



ABLAY GROUP

MODERN TECHNICAL AGRICULTURAL INVESTMENT SOLUTIONS



ABLAY
GROUP

Integrated plant and animal production projects
for safe food in the developing world



MODERN TECHNOLOGY

State-of-the-art greenhouses
and innovative systems for
maximum efficiency



ANIMAL PRODUCTION

Sustainable and healthy
livestock production for
high-quality protein



PLANT PRODUCTION

High-yield, sustainable crop
production for food security
and long-term value



INTEGRATED SYSTEMS

Integrated plant and animal
systems creating synergy,
efficiency and sustainability



SAFE FOOD – BETTER FUTURE

Delivering safe, nutritious food
and driving positive impact in
the developing world



GLOBAL VISION

Investing in the developing
world for a sustainable
future



STRATEGIC PARTNERSHIPS

Collaboration, trust and
shared success



LONG-TERM VALUE

Sustainable investments
generating continuous
growth



SUSTAINABLE IMPACT

Environmentally responsible
solutions for people and
the planet



ABLAY GROUP × ARTCAN AGRICULTURE

STRATEGIC PARTNERSHIP FOR LARGE-SCALE AGRO-INDUSTRIAL INVESTMENTS



ABLAY
GROUP

ABLAY GROUP is a global EPC+F platform specializing in the structuring, financing, and execution of **large-scale infrastructure, energy, and industrial projects**.

Ablay Group has a strategic partnership with Artcan Agriculture, which has over **34 years** of international experience in large-scale agricultural investment.



EPC+F
INFRASTRUCTURE



ENERGY &
INDUSTRIAL PROJECTS



INTERNATIONAL
PROJECT STRUCTURING



FINANCING &
PPP SOLUTIONS



**ABLAY
GROUP**



STRONG PARTNERSHIP. SHARED VISION.
SUSTAINABLE FUTURE.



MODERN
GREENHOUSE INVESTMENTS



INTEGRATED
LIVESTOCK PROJECTS



POULTRY
PRODUCTION SYSTEMS



AGRO-INDUSTRIAL
DEVELOPMENT



ENGINEERING & CONSTRUCTION



TURNKEY INDUSTRIAL SOLUTIONS



LIVESTOCK INVESTMENTS



GREENHOUSE INVESTMENTS



POULTRY PRODUCTION SYSTEMS



GLOBAL VISION

Investing in the developing world for a sustainable future.



STRATEGIC PARTNERSHIPS

Collaboration, trust and shared success.



LONG-TERM VALUE

Sustainable investments generating continuous growth.



SUSTAINABLE IMPACT

Environmentally responsible solutions for people and the planet.

Ablay Group & Artcan Agriculture Agricultural Investment Activities



Integrated • Modern • Sustainable • Profitable



**Modern
Greenhouse
Systems**



**Integrated
Livestock Facilities
for Meat and Dairy**



**Integrated
Poultry Facilities
(Egg and Meat)**



**Modern Fruit
Farming and
Controlled Orchards**



**Open Field
Vegetable Production;
for Fresh Consumption
and Industrial Needs
(Dried Vegetables and
Preserves)**



**Production of
Field Crops for
Fodder Crops and
Industrial Needs**



MODERN GREENHOUSE TECHNOLOGIES

DIFFERENT TYPES OF SOLUTIONS



Artcan carries out modern greenhouse projects in regions ranging from **Extreme cold** climates to **tropical climates** and even **desert climates**.



**MODERN VENLO TYPE
GLASS GREENHOUSES**



High-tech glass structures offering maximum light transmission, durability and optimum crop yield.



**MODERN GOTIK
PLASTIC GREENHOUSES**



High-tech multi-tunnel solutions with superior strength, insulation and cost efficiency.



**CLOSED AND
SEMI-CLOSED GREENHOUSES**



Advanced climate-controlled systems ensuring maximum yield, resource efficiency and biosecurity.



**SOLAR POWERED
MODERN GREENHOUSES**



Sustainable greenhouses combining agriculture with clean energy for lower operating costs.

MODERN GREENHOUSE TECHNOLOGIES



01 MODERN VENLO TYPE GLASS GREENHOUSES

Named after the city of Venlo in the Netherlands, it is one of the most preferred modern and high-tech glass greenhouse designs for professional greenhouse cultivation worldwide.



HIGH STRENGTH

Durable glass structures with long lifespan



MAXIMUM LIGHT

High light transmission for superior growth



OPTIMAL CLIMATE

Precise climate control for high productivity



LONG-TERM VALUE

Sustainable investment with high ROI



ADVANCED DESIGN

High-tech Venlo structure for professional cultivation



ENERGY EFFICIENT

Better insulation & energy management



GLOBAL STANDARD

Preferred choice by growers worldwide



MAXIMUM YIELD

Consistent quality and higher crop performance

MODERN GREENHOUSE TECHNOLOGIES



02 MODERN GOTIK PLASTIC GREENHOUSES

These are high-tech, multi-tunnel industrial greenhouses that utilize a pointed arch (ogiv) design in their roof structure. They have emerged as an advanced alternative to traditional circular tunnel greenhouses.



POINTED ARCH (OGIV) DESIGN

Superior strength, better drainage and snow resistance



HIGH PERFORMANCE

Improved insulation and climate control for optimal production



MAXIMUM VENTILATION

Enhanced air circulation for healthier crops and disease reduction



DURABLE & RELIABLE

Long-lasting structure with low maintenance and high reliability



MULTI-TUNNEL STRUCTURE

Connected tunnels provide large growing areas and operational efficiency.



ADVANCED ROOF DESIGN

Ogiv roof shape ensures better light distribution, water runoff and structural stability.



OPTIMAL GROWING CONDITIONS

Constant climate, high light transmission and efficient resource use for higher yields.



SUSTAINABLE SOLUTION

Energy-efficient, recyclable materials and long service life for a sustainable future.

MODERN GREENHOUSE TECHNOLOGIES



03

CLOSED AND SEMI-CLOSED GREENHOUSES

Closed and semi-closed greenhouses are state-of-the-art, hyper-modern greenhouses designed to provide maximum crop yield, completely or partially independent of external weather conditions.

These greenhouses are known by the following names:

Dalsem X-AIR, ModulAir, Ultra climate, Eco System.



CLIMATE INDEPENDENCE

Maximum production regardless of external weather conditions



MAXIMUM YIELD

Optimized growing conditions for highest productivity



ENERGY EFFICIENCY

Smart climate control reduces energy consumption



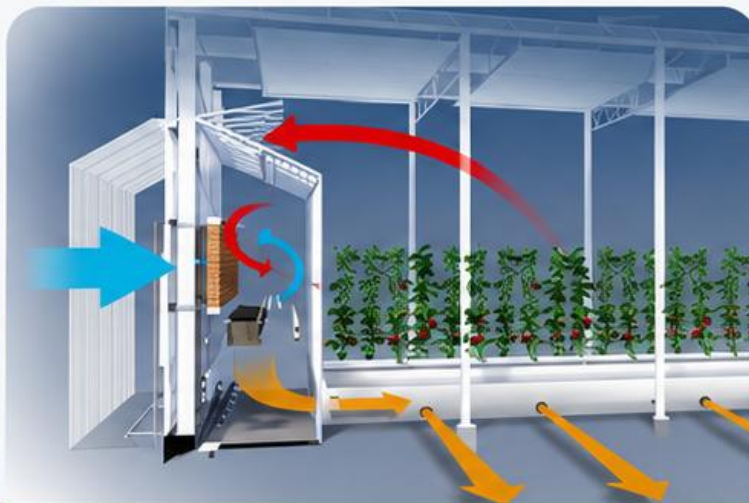
BIOSECURITY & QUALITY

Controlled environment ensures crop quality and biosecurity



ADVANCED CLIMATE CONTROL

Evaporative cooling pads, heating systems and precise ventilation ensure ideal climate at all times.



SMART AIRFLOW MANAGEMENT

Controlled air circulation maintains uniform temperature, humidity and CO₂ levels for optimal plant growth.



HIGH-PERFORMANCE PRODUCTION

Consistent growing conditions, high light transmission and advanced systems deliver premium quality and maximum yields.

MODERN GREENHOUSE TECHNOLOGIES



04

SOLAR POWERED MODERN GREENHOUSES

Modern solar-powered greenhouses are next-generation sustainable agricultural structures that combine agricultural production with renewable energy technologies (**Agrivoltaics / Agriculture-GES**). Solar panels eliminate or minimize the electricity costs for heating, cooling, ventilation, and artificial lighting, which are the biggest operating expenses of a modern greenhouse.



CLEAN ENERGY

Solar panels reduce or eliminate electricity costs for greenhouse operations.



LOWER OPERATING COSTS

Significant savings on heating, cooling, ventilation and artificial lighting.



SUSTAINABLE FUTURE

Renewable energy integration for a greener and more sustainable agriculture.



