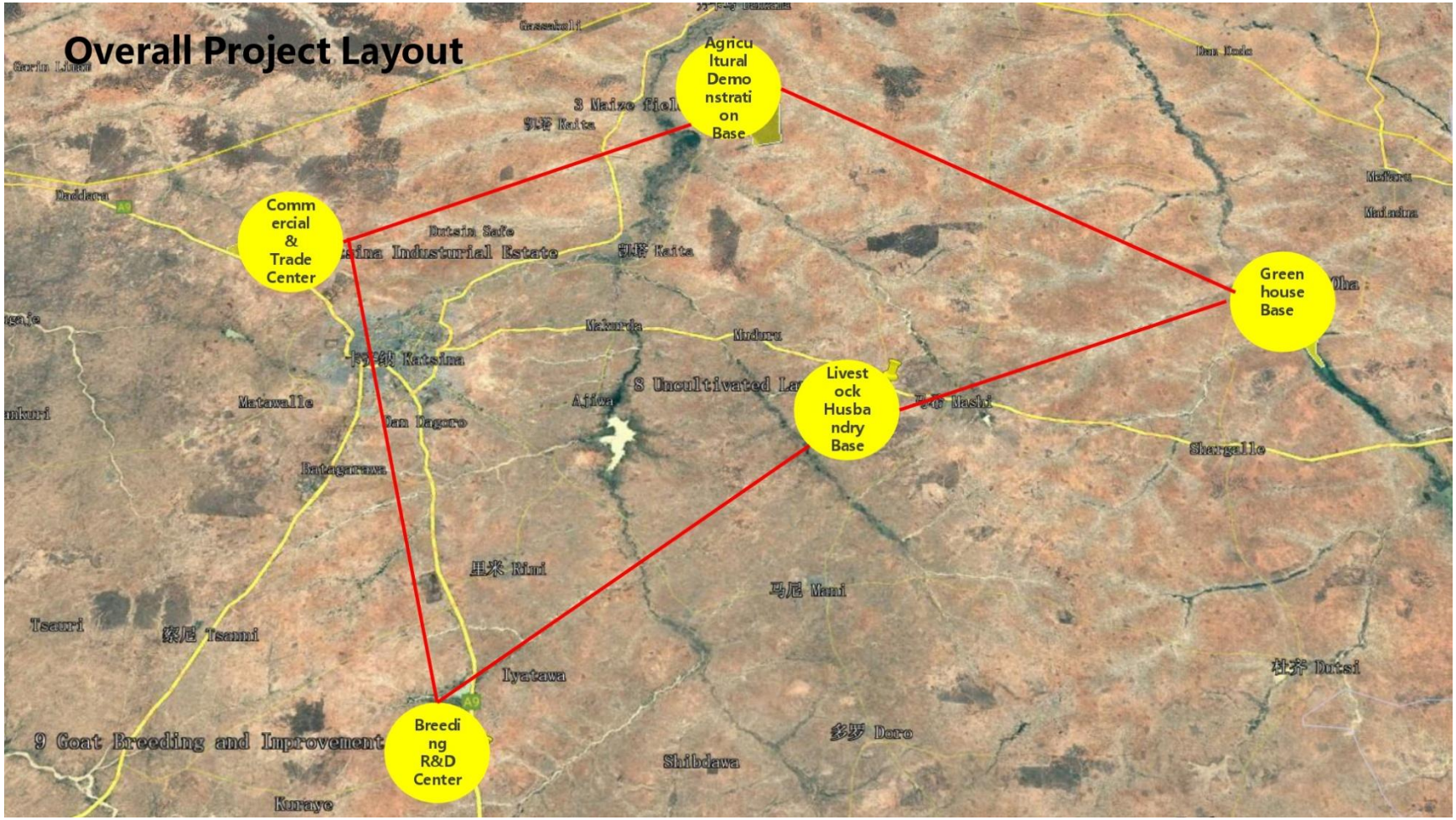






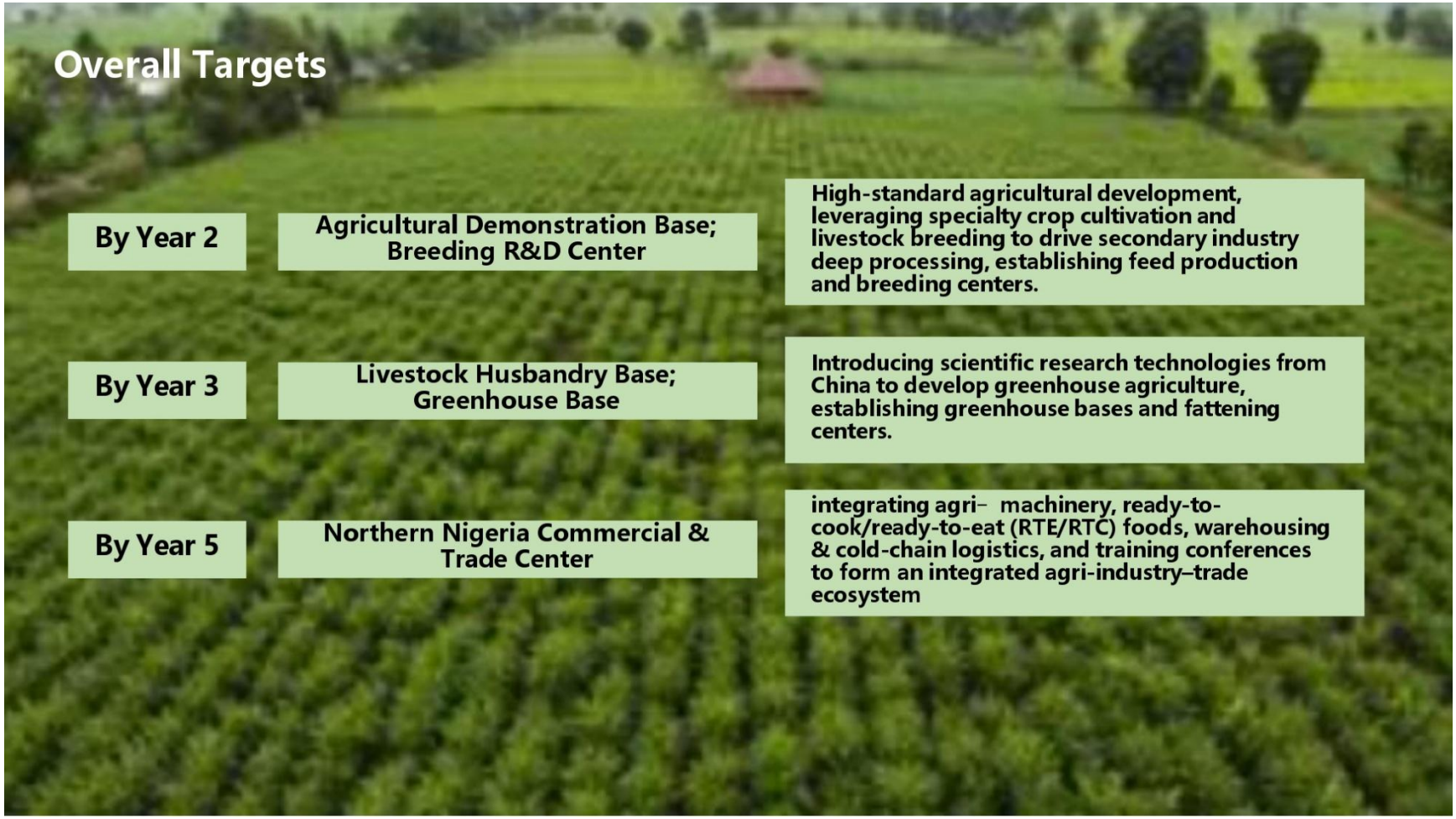

02
Positioning
& Objectives


Positioning & Objectives
Northern Nigeria’ s No. 1 Integrated Agri- Industry & Trade Demonstration Zone
Build on the existing agricultural base and quality-driven development to create a high-standard farmland system embedded with value-chain linkages, serving as a flagship agri-industry–trade hub for northern Nigeria.
Commercial & Trade Center
Agricultural Demonstration Base
Greenhouse Base
Livestock Husbandry Base
Breeding R&D Center

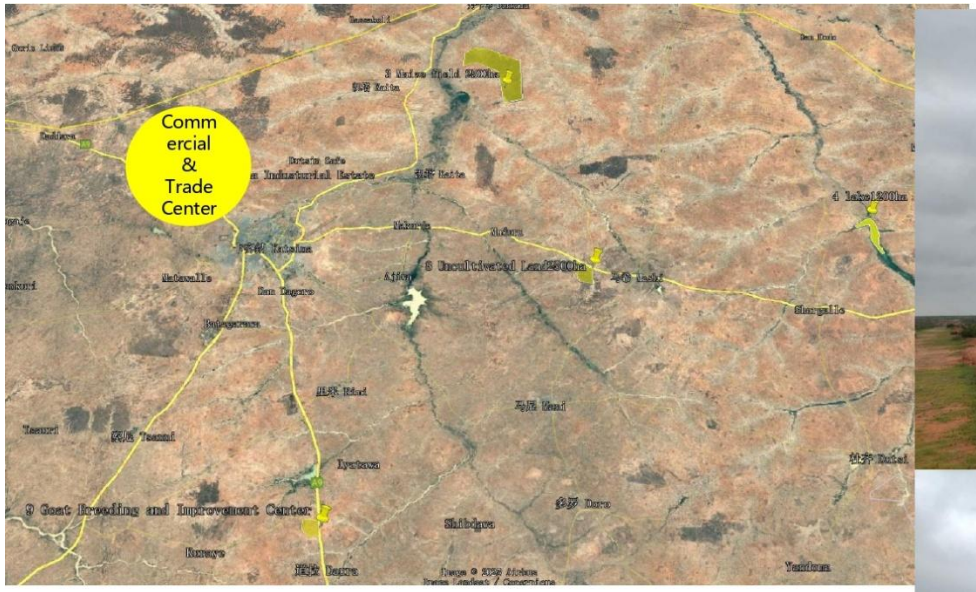

Overall Project Layout
Agricu
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Demo
nstrati
on
Base
Comm
ercial
&
Trade
Center
Green
house
Base
Livest
ock
Husba
ndry
Base
Breedi
ng
R&D
Center
Dutsin Safe
Katsina
Matawalle
Batagarawa
Rini
Mani
Tsaurí
Tsanni
Iyatawa
Shibdawa
Kurayo
Dutsi
Doro
Shargalle
Makurdi
Mndura
Ajiwa
Daddara
Maiadua

Functional System — "3 Bases + 2 Centers"