HIGHER EFFICIENCY & YIELD

Stable climate control and energy independence drive higher productivity and profitability.



INTEGRATED SOLAR ROOF SYSTEMS

Solar panels integrated into greenhouse roofs generate clean energy without compromising light transmission.



ENERGY INDEPENDENCE

On-site solar energy production ensures energy independence, protects against price fluctuations and secures long-term operations.



SUSTAINABLE AGRICULTURE

Combining agricultural production with renewable energy for a sustainable, efficient and future-ready agricultural model.

MODERN GREENHOUSE SYSTEMS



GREENHOUSE STEEL STRUCTURE

High-strength, durable steel frames designed for long-term performance and maximum safety.



GREENHOUSE COOLING AND HEATING SYSTEMS

Efficient climate management systems that ensure optimal growing conditions year-round.



VERTICAL AND HORIZONTAL SHADING AND THERMAL CURTAIN SYSTEM

Advanced shading and thermal curtain solutions for light control, energy saving and ideal microclimate.



COVERING MATERIALS (GLASS, PLASTIC, POLYCARBONATE)

High-quality covering options offering excellent light transmission, insulation and long service life.



GREENHOUSE IRRIGATION, HUMIDIFICATION, ELECTRICITY, AUTOMATION AND CLIMATE CONTROL SYSTEMS

Integrated systems for precise water management, humidity control, automation and climate optimization.



AUTOMATION AND CLIMATE CONTROL SYSTEMS

Smart control solutions for monitoring and managing all greenhouse operations with maximum efficiency and accuracy.



STEEL STRUCTURE

Robust and corrosion-resistant steel framework for maximum strength and durability.



COOLING & HEATING SYSTEMS

Efficient systems to maintain ideal temperatures for healthy plant growth all year.



SHADING & THERMAL CURTAINS

Advanced shading and thermal curtains for light control, energy saving and optimal climate.



IRRIGATION & CLIMATE SYSTEMS

Integrated irrigation, humidification, electricity and climate control for precise environment management.



AUTOMATION & CONTROL

Smart automation systems for real-time monitoring, control and maximum operational efficiency.

MODERN GREENHOUSE SYSTEMS



SOILLESS CULTURE GROUND COVER PLANT TRANSPORT (GUTTER) SYSTEM

Hygienic and efficient gutter systems for ground cover plant transport and handling.



ARTIFICIAL LIGHTING SYSTEMS

Advanced LED lighting solutions for optimal light intensity and crop growth in all seasons.



GREENHOUSE ENERGY SYSTEMS COGENERATION

Efficient cogeneration systems that provide reliable and sustainable energy for greenhouse operations.



SEEDLING NURSERY AND SEEDLING CULTIVATION

Professional nursery solutions for healthy seedlings and high-yield cultivation.



GREENHOUSE SERVICE AREAS, PACKAGING, OFFICE, SOCIAL AREAS AND TECHNICAL AREAS

Comprehensive facilities for packaging, administration, staff comfort, and technical operations.



TRANSPORT EQUIPMENT AND VEHICLES

Specialized transport equipment and vehicles for greenhouse logistics and operations.



GUTTER SYSTEM

Efficient plant transport and handling with hygienic gutter systems.



ARTIFICIAL LIGHTING

Advanced LED technology ensures optimal light for maximum growth.



ENERGY COGENERATION

Reliable and sustainable energy solutions for continuous production.



NURSERY & SEEDLINGS

High-quality seedlings for strong start and high yield potential.



SERVICE & FACILITIES

Complete infrastructure for packaging, office, social and technical areas.



TRANSPORT & VEHICLES

Reliable equipment and vehicles for efficient logistics and operations.

MODERN GREENHOUSE SYSTEMS



FULLY AUTOMATIC HYDROPONIC SALAD GROWING SYSTEM

High-tech hydroponic solutions delivering year-round, high-quality salad production with maximum efficiency and hygiene.



SOILLESS & CLEAN PRODUCTION

Hydroponic growing ensures pesticide-free, high-quality and consistent yield.



FULLY AUTOMATED OPERATIONS

Automated seeding, growing, climate control, and harvesting for maximum efficiency.



OPTIMAL GROWING CONDITIONS

Precise nutrient delivery, lighting, temperature and humidity control for perfect growth.



HIGH YIELD & SUSTAINABLE

Year-round production with lower water and energy consumption and reduced waste.



FRESH & HEALTHY

Crisp, clean and fresh lettuce with superior taste and nutritional value.



FOOD SAFETY

Closed system production minimizes contamination risks and ensures safety.



RESOURCE EFFICIENT

Up to 90% less water usage and optimized energy consumption.



SUSTAINABLE FUTURE

Environmentally responsible solutions for a greener and more sustainable agriculture.

MODERN GREENHOUSE SYSTEMS



Artcan Agriculture collaborates on project-based partnerships with numerous companies specializing in modern greenhouse technologies, primarily from the **Netherlands**, but also from **Italy** and **Turkey**.



MODERN GREENHOUSE PRODUCT



- **Artcan Agriculture** provides solutions for production, consultancy, and greenhouse operation after the completion of modern greenhouse projects.
- For modern greenhouse projects, **consultants, trainers, and production managers** who are experts in their fields are assigned to produce greenhouse vegetables, strawberries, herbs, lettuce, and cut flowers.



EXPERT CONSULTANTS
Professional solutions
tailored to your projects



TRAINERS
On-site training and guidance
by experienced professionals



PRODUCTION MANAGERS
Maximum yield and quality
with expert management



HIGH QUALITY PRODUCTION
Fresh vegetables, strawberries,
herbs, lettuce and cut flowers

MODERN GREENHOUSE PRODUCT



🌿 We conduct the **taste tests** of each variety with care.



🌿 We grow **delicious and aromatic products** in modern greenhouses, tailored to consumer preferences.



TOMATOES



CHERRY & COCKTAIL TOMATOES



HEIRLOOM TOMATOES



STRAWBERRIES



CUCUMBERS



SWEET & LONG PEPPERS



EGGPLANTS



SUPERIOR TASTE

Carefully tested for excellent flavor and quality.



FRESH & AROMATIC

Grown in optimal conditions for maximum freshness.



SAFE & HEALTHY

Produced with integrated pest management practices.



CONSUMER FOCUSED

Tailored to meet market needs and consumer preferences.



GROWN IN MODERN GREENHOUSES

Advanced technology ensures consistency and high yield.

MODERN GREENHOUSE PRODUCT



BIOLOGICAL CONTROL APPLICATION

- We produce without using pesticides through biologic control.
- We control pests with predator insects.



SUSTAINABLE

Environmentally friendly solutions that support natural balance.



SAFE & EFFECTIVE

Safe for humans, plants and beneficial insects when used correctly.



TARGETED CONTROL

Predator insects target pests specifically and reduce their population.



REDUCED RESIDUE

Helps minimize chemical residues and supports clean production.



INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY



MODERN SHELTER DESIGNS

Climate-controlled, animal welfare-maximizing (free-stall) barn structures.



SMART MILKING AND MILK PROCESSING

Automated milking robots, cooling tanks, and hygienic milk processing lines.



MEAT PROCESSING FACILITY

Modern, hygienic, high-tech, high-value processes.



FEED MILLS AND RATION MANAGEMENT

Digital systems that produce their own feed and prepare rations according to each animal's needs.



FORAGE CROP PRODUCTION

To minimize animal feed costs, which are a primary expense.



ENERGY SOLUTIONS

Biogas plants and solar energy.

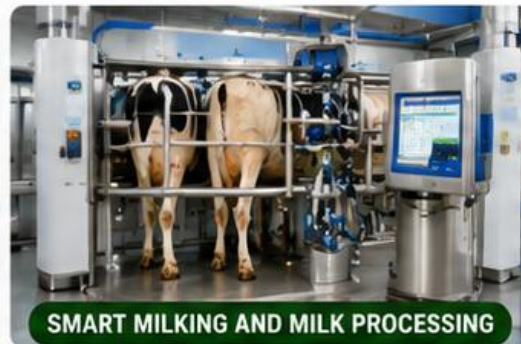


WASTE MANAGEMENT

Conversion of animal waste into organic fertilizer.



MODERN SHELTER DESIGNS



SMART MILKING AND MILK PROCESSING



MEAT PROCESSING FACILITY



FEED MILLS AND RATION MANAGEMENT



FORAGE CROP PRODUCTION



ENERGY SOLUTIONS



WASTE MANAGEMENT



HIGHER PRODUCTIVITY

Modern systems increase animal health and productivity.



ANIMAL WELFARE

Comfortable, safe and hygienic environments for animals.



SUSTAINABLE OPERATIONS

Efficient resource use for long-term and responsible production.



COST EFFICIENCY

Lower feed, energy and waste costs increase profitability.



ENVIRONMENTAL BENEFIT

Low-impact, circular systems for a cleaner future.

INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



MODERN SHELTER DESIGNS

Climate control, ventilation and optimal designs to maximize animal comfort and performance.

CLIMATE CONTROL & VENTILATION

Advanced ventilation and climate systems ensure stable conditions and reduce heat stress.

BIOSECURITY & DISEASE CONTROL

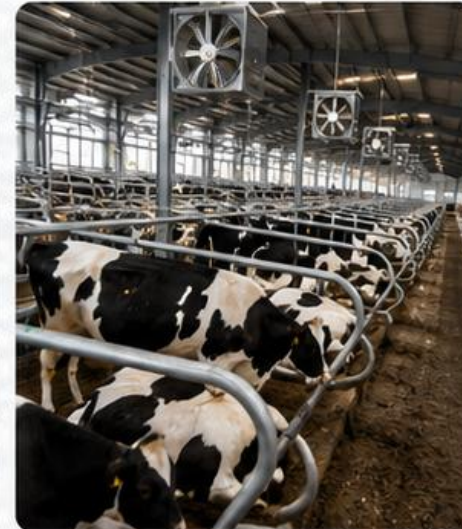
High biosecurity standards and smart monitoring to protect herd health and prevent disease.

AUTOMATION & RESOURCE EFFICIENCY

Smart automation systems optimize labor, time and resource usage for maximum efficiency.

ANIMAL WELFARE & PRODUCTIVITY

Welfare-focused environments enhance animal well-being, productivity and sustainable profitability.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



SMART MILKING AND MILK PROCESSING

Robotic & Rotary Milking: Automation maximizing farm yield and animal welfare.

Real-Time Health Sensors: IoT data tracking milk quality and herd wellness.

Smart Plant Processing: AI-driven pasteurization, sorting, and predictive maintenance.

End-to-End Traceability: Blockchain and continuous cold chain monitoring from farm to glass.

Eco-Friendly Efficiency: Green energy integration and automated zero-waste production.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



MEAT PROCESSING FACILITY

Automated Processing Lines: Robotics driving speed, precision cutting, and labor efficiency.

Continuous Cold Chain: Strict IoT temperature controls preventing spoilage and fire.

360° Traceability Systems: Digital tracking from farm source to final packaged product.

Value-Added Production: Advanced processing for premium products (sausage, pastrami) to boost margins.

Sustainable Waste Management: Rendering converting waste into green energy.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



FEED MILLS AND RATION MANAGEMENT

Automated Ingredient Dosing: Precision micro-dosing systems ensuring exact nutrient ratios.

NIR Real-Time Analysis: Near-Infrared sensors checking raw material quality instantly.

Dynamic Ration Software: AI-driven formulation adjusting recipes based on animal performance.

Biosecurity Heat Treatment: Thermal processing eliminating pathogens in feed pellets.

Traceability & Smart Silos: Inventory tracking from raw grains to final batches.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



FORAGE CROP PRODUCTION



Precision Planting & Irrigation: GPS-guided seeding and smart pivots maximizing dry matter yield.



Drone-Based Field Monitoring: Multispectral crop imaging analyzing plant health and maturity.



Optimal Harvest Timing: Alfalfa and silage moisture tracking for peak nutritional value.



Advanced Silage Inoculants: Biological additives preserving silage quality and preventing spoilage.



Smart Storage Solutions: High-density bunker silos and oxygen-barrier films cutting dry matter loss.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



ENERGY SOLUTIONS



Biogas Waste-to-Energy: Converting livestock manure into continuous electricity and thermal energy.



Solar Rooftop Integration: Installing PV panels on large barn roofs for self-consumption.



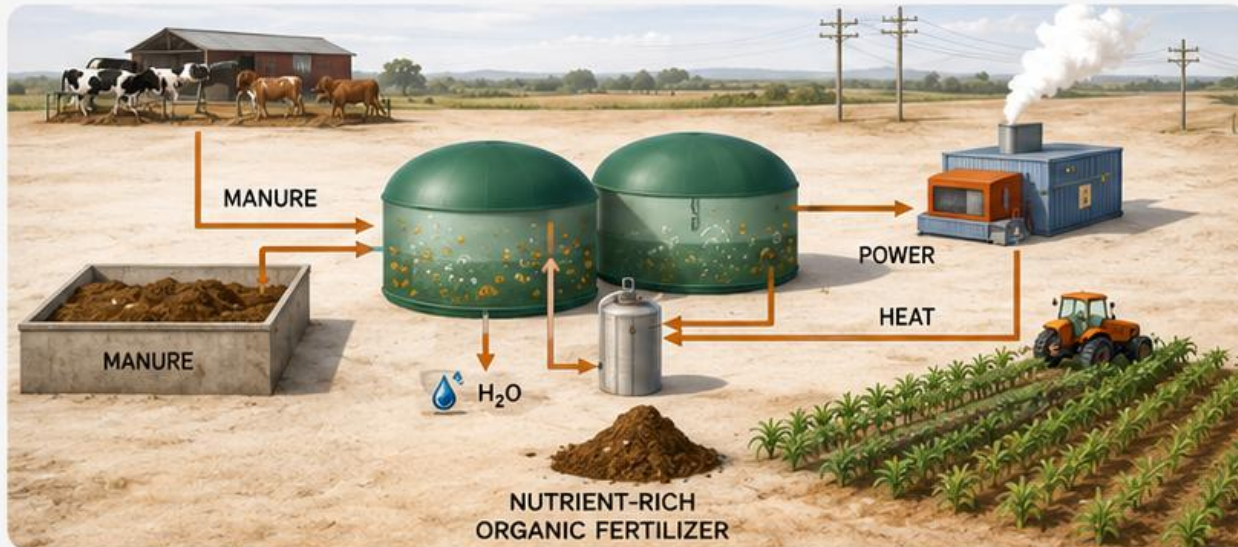
Heat Recovery Systems: Capturing warmth from raw milk cooling to heat facility water.



Smart Grid Automation: Utilizing AI to optimize energy loads between mills and processing.



Biomass Pellet Production: Processing crop residues into eco-friendly fuel for boilers.



INTEGRATED LIVESTOCK FACILITIES TECHNOLOGIES



WASTE MANAGEMENT



Anaerobic Manure Digestion: Converting raw livestock waste into nutrient-rich organic fertilizer.



Solid-Liquid Separation: Screw-press systems dividing manure into bedding fibers and liquid nutrients.



Odor and Emission Scrubbers: Advanced bio-filters trapping ammonia and greenhouse gases inside barns.



Processing Wastewater Treatment: Multi-stage purification plants recycling water used in meat and dairy facilities.



Rendering Sub-Products: Processing processing-plant offal into high-protein animal meals and industrial fats.



INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY; PRODUCTION MANAGEMENT



POST-COMMISSIONING OPERATIONAL SUPPORT & TRAINING



Seamless Transition to Full Operation: We ensure a smooth handover and ramp-up to full operational performance with minimal disruption.



Beyond Construction: Our partnership does not end when the facility is built. We ensure long-term profitability through elite management and technical oversight.



Risk Mitigation: Expert-led operations minimize early-stage errors, equipment downtime, and biological risks during the critical startup phase.



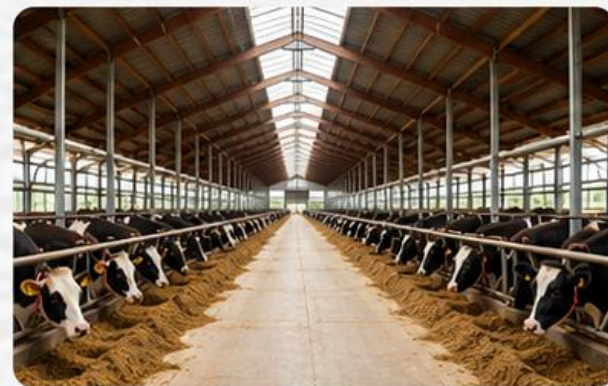
Expert Consultant & Technical Management Support: Ongoing advisory and technical support to optimize efficiency and productivity.



Advanced Personnel Training & Capacity Building: Customized training programs to empower your team with the knowledge and skills for operational excellence.



Standard Operating Procedures Implementation: Implementation of SOPs to ensure consistency, compliance, and continuous improvement.



INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY; TECHNOLOGICAL SYSTEMS

Our group works with leading global companies from



Netherlands, Germany, Switzerland, Italy and Turkey
in integrated meat and dairy farming facilities, ranging from farm automation to industrial processing lines.