Overall Targets
By Year 2
Agricultural Demonstration Base; Breeding R&D Center
High-standard agricultural development, leveraging specialty crop cultivation and livestock breeding to drive secondary industry deep processing, establishing feed production and breeding centers.
By Year 3
Livestock Husbandry Base; Greenhouse Base
Introducing scientific research technologies from China to develop greenhouse agriculture, establishing greenhouse bases and fattening centers.
By Year 5
Northern Nigeria Commercial & Trade Center
integrating agri- machinery, ready-to-cook/ready-to-eat (RTE/RTC) foods, warehousing & cold-chain logistics, and training conferences to form an integrated agri-industry–trade ecosystem


03
Industrial
Planning







Commercial & Trade Center (800ha)

商贸中心总体规划、分期建议



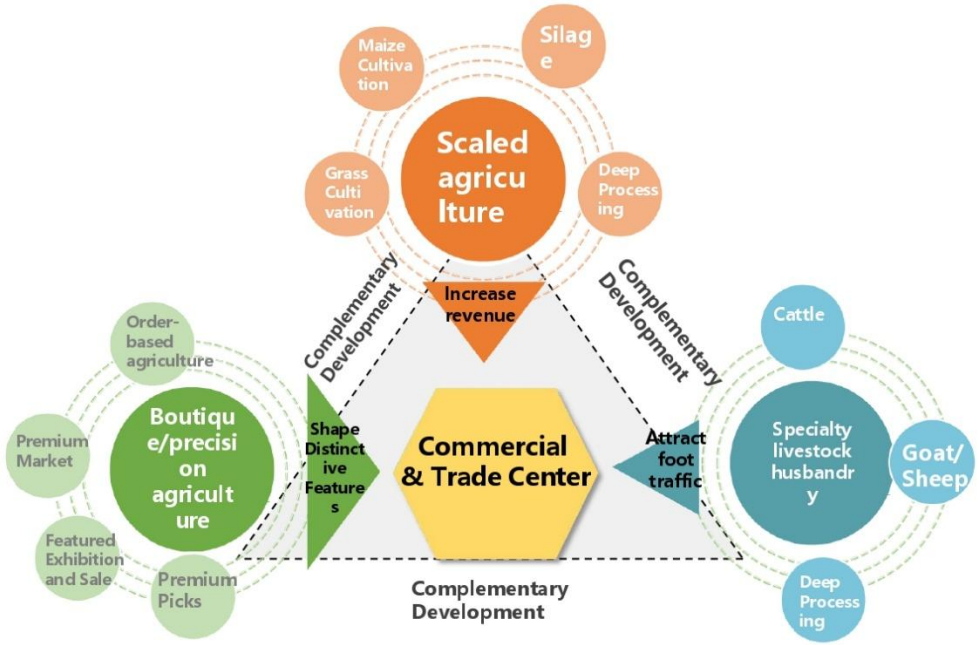
Commercial & Trade Center

Cluster- Building Principles

- align with national strategy
- implement superior policies
- leverage local resource advantages
- meet target market' s demand
- optimize agricultural industry structure

"Ternary" Cluster Model

a park-as- "pastoral living room," led by green/organic agriculture, integrating scale farming with specialty husbandry to form a ternary industrial system.



Industrail Planning

Agricultural Machinery Assembly Factory

Features: Importing components from China, assembling locally in this state to build a regional brand, and distributing nationwide.






Industrial Planning
Digital Information Center
Features:
This agricultural information hub centers on digital agriculture to achieve supply chain digitalization upgrades, extend the agricultural product industry chain downstream, and elevate the value chain toward mid-to-high-end segments. Key construction components include three functional clusters: Digital Information Center, Central Kitchen, and Logistics Center. These facilities integrate digital exhibition, e-commerce trading, fruit and vegetable sorting, smart warehousing, and transaction distribution capabilities.

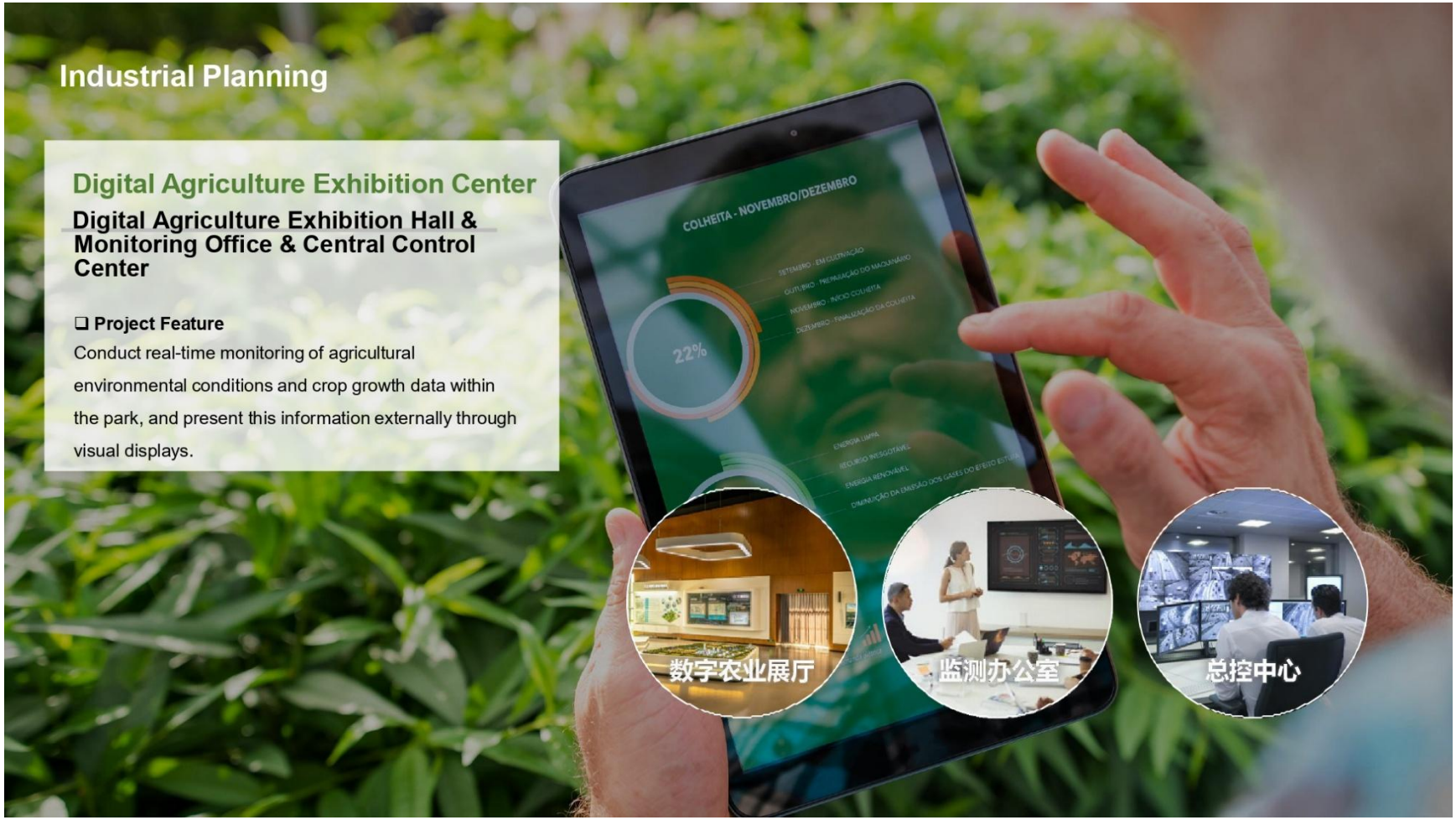
Industrial Planning

Digital Agriculture Exhibition Center

Digital Agriculture Exhibition Hall & Monitoring Office & Central Control Center

❑ **Project Feature**

Conduct real-time monitoring of agricultural environmental conditions and crop growth data within the park, and present this information externally through visual displays.



Industrial Planning

Immersive Experience Hall

E-commerce Live Streaming Studio & Product Selection Room & Sample Showroom

❑ **Project Feature**

Expand traditional office facilities to include supporting infrastructure for agricultural e-commerce livestreaming, such as multi-theme agricultural product livestreaming studios, product selection discussion rooms, and sample display cabinets.







Industrial Planning

Central Kitchen

Preparation Room & Distribution Kitchen & Central Dining Hall

❑ **Project Feature**

Featuring a spacious preparation area, the entire process—from procurement and ingredient selection to cutting and seasoning—is streamlined from pre-prepared semi-finished goods to the dining table.


Preparation Room



Distribution Kitchen


Central Dining Hall

Industrial Planning



Logistics & Warehouse

Nearest Warehouse, Agricultural Product Preservation Boxes

❑ **Project Feature**

Suppliers establish warehouses near their production sites and deliver goods directly to nearby warehouses. This approach enables centralized and scaled logistics operations, reduces logistics costs for both parties, enhances emergency order fulfillment capabilities, and achieves mutual benefit.

Industrial Planning

Sorting Center

Fruit and Vegetable Sorting

❑ **Project Feature**

Intelligent recognition of fruit and vegetable categories, grading selection, automated sorting, and digital warehousing.