MILKING, HERD MANAGEMENT AND BARN TECHNOLOGIES



DeLaval (Sweden):

Smart milking robots, rotary milking platforms, herd management software, and udder health sensors



GEA Farm Technologies (Germany):

Milking systems, monobox milking robots, and integrated milk cooling/storage



Lely (Netherlands):

Astronaut series milking robots, automatic feeding, and barn cleaning robots



Nedap (Netherlands):

Sensor technologies for animal welfare, estrus, and rumination tracking with smart ear tags and collars



Kurtsan Agriculture (Turkey):

Conventional milking parlors, automatic separator doors, herd management collars, cattle barn interior mechanization



INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY; TECHNOLOGICAL SYSTEMS



FEED MILLS AND RATION MANAGEMENT



Bühler Group (Switzerland):

Grain processing and industrial feed mill technologies



Van Aarsen (Netherlands):

Modern feed mill, dosing and precision mixing systems



Yemmak (Turkey):

Compound feed, roughage and premix plants



Yemsa Makina (Turkey):

High-efficiency industrial pellet mills, raw material crushers and vertical mixer units



FORAGE AND FIELD MECHANIZATION



Alpler Agricultural Equipment (Turkey):

Modern equipment for soil preparation of land where forage crops will be planted.



Fimaks (Turkey):

Self-propelled or towed type feed mixing and distribution wagons for on-farm rationing, silage packing machines and roughage harvesting equipment.



INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY; TECHNOLOGICAL SYSTEMS



RED MEAT PROCESSING AND SLAUGHTERHOUSE SYSTEMS



CANTEK®



Cantek Group:

Industrial cooling systems,
modern slaughterhouse and
meat processing solutions



TEKNOTES



Teknotes Group:

Beef slaughterhouse machines,
conveyor lines and hygienic
meat processing systems
that comply 100% with
halal slaughter standards



100% HALAL
SLAUGHTER STANDARDS



ARI
MAKINA



Ari Makina:

Industrial meat cutting and
slicing machines, conveyor
lines and integrated meat
processing equipment



FOOD SAFETY

International standards
for hygiene and safety



HIGH EFFICIENCY

Automated systems for
maximum productivity



COLD CHAIN INTEGRATION

From slaughter to storage
with reliable temperature control



HALAL COMPLIANT

Systems designed to meet
halal slaughter requirements



AFTER SALES SUPPORT

Installation, training and
technical support

INTEGRATED LIVESTOCK FACILITIES FOR MEAT AND DAIRY; LIVE ANIMAL SUPPLY



Our group works with companies from **Brazil, Netherlands, and Germany** to supply calves for meat and milk production in our integrated livestock projects. Different breeds are sourced from different countries for different climate zones.



DAIRY-FOCUSED BREEDS (HIGH YIELD)

- High milk production potential
- Excellent udder quality
- Adapted for intensive dairy systems



Sourced from top dairy regions
in **Netherlands** and **Germany**



BEEF-FOCUSED BREEDS (FAST FATTENING & HEAVY TONNAGE)

- Fast growth and feed conversion
- High carcass yield
- Ideal for beef production systems



Sourced from proven beef genetics
in **Brazil** and **Germany**



DUAL-PURPOSE BREEDS (BOTH BEEF & MILK)

- Balanced milk and meat production
- Strong adaptation to diverse systems
- Cost-effective and versatile



Sourced from dual-purpose breeds
across **Brazil** and **Netherlands**



LOCAL CROSSBREEDING (INDUSTRIAL F1 CALVES)

- Crossbreeding for climate resilience
- Higher growth and disease resistance
- Optimized for local environments



F1 calves developed for industrial
systems and local conditions



QUALITY GENETICS

Sourced from trusted global
breeding partners.



HEALTH & BIOSECURITY

Strict health protocols and
disease-free supply.



CLIMATE ADAPTATION

Breeds selected for high
performance in target zones.



RELIABLE LOGISTICS

Safe transportation and on-time
delivery to your facilities.



LONG-TERM PARTNERSHIP

Continuous support for sustainable
and profitable operations.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT

BIOSECURE. EFFICIENT.



SUSTAINABLE. PROFITABLE.

End-to-end integrated solutions for modern poultry production delivering high performance, animal welfare, and food safety.



BROILER PRODUCTION COMPLEXES

High-tech facilities designed for rapid, biosecure, and efficient poultry meat production.



LAYER FARMS

Specialized industrial farms optimized for continuous, high-yield commercial egg supply.



HATCHERIES

Advanced bio-secure centers focused on incubation and producing healthy, vaccinated day-old chicks.



FEED MILLS

Strategic manufacturing hubs producing precision-formulated nutrition to maximize poultry growth and health.



SLAUGHTERHOUSES

Highly automated processing plants ensuring humane slaughter, food safety, and cold-chain integrity.



EGG PROCESSING & PACKAGING

Automated grading and packing centers that prepare eggs safely for the consumer market.



SOLAR + BIOGAS INTEGRATION

Green energy systems transforming poultry waste and sunlight into sustainable, cost-saving power.



BROILER PRODUCTION COMPLEXES



LAYER FARMS



HATCHERIES



FEED MILLS



SLAUGHTERHOUSES



EGG PROCESSING & PACKAGING



SOLAR + BIOGAS INTEGRATION

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



BROILER PRODUCTION COMPLEXES



These are **modern facilities** dedicated to rearing high-yield hybrid poultry for meat production.



Biosecurity and **animal welfare** standards are strictly maintained at the highest levels.



Automated feeding, watering, and climate control systems are utilized throughout.



The primary goal is to **maximize body weight** while minimizing the feed conversion ratio.



They form the backbone of a **sustainable** and **uninterrupted** poultry meat supply chain.



HIGH-YIELD HYBRIDS
Carefully selected for fast growth and superior meat quality.



ADVANCED BIOSECURITY
Multi-layered protection systems to ensure a healthy and safe environment.



FULLY AUTOMATED SYSTEMS
Precision feeding, watering, climate control and monitoring for optimal performance.



OPTIMAL PERFORMANCE
Maximized body weight with improved feed conversion efficiency.



SUSTAINABLE SUPPLY CHAIN
Reliable, efficient and continuous production for long-term food security.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT

LAYER FARMS



INDUSTRIAL FACILITIES: These are industrial facilities established specifically for commercial egg production.



PRECISE MANAGEMENT: A precise management process is followed from the chick stage up to the laying period.



OPTIMIZED EGG YIELD: Daylight simulation and specialized rations are used to optimize egg yield.



FLEXIBLE PRODUCTION MODELS: Production models include caged, barn, or free-range systems depending on market demand.



RELIABLE SUPPLY: This is a critical investment that ensures a continuous daily supply of fresh eggs.



MODERN FARM COMPLEXES
Designed for maximum productivity and biosecurity.



DAYLIGHT SIMULATION
Controlled lighting programs for higher laying performance.



SPECIALIZED NUTRITION
Balanced rations for stronger health and higher egg quality.



HIGH BIOSECURITY
Strict biosecurity protocols to protect flock health.



HIGH EGG PRODUCTION
Optimized systems for higher laying rate and uniformity.



AUTOMATED SYSTEMS
Automated feeding, watering, collection and climate control.



ANIMAL WELFARE
Designed for the comfort and well-being of the flock.



CONSISTENT SUPPLY
Ensures a continuous daily supply of fresh eggs.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



HATCHERIES



HIGH-TECH CENTERS: These are high-tech centers where fertilized eggs are transformed into healthy chicks.



AUTOMATED ENVIRONMENT CONTROL:

Temperature, humidity, ventilation, and egg-turning are controlled via computerized systems.



STRICT HYGIENE PROTOCOLS: Strict hygiene protocols guarantee a disease-free start for the entire flock.



VACCINATION & SHIPPING: Newly hatched chicks are vaccinated and immediately shipped to broiler or layer farms.



CRITICAL VALUE LINK: This is the initial and most sensitive link in the poultry value chain.



HEALTHY START

Fertilized eggs carefully incubated for strong, healthy chicks.



PRECISE ENVIRONMENT CONTROL

Computerized systems maintain ideal conditions for optimal hatchability.



SAFE & VACCINATED CHICKS

Vaccinated, quality-checked chicks ready for immediate delivery.



BIOSECURE FACILITY

Advanced biosecurity to protect against diseases.



OPTIMAL HATCHABILITY

Controlled conditions ensure high hatch rates and quality.



AUTOMATED SYSTEMS

Full automation for incubation, egg turning, and monitoring.



VACCINATION PROGRAM

Chicks are vaccinated against common poultry diseases.



FAST & SAFE DELIVERY

Immediate transport to broiler or layer farms with care.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



FEED MILLS



CUSTOMIZED FEED RATIONS: These facilities produce customized feed rations tailored to different poultry types and ages.



PRECISE PROCESSING: Raw materials are meticulously analyzed, dosed, mixed, and pelletized.



NUTRITION STRATEGIES: Correct nutrition strategies directly determine the growth and yield performance of the animals.



COST & LOGISTICS MANAGEMENT: Investment profitability heavily relies on raw material logistics and cost management in these mills.



STRATEGIC HUB: This is a strategic hub that manages the highest cost driver in integrated poultry operations.



PRECISION NUTRITION. BETTER PERFORMANCE. HIGHER PROFITABILITY.



RAW MATERIAL ANALYSIS
Quality control at every step.



PRECISE PROCESSING
Dosing, mixing & pelletizing for uniform quality.



OPTIMAL NUTRITION
Balanced rations for growth, health & feed efficiency.



BETTER PERFORMANCE
Improved growth, higher yield & stronger immunity.



QUALITY ASSURANCE
Strict quality control ensures safe and consistent feed.



COST EFFICIENCY
Optimized formulations and procurement reduce costs.



RAW MATERIAL LOGISTICS
Efficient supply chain management ensures uninterrupted production.



MAXIMUM PERFORMANCE
Better feed = better growth, yield and productivity.



HIGHER PROFITABILITY
Effective cost management increases overall returns.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



SLAUGHTERHOUSES



ADVANCED PROCESSING FACILITIES: These are processing facilities where fully-grown broilers are processed using humane and hygienic methods.



AUTOMATED OPERATIONS: Slaughtering, defeathering, evisceration, and portioning are performed using advanced automation.



FOOD SAFETY COMPLIANCE: Full compliance with food safety standards (such as HACCP and Halal) is mandatory.



COLD CHAIN PRESERVATION: Cold chain preservation starts at this stage to ensure product quality and shelf life.



VALUE CREATION: This is the core center that transforms live animals into consumer-ready, branded products.



HUMANE & HYGIENIC PROCESSING

Animal welfare is our priority at every step.



FOOD SAFETY ASSURANCE

HACCP standards and Halal compliance ensure safe products.



COLD CHAIN & QUALITY

Integrated cold chain maintains freshness, quality, and extends shelf life.



FOOD SAFETY FIRST

Strict hygiene and safety protocols at every stage.



FULLY AUTOMATED

Advanced automation for higher efficiency and consistency.



COLD CHAIN INTEGRATED

Temperature-controlled systems from processing to storage.



REGULATORY COMPLIANCE

Compliant with HACCP, Halal and international standards.



CONSUMER READY

High-quality, branded products ready for the market.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



EGG PROCESSING & PACKAGING



SORTING, CLEANING & PACKING: This is the area where eggs from the farms are sorted, cleaned, and packed.



ADVANCED DETECTION SYSTEMS: Advanced cameras and acoustic systems automatically detect and remove cracked, dirty, or defective eggs.



GRADING BY WEIGHT: Eggs are graded by weight into standard sizes like Small, Medium, Large, and Extra Large.



INDUSTRIAL CONVERSIONS: Industrial product conversions, such as egg powder or liquid egg, can also be performed here.



RETAIL SHOWCASE & SAFETY: This stage acts as the retail showcase, ensuring eggs reach shelves safely, hygienically, and attractively.



SMART INSPECTION

Advanced cameras and acoustic technology ensure only perfect eggs pass.



WEIGHT GRADING

Accurate grading by weight into Small, Medium, Large, and Extra Large.



PRODUCT CONVERSIONS

Egg powder, liquid egg, and other industrial products produced on-site.



SAFE & ATTRACTIVE PACKAGING

Hygienic packing and attractive presentation ensure retail appeal and consumer trust.



QUALITY ASSURANCE

Strict quality control at every step for safe and premium eggs.



AUTOMATED SYSTEMS

Fully automated lines increase efficiency and reduce human error.



DEFECT DETECTION

Crack, dirt, and defects automatically detected and removed.



HYGIENIC PROCESSING

Hygienic conditions maintained to protect egg quality.



CONSUMER READY

Packaged for freshness, shelf life, and retail excellence.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT



SOLAR + BIOGAS INTEGRATION



GREEN INITIATIVE: This green initiative reduces the carbon footprint and lowers energy costs for poultry investments.



SOLAR POWER: Rooftop solar panels (PV systems) supply the electricity needed for daytime facility operations.



BIOGAS FROM FARM WASTE: Farm waste, such as poultry manure, is processed in biogas plants to generate electricity, heat, and organic fertilizer.



BUSINESS PROTECTION: This integration protects the business from energy crises and supports a circular economy.



ESG LEADERSHIP: It serves as a flagship model for sustainability incentives and ESG (Environmental, Social, and Governance) vision.



CLEAN ENERGY. LOWER COSTS. STRONGER FUTURE.



REDUCED CARBON FOOTPRINT
Lower emissions through renewable energy and waste-to-energy.



LOWER ENERGY COSTS
Solar and biogas reduce dependency on grid electricity.



CIRCULAR ECONOMY
Waste is converted into valuable energy and organic fertilizer.



ENERGY SECURITY
Protects operations from energy price volatility and outages.



ESG & INCENTIVES
Supports ESG goals and unlocks sustainability incentives.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; PRODUCTION MANAGEMENT



POST-COMMISSIONING OPERATIONAL SUPPORT & TRAINING

Following the turnkey installation of your fully integrated poultry facilities, we stand by you to ensure long-term success and high efficiency.



EXPERT CONSULTANCY

Continuous consultancy in management, biosecurity, and operational processes.



BIOSECURITY SUPPORT

Guidance on biosecurity protocols and best practices to protect your flock.



OPERATIONAL OPTIMIZATION

Process evaluation and improvement for maximum efficiency and productivity.



THEORETICAL & PRACTICAL TRAINING

Comprehensive training programs to build a skilled, confident, and capable team.



RISK MANAGEMENT & PROFITABILITY

Hands-on support to minimize production risks while safeguarding profitability and sustainability.



OUR GOAL: MAXIMIZE OPERATIONAL QUALITY,
PROTECT YOUR INVESTMENT, AND SECURE LONG-TERM SUCCESS.



HIGHER
EFFICIENCY



BETTER
PRODUCTIVITY



LOWER
RISKS



SUSTAINABLE
OPERATIONS



STRONGER
PROFITABILITY



HANDS-ON TRAINING

Practical training for confident and skilled operations.



OPERATIONAL GUIDANCE

Expert guidance to optimize processes and performance.



BIOSECURITY ASSURANCE

Best practices to ensure flock health and safety.



TEAM EMPOWERMENT

Building a strong team for long-term success and growth.



LONG-TERM SUCCESS

Sustainable strategies for continued growth.



QUALITY ASSURANCE

Consistent quality through effective management.



COST OPTIMIZATION

Improved processes reduce costs and waste.



CONTINUOUS IMPROVEMENT

Ongoing support for innovation and better results.



FUTURE READY

Prepared for challenges, focused on opportunities.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; TECHNOLOGICAL SYSTEMS



Our group works with leading global companies from the Netherlands, Germany, Sweden, Italy, and Turkey on integrated poultry projects, ranging from farm automation to industrial processing lines.



EGG PRODUCTION, CAGE AND AUTOMATED COLLECTION SYSTEMS

Chick rearing, caged or free-range/aviary egg production systems.



FACCO POULTRY EQUIPMENT (ITALY)

Offers modern poultry equipment. Advanced, technologically advanced egg-laying chicken facilities suitable for all climate conditions.



BIG DUTCHMAN (GERMANY)

Cage-free aviary systems, automated egg collection conveyors, feeding and manure drying technologies.



MOBA GROUP (NETHERLANDS)

Egg grading, packaging and sorting machines. Classifies hundreds of thousands of eggs per hour flawlessly by scanning for cracks, dirt or blood stains using artificial intelligence and omnia cameras.



TAVSAN (TURKEY)

Upgradable Laying Hen Cage Systems with Feeding, Watering and Climate Control Automation.



GÜRES TECHNOLOGY (TURKEY)

Fully automatic egg laying cage systems, manure drying and enriched cage equipment.



AVIARY & CAGE-FREE SYSTEMS



AUTOMATED EGG COLLECTION CONVEYORS



AI EGG GRADING & SORTING SYSTEMS



FEEDING, WATERING & CLIMATE CONTROL



MANURE DRYING TECHNOLOGIES



FULLY AUTOMATED CAGE SYSTEMS



ADVANCED TECHNOLOGY

Modern systems for higher efficiency and reliability.



HIGH PERFORMANCE

Improved productivity and consistent egg quality.



ANIMAL WELFARE

Designed for bird comfort and health.



SUSTAINABLE SOLUTIONS

Lower environmental impact and resource efficiency.



GLOBAL SUPPORT

Expert support and spare parts supply worldwide.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; TECHNOLOGICAL SYSTEMS



BROILER (MEAT POULTRY) AND POULTRY HOUSE EQUIPMENT

Automation systems that maximize feeding, watering, and animal welfare in broiler chicken farming.



CHORE-TIME EUROPE (NETHERLANDS/GLOBAL)

Optimized feed distribution systems, weight control sensors, and in-house logistics units for broiler chicken production.



VDL AGROTECH (NETHERLANDS)

Known for its highly durable Valenta pan feeding systems. Feeding systems that ensure homogeneous feed distribution throughout the poultry house. Closed nipple irrigation systems that provide automatic medication and precise water consumption monitoring.