Fruit Sorting Center


Vegetable Sorting Center

Industrial Planning

Distribution Trading Center

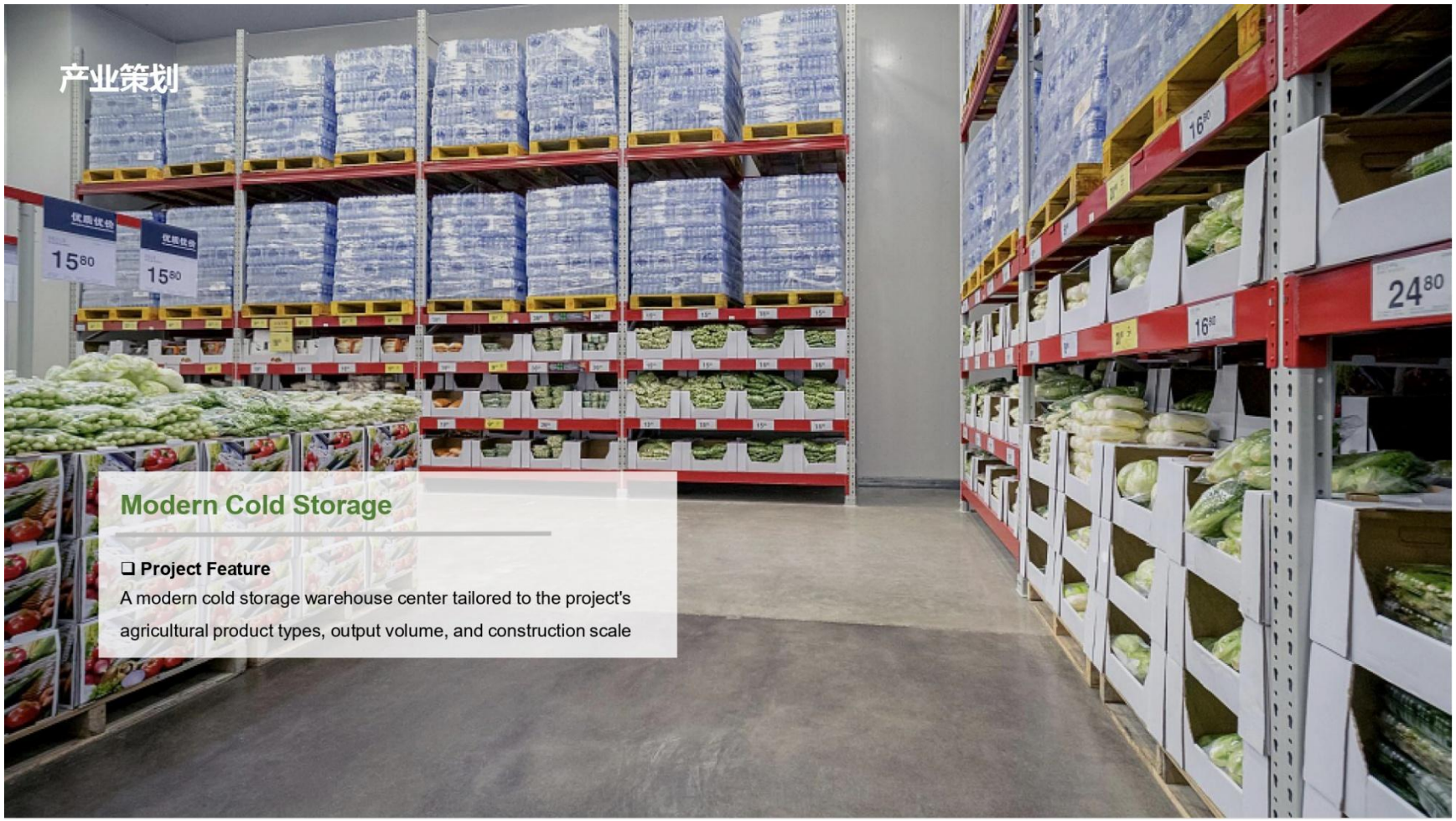
❑ **Project Feature**

Based on the characteristics of localized agricultural products, establish an intelligent, standardized integrated center for distribution, transportation, and trading, implementing digital and intelligent management before products enter the distribution chain.








产业策划
Modern Cold Storage
❑ Project Feature
A modern cold storage warehouse center tailored to the project's agricultural product types, output volume, and construction scale

Primary Functions of the Commercial Center











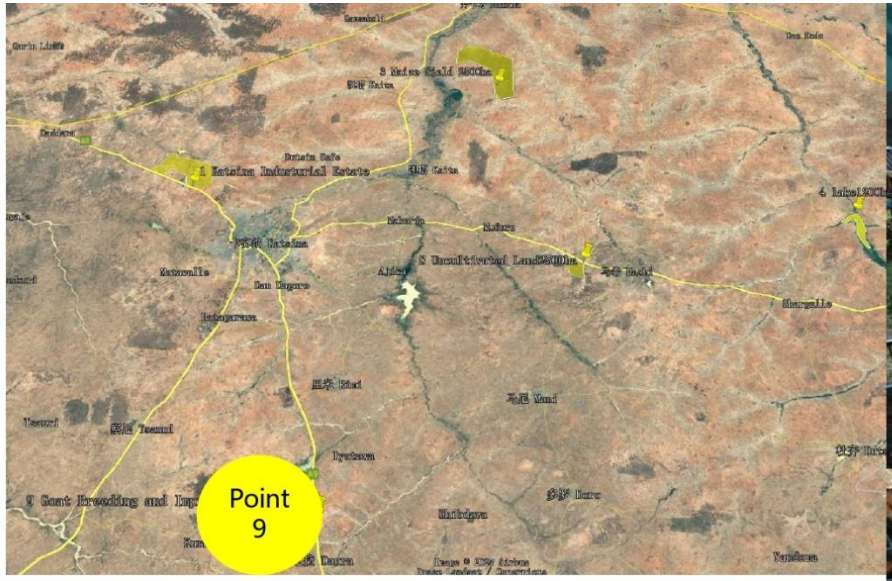




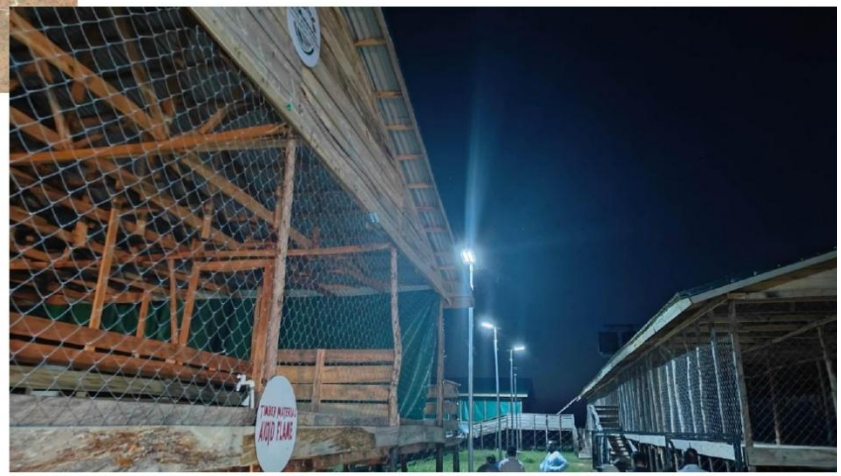





Industrial Planning
Digital displays showcase modern agriculture, smart agriculture, and field agriculture.
Modern Agriculture
Smart Agriculture
Precision Agriculture
Cultivation Traceability
Smart Monitoring
分拣环节追溯
Traceability in Warehousing
Traceability in the Logistics Process
Consumer Reinspection Traceability



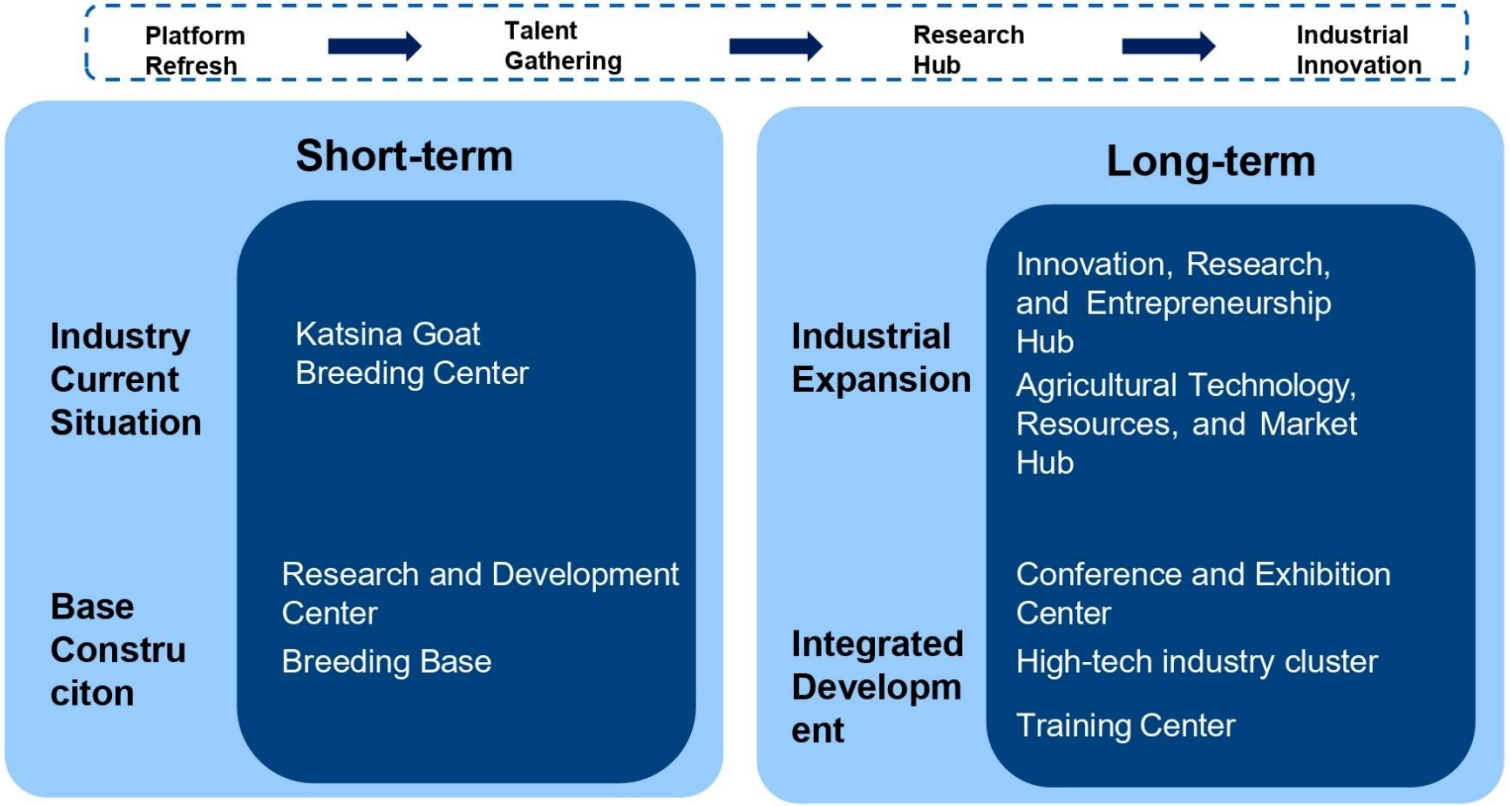




Breeding Research and Development Center

Industrial Planning

Research-Driven Model for Integrated Talents-Urban-Industrial Development



Industrial Planning

Modern Greenhouse

Nursery Center & R&D Center & Research & Study Center

❑ **Project Feature**

Construct modern greenhouse facilities dedicated to vegetable and fruit seedling cultivation, science education and research programs, and serving as an experimental base for developing aquaponics systems—including seedlings, fish and shrimp, vegetables and fruits, and feed production.







Industrial Planning



Industrial Planning

Developing new agricultural equipment through information technology and smart devices

Demonstration Base for Technological and Informatized Agriculture:
Advanced Cultivation - Utilizing cutting-edge planting techniques, standardized management, automated fertilization, automated maintenance, automated cleaning systems, and automated product sorting to enhance agricultural industry efficiency.







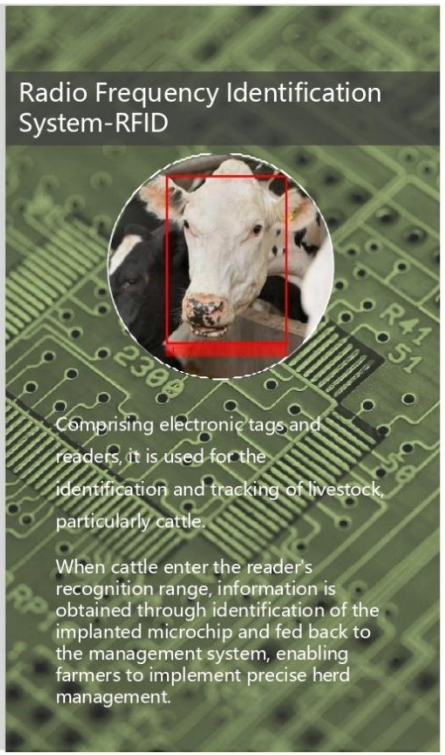


Industrial Planning

Leveraging resources from COVEC and the China Talent Platform, we empower agricultural production in Katsina and lead agricultural research in the northern region.

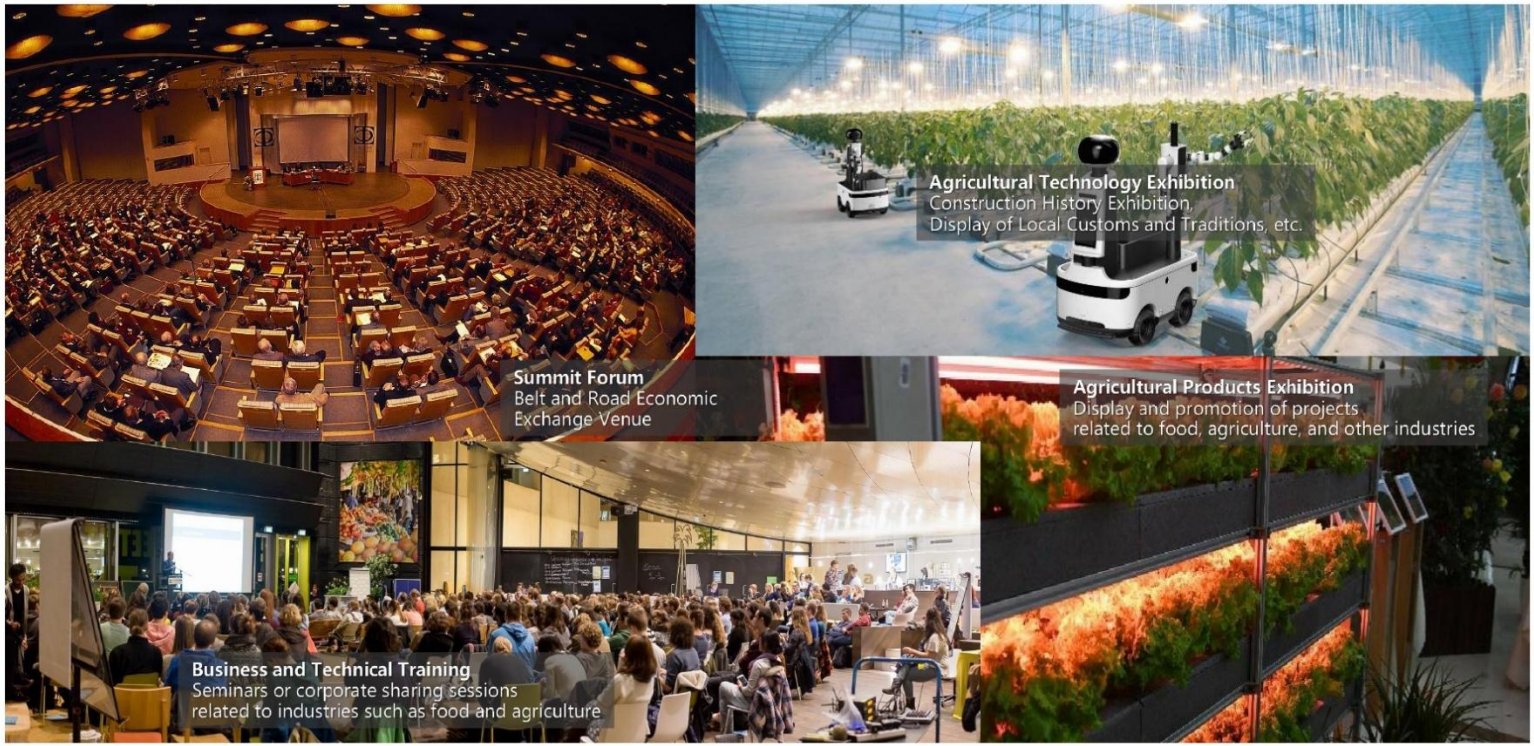


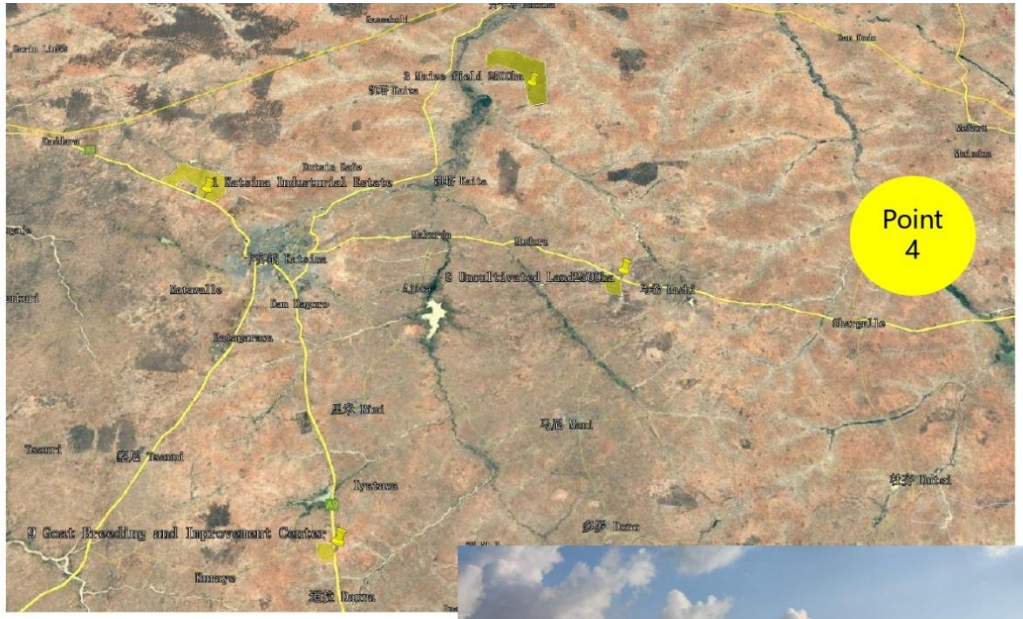




Industrial Planning

Establish the Katsina Livestock Industry Summit, creating a premier forum for industry exchange



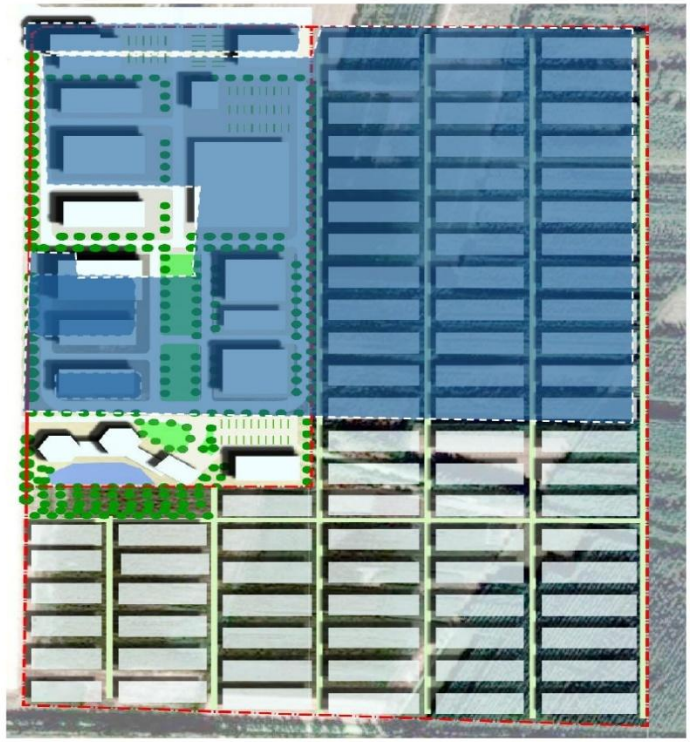




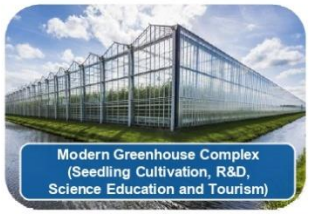


Greenhouse Base (200ha)

Master Plan and Phased Implementation Recommendations Utilize water resources to establish a greenhouse base for cultivating new varieties.








Industrial Planning
Smart
Greenhouse

Industrial Planning

Smart Aquaponics Greenhouse

Three-dimensional Aquaculture for Fish and Shrimp & Vertical Farming for Fruits and Vegetables & Intelligent Aquaculture Management

❑ Project Feature

Maximize land resources to source processing materials locally, introduce multi-tiered aquaculture techniques for fish and shrimp alongside multi-tiered cultivation methods for fruits and vegetables. Implement intelligent, digital, industrialized, and large-scale farming management to extend the industrial chain and increase added value.