EFEM MAKİNA (TURKEY)

Modern pan feeding systems, nipple watering lines, and automated computerized poultry house management panels for broiler chicken houses.



ZİMMET POULTRY EQUIPMENT (TURKEY)

Automated feeding, stainless steel watering systems, and in-house logistics mechanization for broiler and breeding poultry houses.



CHORE-TIME EUROPE
(NETHERLANDS/GLOBAL)

- ✓ Optimized feed distribution systems
- ✓ Weight control sensors
- ✓ In-house logistics units



VDL AGROTECH
(NETHERLANDS)

- ✓ Valenta pan feeding systems
- ✓ Closed nipple irrigation systems
- ✓ Automatic medication
- ✓ Precise water monitoring



EFEM MAKİNA
(TURKEY)

- ✓ Modern pan feeding systems
- ✓ Nipple watering lines
- ✓ Automated computerized management panels



ZİMMET POULTRY EQUIPMENT
(TURKEY)

- ✓ Automated feeding systems
- ✓ Stainless steel watering systems
- ✓ In-house logistics mechanization
- ✓ For broiler & breeding houses



HIGH PERFORMANCE

Advanced systems that increase productivity and feed efficiency.



ANIMAL WELFARE

Designed for bird comfort, health, and stress-free environments.



DURABILITY & RELIABILITY

Long-lasting, high-quality materials for continuous operation.



SMART AUTOMATION

Intelligent control systems for real-time monitoring and better decision-making.



COST EFFICIENCY

Reduces labor and operational costs while improving overall farm profitability.



GLOBAL TECHNOLOGY

Proven technologies from leading companies worldwide, local support, global standards.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; TECHNOLOGICAL SYSTEMS



HATCHERY TECHNOLOGIES



The starting point of integrated meat and egg facilities, providing high hatchability and biosecurity.



ROYAL PAS REFORM (NETHERLANDS)

The company that developed the world's first "Smart Start" concept. A supplier of embryo temperature-focused incubators, automated egg transfer lines, and hatchery climate control systems.



CIMUKA INCUBATOR (TURKEY)

Industrial and semi-industrial incubators, setter (development) and hatcher (hatching) cabinets, digital humidity/temperature control software.



INCUBATOR WORLD (TURKEY)

Fully automatic, single-stage industrial incubation systems and hatchery automation lines.



EMBRYO TEMPERATURE-FOCUSED INCUBATORS



SETTER & HATCHER CABINETS



AUTOMATED EGG TRANSFER LINES



DIGITAL HUMIDITY & TEMPERATURE CONTROL



HIGH HATCHABILITY & BIOSECURITY



HIGH HATCHABILITY
Advanced technology for maximum hatch rates



BIOSECURITY
Protects chicks from disease and contamination



PRECISE ENVIRONMENT CONTROL
Accurate temperature and humidity management



FULL AUTOMATION
Intelligent systems for efficiency, accuracy and reliability



SUSTAINABLE & RELIABLE
Consistent performance for long-term success

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; TECHNOLOGICAL SYSTEMS



POULTRY HOUSE AIR CONDITIONING AND BIOSECURITY

(HVAC) Ventilation systems that reduce mortality and improve feed conversion ratio (FCR) in poultry farming.



MUNTERS (SWEDEN)

In-house climate control systems for poultry farms. Critical biosecurity and air comfort equipment for integrated facilities, including cooling pads, high-efficiency fans, and humidity control systems.



BORA VENTILATION (TURKEY)

High-flow exhaust fans, circulation fans, and cellulosic cooling pads for poultry houses to maintain humidity balance inside the coop.



FRIVENT / MIDI AIR CONDITIONING (TURKEY)

PLC-controlled intelligent climate control units and heat recovery poultry house ventilation devices for heating large integrated poultry houses in winter and cooling them with tunnel ventilation in summer.

MUNTERS (SWEDEN)



Climate Control



Humidity Control



Biosecurity & Air Comfort

- ✓ Cooling pads for efficient evaporative cooling
- ✓ High-efficiency ventilation fans
- ✓ Humidity control systems
- ✓ Improved FCR and reduced mortality

BORA VENTILATION (TURKEY)



High-Flow Exhaust Fans



Circulation Fans



Cooling Pad Solutions

- ✓ High-performance exhaust fans
- ✓ Circulation fans for uniform air distribution
- ✓ Cellulosic cooling pads
- ✓ Maintains optimal humidity balance

FRIVENT / MIDI AIR CONDITIONING (TURKEY)



PLC Control



Heat Recovery



Tunnel Ventilation

- ✓ PLC-controlled intelligent climate units
- ✓ Heat recovery for energy efficiency
- ✓ Tunnel ventilation for summer cooling
- ✓ Ideal for large integrated poultry houses



IMPROVED PERFORMANCE

Optimized climate control improves FCR and overall productivity.



ANIMAL WELFARE

Stable temperature, humidity, and air quality ensure better bird health.



BIOSECURITY

Controlled air systems reduce disease risks and keep your flock protected.



ENERGY EFFICIENCY

Smart ventilation and heat recovery systems lower energy consumption.



COST SAVINGS

Lower mortality, better FCR, and energy savings increase profitability.



ALL-SEASON SOLUTIONS

Heating in winter, cooling in summer—comfortable climate all year.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; TECHNOLOGICAL SYSTEMS



POULTRY MEAT PROCESSING AND PACKAGING FACILITIES

Integrated lines operating without human intervention, from slaughterhouse to deli production.



MAREL POULTRY (ICELAND/NETHERLANDS)

Fully automated slaughtering, defeccating, organ removal, robotic bone removal and portioning lines capable of processing up to **15,000** chickens per hour.



BAADER (GERMANY)

High-speed, hygienic design and precise weighing/sorting lines in the poultry processing industry with **Linco** Food Systems integration.



MEYN (NETHERLANDS)

Poultry (chicken, turkey) slaughterhouse technologies, wall-mounted and conveyor-based automation from foot cutting to breast tenderizing.



CANTEK GROUP (TURKEY)

As with red meat, poultry (chicken/turkey) slaughterhouses and advanced processing (delicatessen/cutting) lines. The facilities have **-40 degree** shock freezing chambers and intelligent cold chain logistics technology.



TEKNOTES (TURKEY)

Automatic slaughtering, feather removal, internal organ removal and water/air cooling (chilling) lines fully compliant with halal slaughter standards.

SLAUGHTERING & DEFECATING



Fully automated process



Hygienic & safe design



Up to 15,000 chickens/hour

WEIGHING, SORTING & QUALITY CONTROL



Precise weighing



Smart sorting & quality control



High-speed performance

CUTTING & PORTIONING



Robotic bone removal



Accurate portioning



Consistent product quality

TENDERIZING & FURTHER PROCESSING



Breast tenderizing



Conveyor-based automation



Integrated line solutions

SHOCK FREEZING (-40°C)



-40°C shock freezing



Fast freezing for freshness



Food safety assured

PACKAGING & DELI PRODUCTION



Automatic packaging



Deli production solutions



Hygienic & reliable



HIGH CAPACITY

Process up to 15,000 chickens per hour.



HYGIENIC DESIGN

Meets international food safety and halal standards.



FULL AUTOMATION

Minimizes human contact, maximizes efficiency.



COLD CHAIN EXCELLENCE

-40°C shock freezing and intelligent logistics.



TRACEABILITY

Complete traceability from farm to final product.



GLOBAL TECHNOLOGY

Partnership with leading global equipment manufacturers.

INTEGRATED POULTRY FACILITIES FOR EGG AND MEAT ; SUPPLY OF BREEDING EGGS AND CHICKS



In the integrated meat and egg poultry (broiler and laying hen) industry, we produce day-old chicks (Day-Old Chicks) or breeding hatching eggs at the “Parent Stock - PS” level. For this purpose, we work with companies in the Netherlands, Germany, and France to supply High-Yield Combined and Alternative Lines.



HENDRIX GENETICS (NETHERLANDS)

A global giant in the egg industry.

Pluvia Industrial Livestock Export Group (Netherlands): Provides weekly logistics of hundreds of thousands of breeding hatching eggs from Dutch hatcheries to West African ports and airports, maintaining the hot chain.



EW GROUP / LOHMANN BREEDERS (GERMANY)

A giant group that supplies the genetics of approximately 70% of the world's laying hens. The Lohmann Brown (Brown laying hen) and Lohmann Sandy lines are very popular due to their warm climate resilience and high feed efficiency.



SASSO (HENDRIX GENETICS COMPANY, FRANCE)

A world leader in “Colored Broiler” breeding stock specifically bred for tropical climates.



RELIABLE SUPPLY & GLOBAL LOGISTICS

Weekly supply, strict biosecurity, temperature-controlled transport, and complete documentation for safe and reliable delivery.