Three-dimensional Aquaculture for Fish and Shrimp


Vertical Farming for Fruits and Vegetables


Intelligent Aquaculture Management

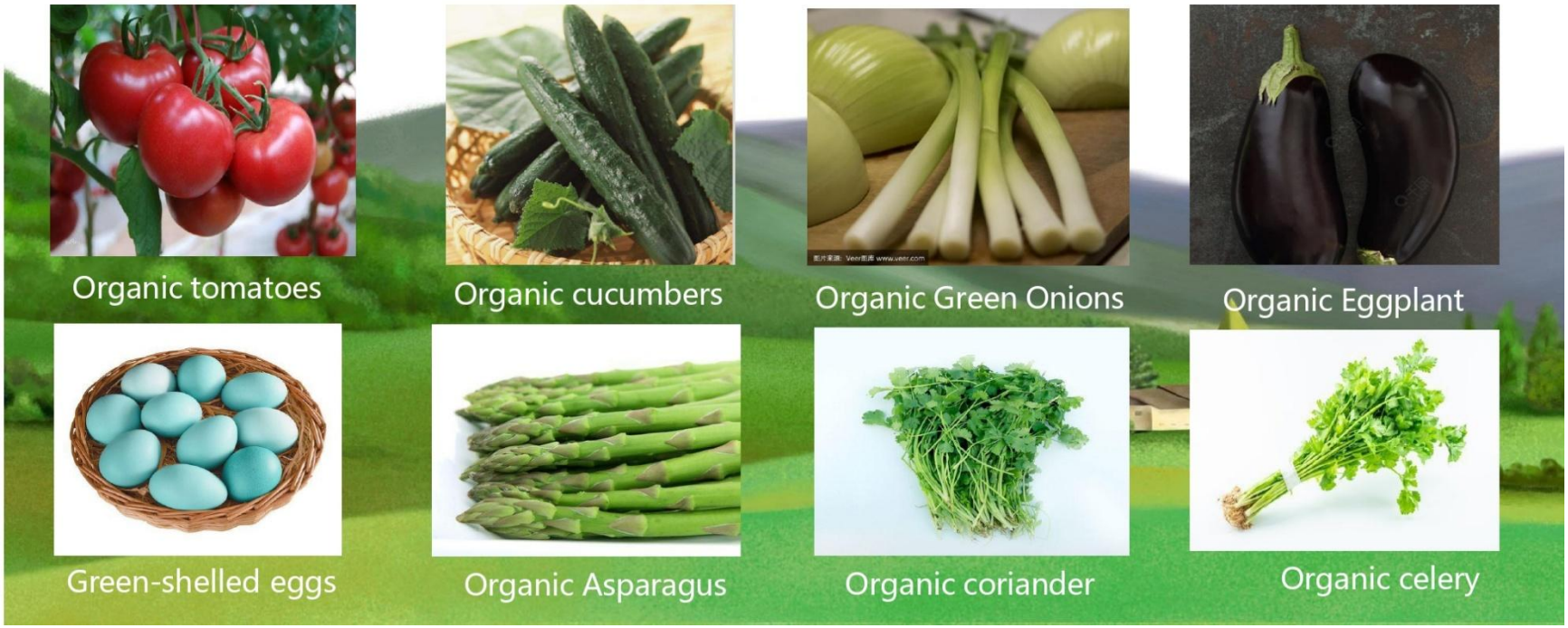
Precision Agriculture - Half-acre Field

Leveraging the advantages of diversified farming and livestock husbandry, we adopt an organic and health-focused model to transform existing vegetable bases. Through the Half-acre Field customization model, we provide long-term, organic, and diverse agricultural products to high-end consumers nationwide. Taking the Half-acre Field agricultural product customization model as an example, consumers subscribe to agricultural products from half-acre plots, including vegetables, chicken, beef, lamb, and other produce.





■ Specialty Agricultural Products



Precision Agriculture - Countryside Market

Leveraging Rengezhuang's specialty agricultural product (ginger) and integrating with the development of origin warehouses, we will establish a brand through broader promotion to enhance the regional brand value of Rengezhuang's agricultural products.









Precision Agriculture - Precision Agriculture Supermarket

- Building a Multi-functional Professional Market: Diverse Industries and Rich Experiential Features

Agricultural and Aquaculture Zone

Cultivates most agricultural products that make up everyday ingredients.



Retail Shopping Area

It serves as both the source of ingredients for the organic restaurant and the display area for the "fresh produce market."



Agricultural Product Processing Zone

Set up corn processing and chicken processing videos to showcase the workflow in a studio environment.



Food Court

Create restaurants and food stalls, establishing a food and leisure area.



Precision Agriculture - Precision Agriculture Market

- Building a multifaceted professional marketplace: Diverse industries and rich experiential features.

Shopping Flow

Create a consumer-focused flow path and establish multiple access points connecting to the agricultural exhibition area.





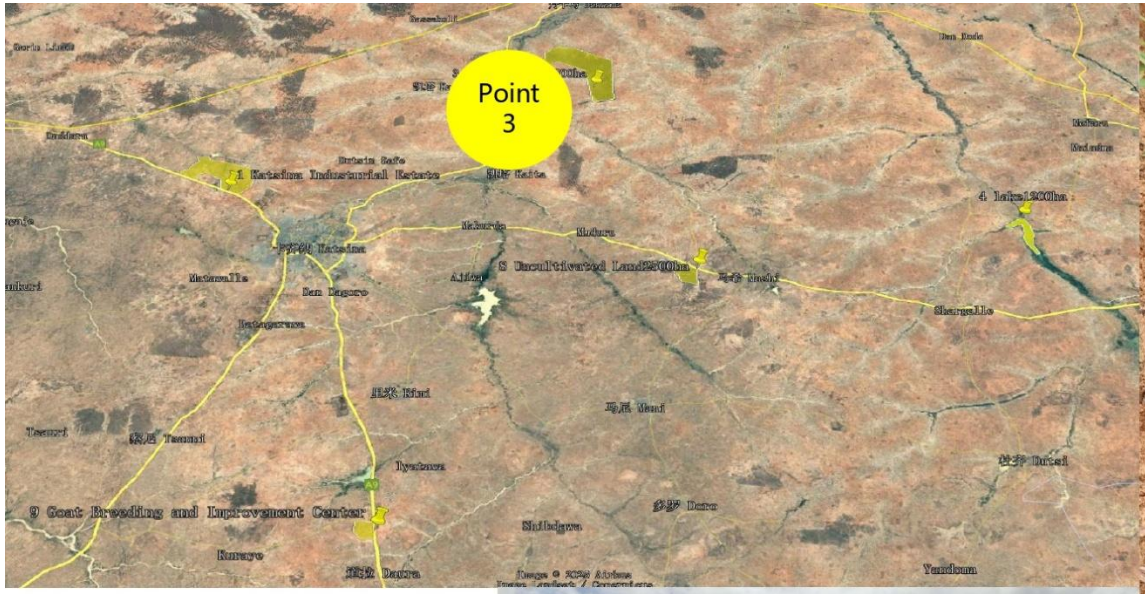


Agricultural Tour Flow

Develop a visitor flow centered on agricultural tours, with multiple pathways connecting to retail areas.



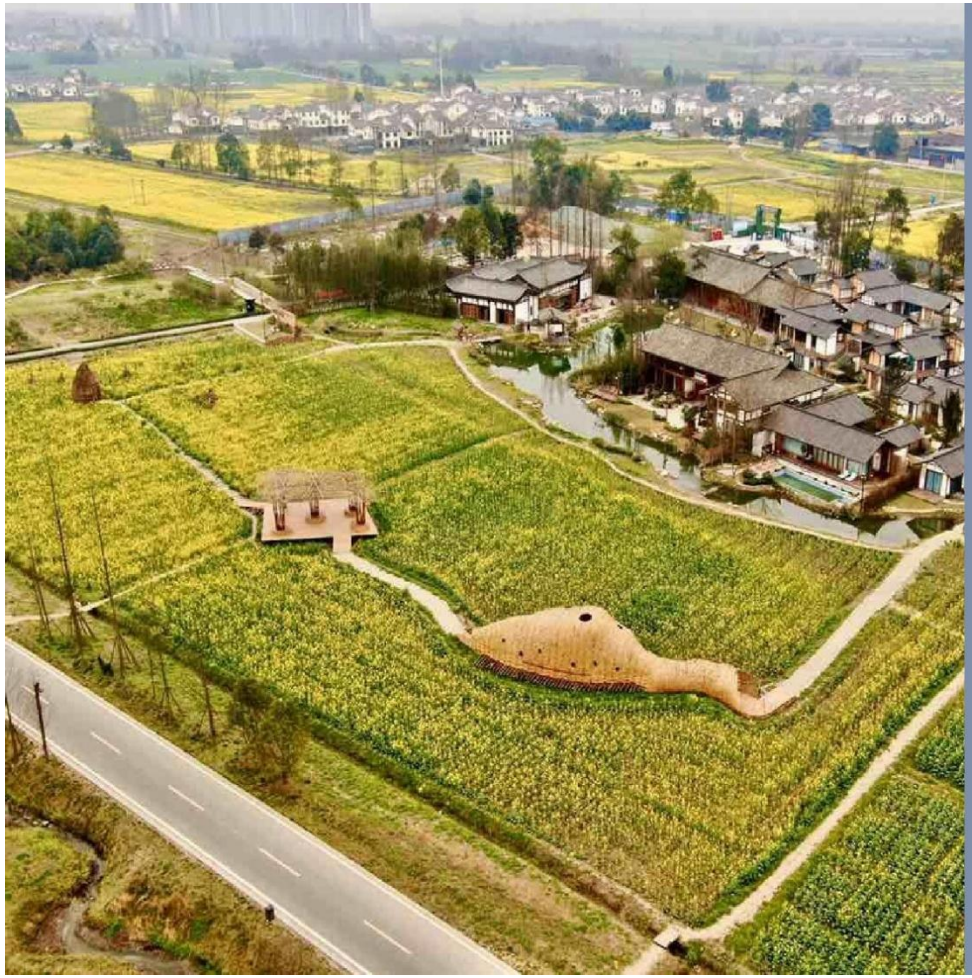






Agricultural Demonstration Base



Agriculture+

With green agriculture as the driving force, we are establishing agricultural service and technical support facilities, integrating internet resources to facilitate agricultural transformation in Katsina and deliver healthier crops.

- Agricultural production
- Technological Agriculture
- CSA Agriculture
- Agricultural E-commerce

High-Standard Farmland Construction - Technical Measures

Technical Measures

Germplasm Enhancement



Precise Soil Testing



Soil Remediation



Smart Information Technology



Comprehensive Benefits



- Expected to increase comprehensive grain production capacity by 100 kilograms per acre Significant water, energy, fertilizer, pesticide, and labor savings Annual income increase and cost reduction of approximately 500 yuan per acre



- Enhance national food security capabilities and promote high-quality agricultural development. Accelerate the adoption of new agricultural varieties, technologies, and equipment to support comprehensive rural revitalization and safeguard the enthusiasm of grain farmers.



- Enhance the efficiency of water and soil resource utilization. Improve the agricultural ecological environment. Achieving over 10% savings in both pesticides and fertilizers per mu can effectively boost the utilization efficiency of agricultural chemicals, reduce agricultural non-point source pollution, mitigate soil acidification, and enhance the ecological functions of farmland.

Landscape Agriculture - Field Art



Multi-crop cultivation base



❑ **Amaranth cultivation**

Amaranthus caudatus holds a distinct comparative advantage over alfalfa, known as the "king of forage grasses," with higher protein content in its leaves, stems, and seeds than alfalfa.



❑ **High-Energy Maize**

Beyond producing plump kernels, the stalks and leaves are also packed with nutrients. Planting one acre of "high-energy corn" yields the same total food harvest as two acres of conventional corn.



❑ **Silphium perfoliatum L.**

The stems and leaves are tender and juicy, with a distinctive pine aroma. After brief conditioning, they are highly palatable to livestock and poultry. They are also suitable for feeding cattle, sheep, and various poultry, and can be used as fish feed.

From field sowing, scientific field management, and determining the optimal harvest timing, to seedling cultivation and transplanting techniques and equipment selection, comprehensive technical guidance is provided.









Organic Pasture Grass Cultivation



❑ **Introduction**

Feed mulberry (mulberry for animal feed) leaves contain up to **36%** protein, while branches contain **28%**. The leaves serve as fresh vegetables for consumption. Mulberry tea helps lower high blood pressure, high blood sugar, and high cholesterol, while mulberry powder promotes beauty and skin health.

❑ **Planting Benefits**

Each acre of silage yields approximately 4,000 yuan in revenue. With secondary processing, higher-value products such as mulberry leaf tea and protein-rich mulberry powder can be produced.

❑ **Planting Conditions**

Mulberry trees are highly adaptable, requiring ample sunlight and well-drained soil. The most suitable soil for mulberry cultivation is fertile, neutral to slightly acidic loam.

Premium Forage—Protein Mulberry



❑ **Introduction**

Qinghai bluegrass is a perennial herb with well-developed fibrous roots. It possesses excellent forage quality and palatability, with leaves accounting for 31.4% of its fresh weight.

❑ **Planting Benefits**

Each acre of grass seed and forage yields approximately 2,640 yuan. Rich in protein and minerals, its crude protein content is 2.04% higher than that of cold-season early-maturing ryegrass.

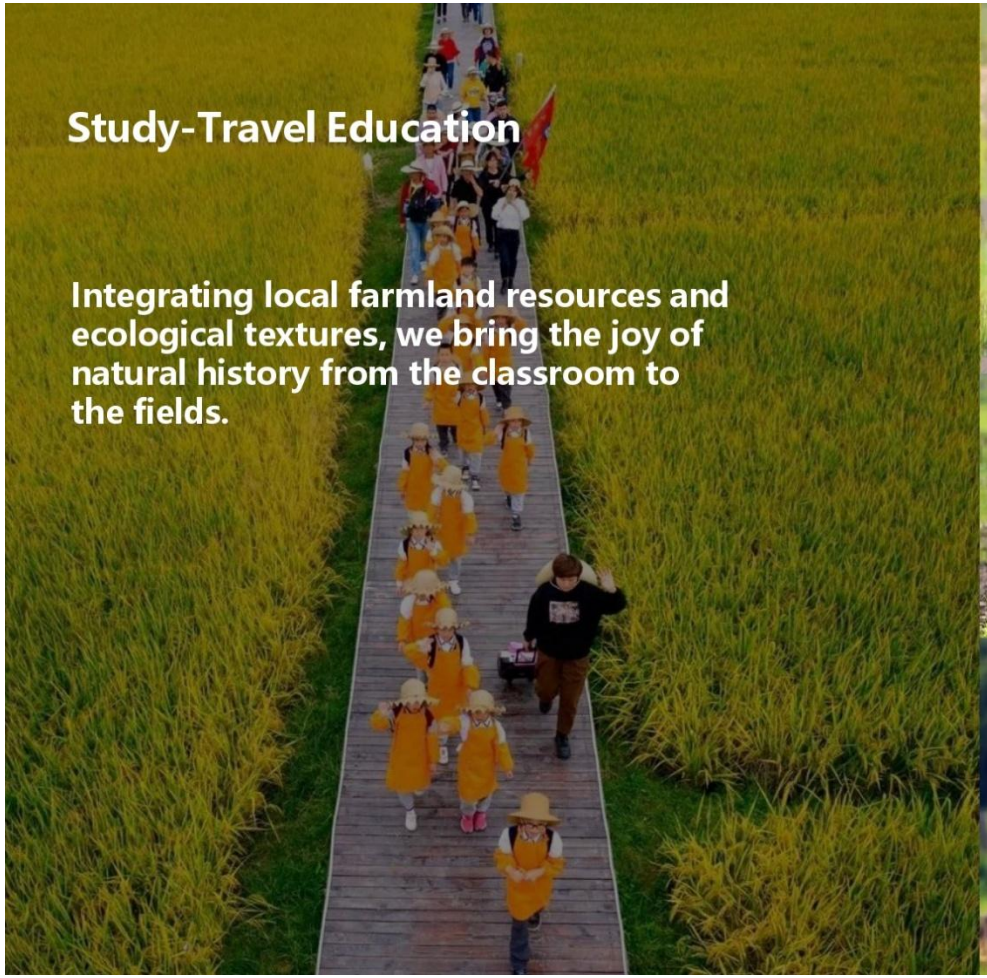
❑ **Planting Conditions**

Highly regenerative, cold-tolerant, drought-resistant, and tolerant of trampling; readily forms sod and is suitable for mechanical operations.。

Premium Forage Grass—Qinghai Meadow Fescue

Study-Travel Education

Integrating local farmland resources and ecological textures, we bring the joy of natural history from the classroom to the fields.









Comprehensive Utilization of Straw

- Crop straw represents a highly valuable biomass energy resource within agricultural ecosystems. Its utilization has largely established a comprehensive framework centered on fertilization, with steady advancement in feed and fuel applications, supplemented by uses as substrate and raw material.





Comprehensive Utilization of Straw

- Straw fertilization production is a manufacturing process that controls specific conditions and employs specialized techniques to facilitate the decomposition and stabilization of straw within industrial facilities, ultimately converting it into commercial fertilizers. The primary products typically include two types: refined organic fertilizers and organic-inorganic compound fertilizers.





Comprehensive Utilization of Straw

- Straw substrate technology primarily utilizes straw to cultivate edible fungi. Straw-based mushroom production techniques encompass two main categories: straw cultivation of grass-decaying fungi and straw cultivation of wood-decaying fungi.





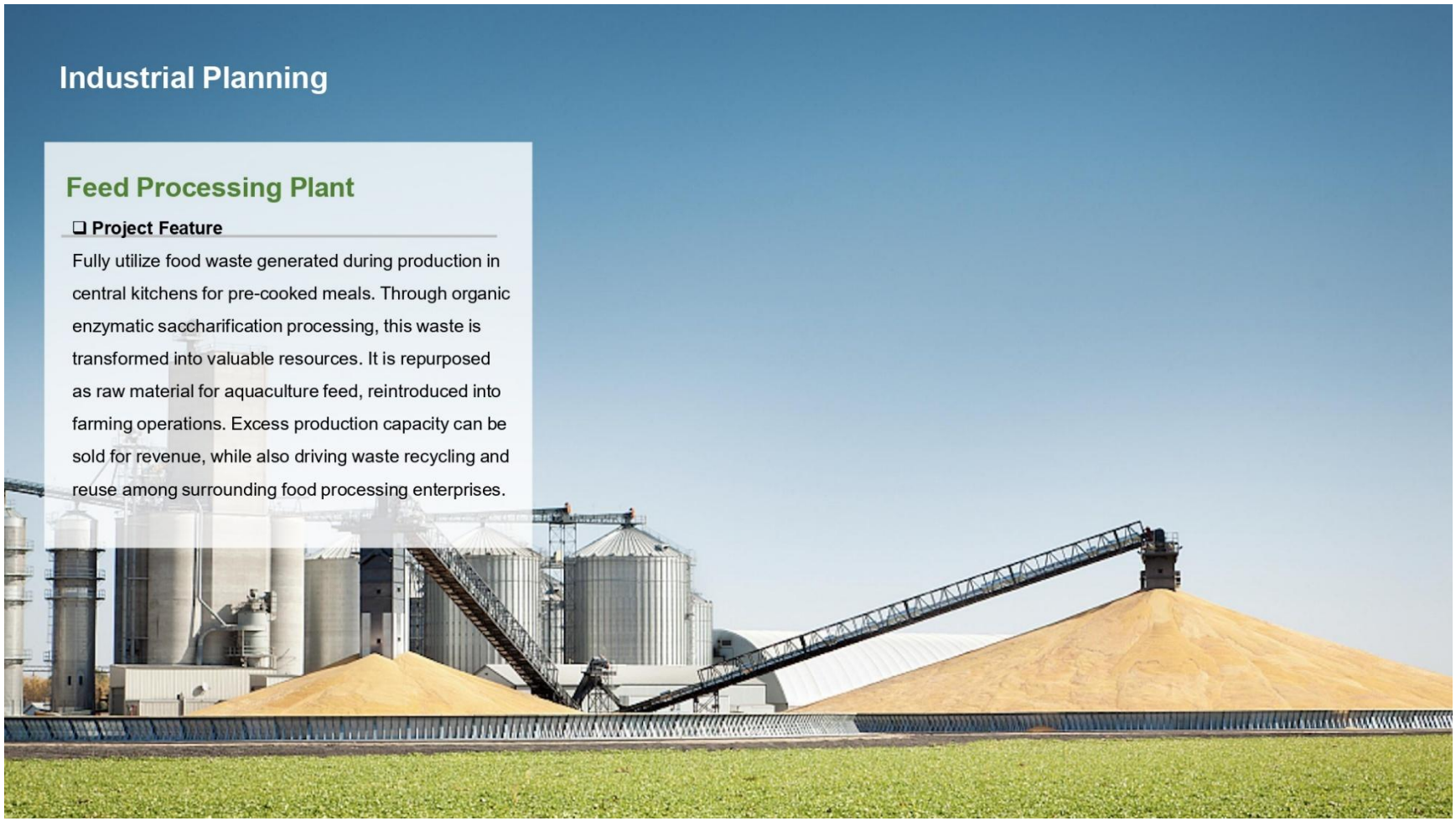
- Straw fuel utilization encompasses both direct combustion and novel energy conversion applications.