WE SUPPLY

- ✓ Day-Old Chicks
- ✓ Breeding Hatching Eggs (Parent Stock – PS Level)
- ✓ High-Yield Combined and Alternative Lines

LOHMANN BROWN (BROWN LAYING HEN)



LOHMANN SANDY (WHITE LAYING HEN)



COLOR BROILER SASSO



SUPERIOR GENETICS

High performance, disease resilience, and better feed conversion.



HIGH HATCHABILITY

Parent stock quality ensures high hatch rates and healthy chicks.



BIOSECURITY ASSURED

Strict hygiene, vaccination programs, and controlled environments.



COLD CHAIN DELIVERY

Maintained temperature and timely logistics to protect egg viability.



COMPLETE DOCUMENTATION

Health certificates, hatchery reports, and export documents provided.



GLOBAL PARTNERSHIP

Working with leading genetic companies for long-term reliable supply.

MODERN FRUIT FARMING AND CONTROLLED ORCHARDS



Leveraging our experts' years of hands-on experience, we manage extensive agricultural lands and adapt horticultural practices to widely differing climate zones. Our approach to modern fruit farming relies on controlled orchard systems that maximize crop quality, optimize resource efficiency, and mitigate environmental risks. We deliver turnkey, sustainable solutions that turn global agricultural challenges into predictable, high-yield successes.



HIGH-DENSITY PLANTING Modern orchard facilities on dwarf and semi-dwarf rootstocks.



FROST AND SUN PROTECTION Hail nets, sunshade systems.



SMART IRRIGATION AND FERTILIZATION Fertigation systems that provide the soil with the water and nutrients it needs according to sensor data.



POST-HARVEST SOLUTIONS Cold storage facilities and atmosphere-controlled storage areas. Product packaging and processing facilities.



**MODERN ORCHARD
FACILITIES**



**PROTECTION
SYSTEMS**



**SMART IRRIGATION
SYSTEMS**



**POST-HARVEST
SOLUTIONS**



MAXIMIZED YIELDS
Controlled systems ensure consistent, high-quality production.



RESOURCE EFFICIENCY
Optimize water, nutrients and energy use.



CLIMATE ADAPTABILITY
Solutions tailored for different climate zones.



RISK MITIGATION
Protect crops and ensure business continuity.



SUSTAINABLE SOLUTIONS
Environmentally responsible and future-ready farming.



END-TO-END SUPPORT
From design to operation and continuous support.



MODERN FRUIT FARMING AND CONTROLLED ORCHARDS, FRUIT TREE SEEDLING SUPPLY



CERTIFIED QUALITY
INTERNATIONAL STANDARDS

We work with companies that produce high-capacity, certified products meeting international standards, and we will supply fruit saplings for your projects.



- **ORVIFRUSA (SPAIN)** based in Valencia, is a giant producer with a production area of over 550,000 m². It produces over 2.6 million certified fruit trees and Mediterranean plants annually.



- **VIVAI FORTUNATO (ITALY)** is a large-scale nursery in the Puglia region, producing on more than 80 hectares and equipped with modern automated irrigation and protection systems.



- **PARLAR FİDAN (TURKEY)** is one of Türkiye's largest fruit tree producers, with an annual production capacity of 3 million bare-root and 1 million potted seedlings.



- **AGROLİDYA TARIM A.Ş. (TURKEY)** is a large-scale enterprise producing over 1.5 million seedlings and tissue culture rootstocks annually in its modern facilities.



APPLE



LEMON



CHERRY



PLUM



GRAPE



HIGH CAPACITY

Large-scale production facilities to meet global demand.



CERTIFIED PRODUCTS

All products are certified and comply with international standards.



HEALTHY SAPLINGS

High-quality, disease-free saplings and rootstocks for better establishment.



ADVANCED TECHNOLOGY

Modern irrigation, protection and tissue culture technologies ensure superior quality.



RELIABLE PARTNERS

Long-term partnerships with leading nurseries in Europe and Türkiye.



SUSTAINABLE SOLUTIONS

Environmentally responsible production for sustainable fruit farming.

MODERN FRUIT FARMING AND CONTROLLED ORCHARDS, PRODUCTION AND OPERATION SUPPORT



SUPPORTING YOUR SUCCESS
BEYOND ESTABLISHMENT



COMPREHENSIVE POST-ESTABLISHMENT SUPPORT
maximizes your orchards efficiency.



OUR DEDICATED AGRICULTURAL ENGINEERS
actively optimize production processes.



**EXPERIENCED PROJECT MANAGERS AND
SPECIALIZED CONSULTANTS**
secure long-term success.



 **APPLE**



 **CHERRY**



 **GRAPE**



 **PLUM**



 **LEMON**



 **PAPAYA**



PRODUCTION OPTIMIZATION
Data-driven solutions to
increase yield and quality.



RESOURCE MANAGEMENT
Efficient use of water,
nutrients, and energy.



ORCHARD HEALTH
Integrated pest and disease
management for healthy crops.



QUALITY ASSURANCE
Consistent quality through
monitoring and best practices.



CLIMATE ADAPTATION
Adaptive strategies for
diverse climate conditions.



LONG-TERM PARTNERSHIP
Reliable support at every
stage of your growth.

OPEN FIELD VEGETABLE PRODUCTION

HIGH-VALUE AGRIBUSINESS FROM FIELD TO SHELF

Our group delivers a fully integrated agribusiness model.



INTEGRATED PASTE & SUN-DRIED TOMATO, PEPPERS AND EGGPLANTS

Facilities cultivating industrial varieties optimized for paste and drying. Modern drying tunnels for export standards.



CANNING PLANTS & CONTRACT FARMING OPERATIONS

Multi-crop scheduling including peas, corn, and peppers. Scalable production via structured contract farming models. Rapid farm-to-can processing to lock in natural freshness.



SUPERMARKET SUPPLY CHAIN & FRESH PRODUCE

Phased open-field production for continuous, calibrated supply. Extended shelf-life through rapid pre-cooling and storage. Strict compliance with GlobalGAP and Good Agricultural Practices (GAP).



Integrated from
Field to Shelf



Export-Quality
Standards



Rapid Processing
& Cold Chain



GlobalGAP &
GAP Compliant



HIGH VALUE CROPS

Focus on high-demand vegetables with strong market potential.



MULTI-CROP SCHEDULING

Optimized planting and harvesting for year-round supply.



INTEGRATED PROCESSING

From cultivation to processing and packaging under one integrated system.



FRESHNESS GUARANTEED

Rapid farm-to-processing and cold chain to preserve quality and nutrition.



GLOBAL MARKETS

Consistent quality and compliance for domestic and export markets.



SUSTAINABLE PRACTICES

Environmentally responsible farming for a better tomorrow.

OPEN FIELD VEGETABLE PRODUCTION



INTEGRATED PASTE & SUN-DRIED TOMATO, PEPPERS AND EGGPLANTS

We offer comprehensive solutions from field to factory for dried vegetables and tomato paste.



SEEDLING PRODUCTION



HARVESTING



SORTING & HANDLING



SUN-DRYING



DRIED PRODUCTS



FRESH TOMATO



EGGPLANT



TOMATO FOR PASTE



PEPPERS



OPEN FIELD PRODUCTION



FROM FIELD TO FACTORY

Integrated operations ensure quality, traceability and food safety.



HIGH QUALITY RAW MATERIAL

Carefully selected varieties grown under optimal conditions.



ADVANCED PROCESSING

Modern facilities for paste production and sun-drying with strict quality control.



FOOD SAFETY & STANDARDS

Hygienic processing and international quality standards compliance.



EXPORT QUALITY

Products meet global export standards and customer requirements.



SUSTAINABLE & RELIABLE

Sustainable farming practices and reliable supply all year round.

OPEN FIELD VEGETABLE PRODUCTION



CANNING PLANTS & CONTRACT FARMING OPERATIONS

Establishing canning factories alone is not enough. Producing high-quality products at low cost through contract farming from the fields is crucial.



FROM FIELD
TO FACTORY



HIGH QUALITY
PRODUCTS



LOWER COSTS,
HIGHER VALUE



CONTRACT FARMING MODEL

Long-term partnerships with farmers ensure consistent supply, quality, and traceability.



QUALITY ASSURANCE

Field-level monitoring and guidance guarantee premium raw materials for processing.



COST EFFICIENCY

Optimized input use and scale advantages reduce costs across the value chain.



RELIABLE SUPPLY

Multi-crop planning and coordinated logistics ensure continuous supply to our canning plants.



CUCUMBERS FOR PICKLES



PEAS FOR CANNING



PEPPERS FOR CANNING



INTEGRATED PRODUCTION

Seamless coordination from planting to processing for maximum efficiency.



FARMER DEVELOPMENT

Training, technical support and fair agreements for sustainable growth.



TRACEABILITY & SAFETY

Full traceability from field to factory ensuring food safety and compliance.



ADVANCED PROCESSING

Modern canning facilities preserve natural flavor, nutrition and freshness.