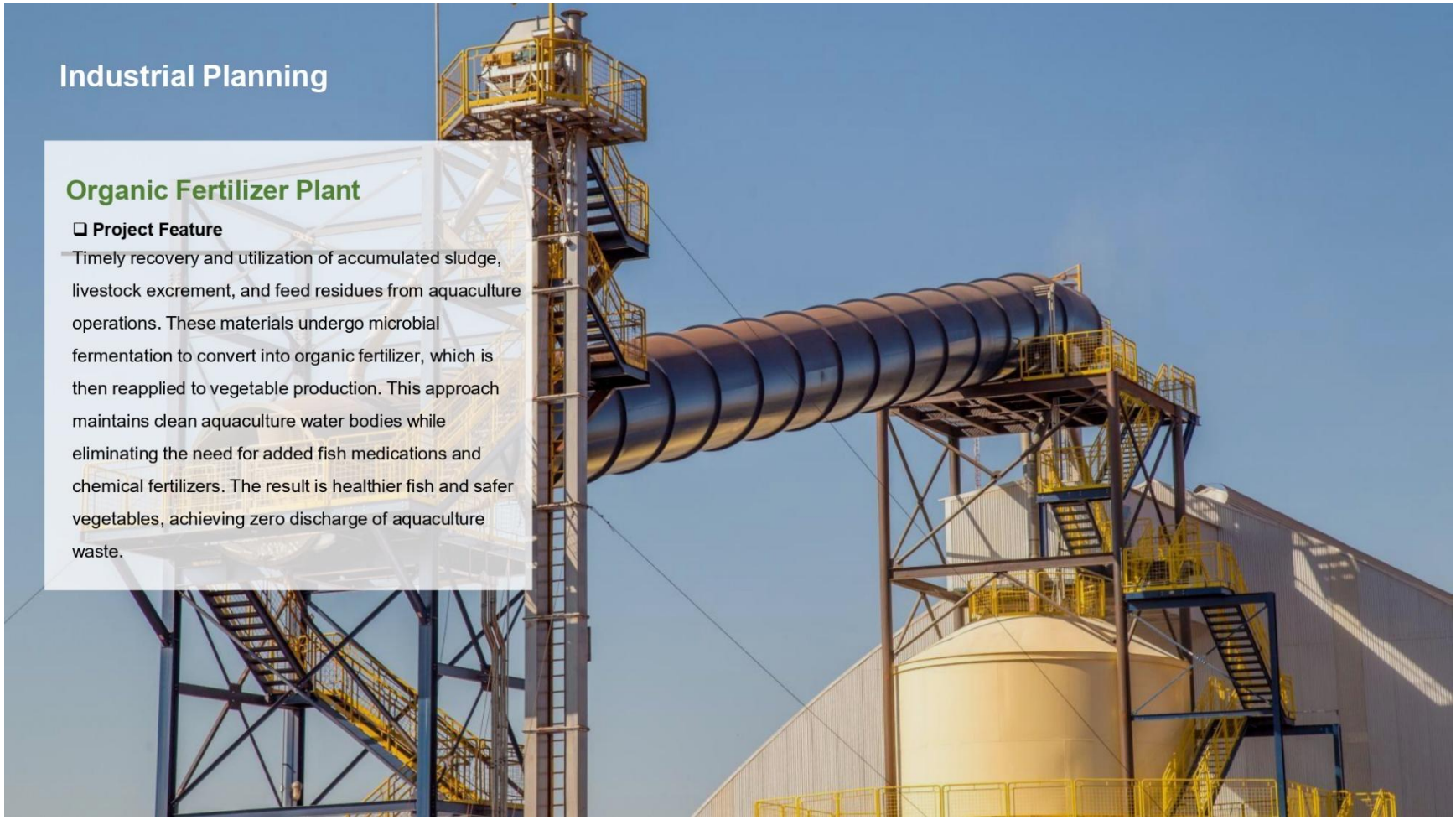
Industrial Planning

Feed Processing Plant

❑ **Project Feature**

Fully utilize food waste generated during production in central kitchens for pre-cooked meals. Through organic enzymatic saccharification processing, this waste is transformed into valuable resources. It is repurposed as raw material for aquaculture feed, reintroduced into farming operations. Excess production capacity can be sold for revenue, while also driving waste recycling and reuse among surrounding food processing enterprises.





Industrial Planning

Organic Fertilizer Plant

❑ **Project Feature**

Timely recovery and utilization of accumulated sludge, livestock excrement, and feed residues from aquaculture operations. These materials undergo microbial fermentation to convert into organic fertilizer, which is then reapplied to vegetable production. This approach maintains clean aquaculture water bodies while eliminating the need for added fish medications and chemical fertilizers. The result is healthier fish and safer vegetables, achieving zero discharge of aquaculture waste.

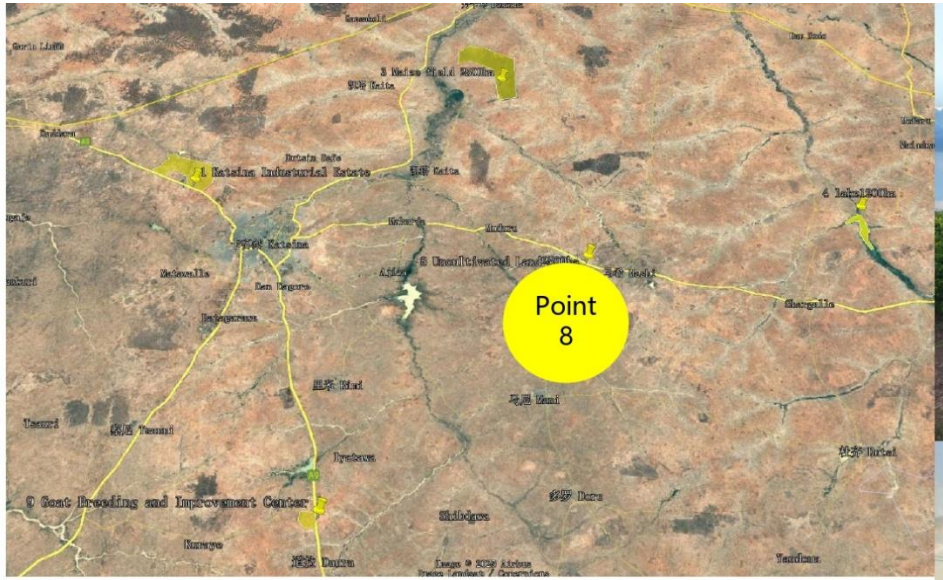
Industrial Planning

Project Feature: Establishing a Green Crop-Livestock Recycling System

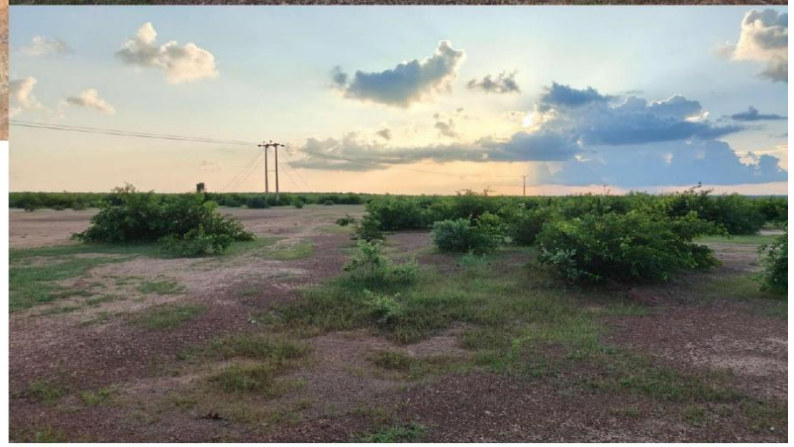
Extend the agricultural industrial chain, leverage the downstream benefits of agricultural by-product processing, promote the upgrading of crop and livestock production structures, enhance production efficiency, and advance the development of the livestock industry toward large-scale, intensive, and modern operations. By leveraging the leadership of key feed processing enterprises, accelerate the processing and conversion of feed raw materials, intensify livestock fattening, enhance comprehensive resource utilization in agricultural areas, and foster the growth of the livestock industry to boost income for farming households.



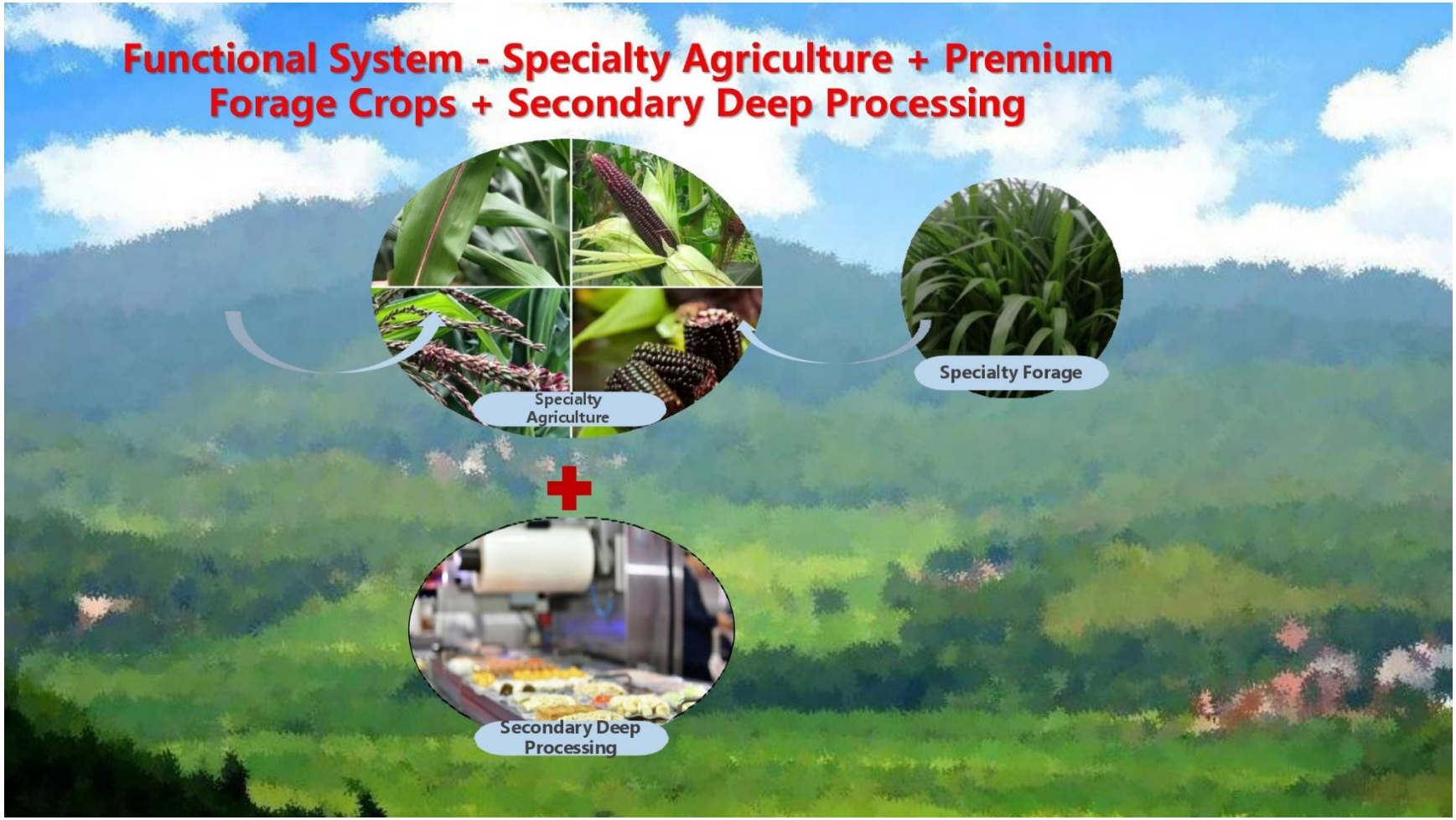








Livestock Husbandry Base


Functional System - Specialty Agriculture + Premium Forage Crops + Secondary Deep Processing
Specialty Agriculture
Specialty Forage
Secondary Deep Processing

Industrial Planning

■ Purple Maize Cultivation

- The entire purple corn plant undergoes spaceflight-induced mutation followed by ground-based selection breeding. It exhibits exceptionally high anthocyanin content, exceeding 5.3% throughout the plant—6 to 8 times that of blueberries and 8 to 9 times that of purple sweet potatoes. Simultaneously, it is rich in trace elements including iron, selenium, calcium, and zinc, with concentrations reaching 2 to 9 times those of ordinary corn. Its protein content is 1.22 times higher than that of conventional corn. When used as feedstock, it doubles meat prices.





Feed raw materials

“三高”高品质黄豆新品种



中农豆1号　　中农黑豆1号　　中农彩豆1号

Yield per acre: 250-350 kg, exceeding ordinary varieties by over 20%
High protein: Protein content ranges from 41% to 46%
High oil: Fat content reaches over 20%
High polysaccharides: Polysaccharide content (antioxidant health-promoting components) is 5-10 times higher than ordinary varieties
Currently holds 2 provincial-approved varieties and 5 outstanding strains

Zhongnong Varieties

类别	名称	蛋白（干基）g/100g	脂肪（干基）g/100g	亩产（公斤）
中农品种	中农豆1号	41.8	18.5	285
	中农豆3号	41.9	20.9	260
中农品系	中农豆5号	43.2	17.9	310
	中农豆12号	46.1	18.9	300
	中农豆16号	44.1	19.8	300
	中农豆20号	45.4	18.8	300

Variety Comparison

类别	名称	蛋白（干基）g/100g	脂肪（干基）g/100g	亩产（公斤）
对比品种	齐黄39	39	20	211
	中黄29	45	18.7	167
	美国转基因黄豆	35	20	175

Crops suitable for dryland cultivation



海水稻 Seawater rice

耐盐碱小麦 Salt-tolerant wheat

耐盐碱黄豆 Salt-tolerant soybeans

藜麦 Quinoa

高粱 Sorghum

耐盐碱饲草油菜 Salt-tolerant forage rapeseed



特种西瓜 Specialty Watermelon

南瓜 Pumpkin

打籽西葫芦 Seedless zucchini

青储玉米 Silage maize

沙漠沙米（沙蓬） Agriophyllum squarrosum

Premium Beef Cattle Breeding Industrial Park

❑ Project Feature

Focusing on local beef cattle farming, we will introduce premium cattle breeds to expand operations. Utilizing small-molecule water technology, we will achieve high-quality beef production. Manure will undergo harmless treatment, and an organic fertilizer plant will be established to supply organic fertilizers to the demonstration zone and surrounding agricultural areas, fostering the development of circular ecological agriculture.









Katsina Sheep/Goat Green Circular Industrial Park

❑ **Project Feature**

Building upon existing sheep farming operations, opportunities exist to develop high-end forage cultivation, eco-friendly sheep rearing, and manure treatment systems. By moderately extending the industrial chain from current foundations, additional income streams can be generated while simultaneously enhancing the sector's resilience to risks.

Disease Prevention and Control Center



Standardized Broiler Chicken Farming

- Leveraging investment-attracted enterprises, the government has guided farmers to establish an integrated broiler chicken industry chain encompassing breeding, processing, and sales. This initiative promotes and expands the standardized “company + base + farmer” breeding model.
- Diversified farming practices such as chicken-vegetable integration, free-range chickens under trees, and rice paddy fish farming are being developed.





Hatchery



Chicken chicks



Chicken coop



Veterinary Medicines for Health Care



Slaughter and processing



Herbal Chicken

Integrated Meat Processing Center












04
Cooperation
Model

Responsibilities, Rights, and Obligations of the Three Parties

The project covers an area of 5,000 hectares with a total investment of approximately 150 million. It will be implemented in phases under a master plan with rolling development.

Sector	Area (Hectares)	Total Investment (in millions)	Project
Commercial & Trade Center	800	50	Agricultural machinery equipment, pre-harvest crops, warehousing and logistics, transaction settlement, etc.
Breeding R&D Center	2	4	Breeding, fry production, research, training, conferences, etc.
Agricultural Demonstration Base	2000	28	Multiple Crops Cultivation and Feed
Greenhouse Base	200	20	Fruits and vegetables, fish, sightseeing
Livestock Husbandry Base	2000	48	Cattle, sheep, chickens, and pasture grass
Total	5000	150	

Responsibilities, Rights, and Obligations of the Three Parties

1. Government Responsibilities:

(1) Infrastructure Investment: Responsible for constructing and maintaining infrastructure access to the plots, ensuring adequate transportation of materials, and providing comprehensive water conservancy and power facilities to meet logistics requirements and supply water and electricity for production and daily life.

(2) Security: Responsible for providing security services within the park and bearing the associated costs.

(3) Policies: Enterprises investing in the park shall enjoy local preferential policies (e.g., reductions or exemptions on export tariffs, value-added tax, and corporate income tax).

(4) Provision of no less than 5,000 hectares of land and sufficient labor force.

2. COVEC's Responsibilities:

(1) Consulting: Responsible for project top-level design, industrial planning, investment and financing model design, and project consulting.

(2) EPC: Responsible for project design and construction general contracting.

(3) Investment Promotion & Operations: Responsible for investment promotion and operations.

(4) Sales: Responsible for marketing agricultural products within the park in Nigeria, with purchase prices subject to negotiation.

3. Investment Enterprises are responsible for:

(1) Land preparation within the cultivation area, including weed removal, construction of production access roads within plots, irrigation systems, and soil improvement;

(2) Inputs such as seeds, fertilizers, pesticides, and machinery; enterprises within the park are responsible for contract farming and processing, supplying agricultural products annually per orders.

(3) Investment and construction of processing plants and cold storage facilities; (4) Cultivation, processing, warehousing, and trade of agricultural products.

Cooperation Model

Cooperation Option 1:

After COVEC leases the land, it collects land rent from investors, with the rent amount to be negotiated.

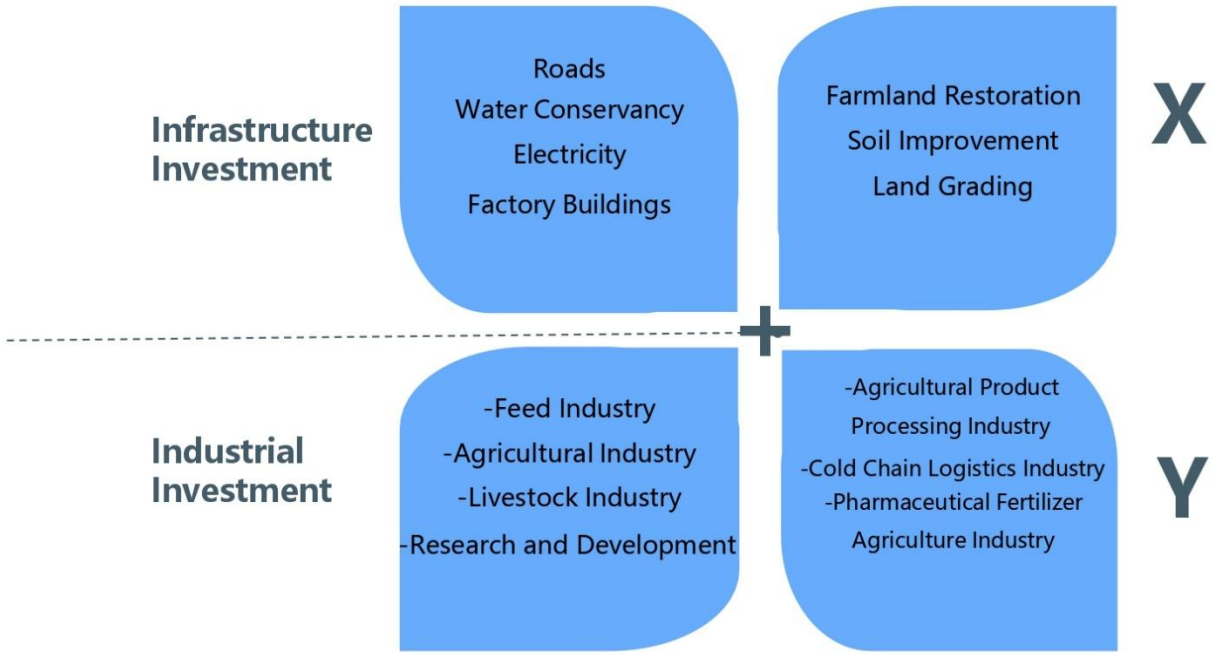
Cooperation Option 2:

After COVEC leases the land, it contributes the land as equity for a 20% stake and sends representatives to participate in the daily management of the joint venture.

Cooperation Option 3:

Zero land rent; COVEC purchases agricultural products, with profit margins no less than the land lease price; profit distribution between COVEC and the government is subject to mutual negotiation.

Funding Sources



Funding Sources

① **Enterprise self-financing:**

② **Bank financing:**

③ **Third-party user fee**

④ **Operating income from industrial projects, etc.**

Comprehensive Benefits



Employment

Direct employment: Approximately 500 people
Indirect employment: Approximately 1,000 people, generating 10,000 jobs in surrounding areas

Industry

Agriculture: Establish standardized experimental fields for modern agriculture, precision farming, and field crops, creating a model agricultural base in Nigeria.

Livestock: Building a standardized full-industry chain for livestock farming, addressing feeding challenges through primary-sector cultivation.

Project Benefits

Political: Establish a breeding research hub, shape industry benchmarks in Katsina, and build the city's brand recognition.

Economic: Elevate the local industrial landscape and boost residents' economic income. Upon full completion, the project is projected to generate an annual output value of $200 million.

Cultural: Katsina leverages its geographical advantage to become a cultural gateway in northern Nigeria.

Social: Develop an integrated industrial zone combining agriculture, industry, commerce, and trade to support local industrial transformation and upgrading, drive regional economic growth, and boost local employment rates. Develop an integrated industrial zone combining agriculture, industry, commerce, and trade to support the transformation and upgrading of local industries, drive regional economic growth, and boost local employment rates.


Thank you