GLOBAL STANDARDS

Compliant with international standards and customer specifications.



SUSTAINABLE AGRICULTURE

Responsible farming practices protect soil, water and biodiversity.

OPEN FIELD VEGETABLE PRODUCTION



SUPERMARKET SUPPLY CHAIN & FRESH PRODUCE

The production of products under contract with supermarket suppliers is carried out according to a schedule. This is a model we apply most frequently to seedless watermelon and melon varieties.



SEEDLESS WATERMELON



MINI WATERMELON



CANTALOUPE MELON



GALIA MELON



SCHEDULED PRODUCTION

Planting and harvesting are planned to meet supermarket delivery schedules.



CONTRACT FARMING MODEL

Long-term contracts ensure stable volumes, quality and price transparency.



CONSISTENT QUALITY

Strict field supervision and quality control ensure fresh, grade-A produce.



RAPID COOLING & HANDLING

Quick cooling and careful handling preserve freshness and extend shelf life.



RELIABLE SUPPLY

Coordinated logistics and timely delivery keep supermarket shelves stocked.



FOOD SAFETY & TRACEABILITY

Full traceability from field to shelf ensures safety and consumer trust.

PRODUCTION OF FIELD CROPS FOR FODDER CROPS AND INDUSTRIAL NEEDS

Our agricultural production teams possess a dual capability: we seamlessly manage forage crop production to supply our livestock operations while simultaneously driving large-scale industrial crop projects. Our field crop portfolio is strictly organized into three strategic sectors.



LIVESTOCK SUPPORT: Managing large-scale forage crop production for animal feed.



INDUSTRIAL SUPPLY: Cultivating high-yield field crops engineered for industrial processing.

THREE PILLARS OF FIELD CROP PRODUCTION

1



FORAGE CROPS

High-nutrition feed varieties to support robust livestock operations.

2



FIBER CROPS

Industrial-grade cultivation of raw materials like cotton and flax.

3



STARCH & SUGAR CROPS

High-yield production of processing staples like potatoes and sugar beets.



DUAL CAPABILITY

Supporting both livestock feed supply and industrial demand.



HIGH-YIELD VARIETIES

Advanced seed and crop management for superior productivity.



INTEGRATED MANAGEMENT

End-to-end field operations ensuring efficiency and consistency.



SUSTAINABLE PRACTICES

Soil health, resource conservation and responsible farming.



LARGE-SCALE OPERATIONS

Scalable production to meet growing local and global requirements.



PRODUCTION OF FIELD CROPS FOR FODDER CROPS AND INDUSTRIAL NEEDS

FORAGE CROP PRODUCTION & INFRASTRUCTURE

High-Nutrition Feed Solutions Powered by Advanced Irrigation



PRECISION IRRIGATION: Deployment of Center Pivot and Linear Move systems to maximize water efficiency and yield.



NUTRITIONAL QUALITY: Alfalfa, silage corn, and Italian ryegrass cultivated for optimum protein and dry matter values.



LIVESTOCK INTEGRATION: Seamless supply chain synchronization to meet the year-round feed demands of livestock projects.



ADVANCED INFRASTRUCTURE: Modern harvesting, baling, and storage infrastructure to ensure consistent quality and timely delivery.



PRECISION IRRIGATION

Center Pivot and Linear Move systems for maximum water efficiency and yield.



NUTRITIONAL QUALITY

Alfalfa, silage corn, and Italian ryegrass for high protein and dry matter.



LIVESTOCK INTEGRATION

Reliable, year-round feed supply for livestock projects.



ADVANCED INFRASTRUCTURE

Modern harvesting, baling, and storage for consistent quality and delivery.



WATER EFFICIENCY

Advanced irrigation systems reduce water use while boosting yield.



HIGH-YIELD FORAGE

Optimized agronomy practices for superior forage productivity.



NUTRITIONAL EXCELLENCE

High protein and digestibility to improve animal health and performance.



RELIABLE SUPPLY CHAIN

Integrated operations ensure consistent supply and on-time delivery.



SUSTAINABLE PRACTICES

Soil health, resource conservation, and responsible farming for the future.



SCALE & RELIABILITY

Large-scale production capabilities to meet global feed demands.

PRODUCTION OF FIELD CROPS FOR FODDER CROPS AND INDUSTRIAL NEEDS



INDUSTRIAL FIBER CROP MANAGEMENT

Scalable Cultivation of Cotton and Flax for Global



MECHANIZED HARVESTING: Full-scale mechanization from precision planting to automated cotton picking to reduce labor costs.



QUALITY & FIBER STRENGTH: Varietal selection tailored to soil types to ensure high-grade fiber length, *micronaire*, and strength.



INDUSTRIAL PARTNERSHIPS: Strategic contract farming and raw material supply directly tied to textile and industrial processing hubs.



GLOBAL FOCUS: Sustainable practices and traceable supply chains to meet the quality and compliance standards of global markets.



PRECISION PLANTING

Advanced seeding technology ensures uniform stand and optimized yield.



MECHANIZED HARVESTING

Automated cotton picking and efficient field operations reduce costs and increase productivity.



QUALITY & FIBER STRENGTH

Superior fiber length, *micronaire*, and strength for high-performance textile applications.



INDUSTRIAL PARTNERSHIPS

Long-term partnerships and reliable raw material supply for textile and industrial processing.



HIGH YIELD & PRODUCTIVITY

Improved varieties and best agronomy practices for maximum output.



SOIL & RESOURCE MANAGEMENT

Conservation agriculture and efficient irrigation to enhance soil health and optimize resource use.



TRACEABILITY & COMPLIANCE

Full traceability and adherence to global quality, environmental, and social standards.



SUSTAINABLE PRACTICES

Integrated pest management and responsible farming for a sustainable and resilient future.



GLOBAL MARKETS

Scalable production to meet the growing demand for natural fibers worldwide.

PRODUCTION OF FIELD CROPS FOR FODDER CROPS AND INDUSTRIAL NEEDS

STARCH & SUGAR CROP CULTIVATION

High-Yield Processing Staples: Potatoes and Sugar Beets



ADVANCED SOIL & ROTATION MANAGEMENT:

Strict crop rotation schedules to preserve soil health and prevent root diseases.



DRIP IRRIGATION OPTIMIZATION:

Utilizing sub-surface drip irrigation to optimize tuber development in potatoes and brix content in sugar beets.



POST-HARVEST COLD CHAIN:

Specialized ventilated storage facilities to maintain starch integrity and minimize sugar loss before processing.



HIGH-YIELD & EFFICIENCY FOCUS:

High-performing varieties, precise agronomy, and integrated management for maximum yield and processing quality.



POTATO PRODUCTION

High-yield varieties and optimal field management for superior tuber development.



HEALTHY CROP GROWTH

Balanced nutrition and soil management for strong, disease-resistant crops.



SUGAR BEET CULTIVATION

Precision irrigation and agronomy for high brix content and maximum yield.



COLD STORAGE & PRESERVATION

Ventilated cold storage maintains starch quality and minimizes sugar loss before processing.



SOIL HEALTH & FERTILITY

Rotation and organic matter practices preserve soil health and long-term productivity.



WATER EFFICIENCY

Sub-surface drip systems maximize water use efficiency and crop performance.



HIGH YIELD & QUALITY

Selected varieties and precise management ensure high yield and processing quality.



POST-HARVEST CARE

Advanced storage and handling protect product integrity and reduce post-harvest losses.



INDUSTRIAL SUPPLY PARTNERSHIPS

Reliable raw material supply aligned with processing plant requirements.



SUSTAINABLE PRODUCTION

Environmentally responsible practices for sustainable and scalable crop production.



OUR GROUP'S TECHNICAL CAPACITY FOR AGRICULTURAL PROJECTS



In addition to our own technical team, we also have strong project partners.

STRATEGIC PARTNERSHIPS & EXTERNAL CONSULTANTS



ACADEMIC ADVISORY:

Contracted Professors from
Akdeniz University
(Agricultural Faculties)



INTERNATIONAL EXPERTISE:

Contracted Agricultural Consultants
from the Netherlands



EXPERIENCED TECHNICAL TEAM

Skilled agronomists, engineers, and technicians
delivering projects with precision and dedication.



ACADEMIC COLLABORATION

Working closely with university professors
to integrate the latest research and innovations.



INTERNATIONAL EXPERTISE

Global know-how and best practices from
our consultants to ensure project success.

Our Group's Technical Capacity For Agricultural Projects

Technical Capacity & Organization Chart

Artcan Technical Capacity Organization

 GENERAL	 MODERN GREENHOUSES	 LIVESTOCK FARMING	 POULTRY FARMING	 FRUIT GROWING	 OPEN FIELDS, VEGETABLES	 FIELD CROPS
Project Managers 12 people	Consultants & Trainers 8 people	Consultants & Trainers 5 people	Consultants & Trainers 6 people	Consultants & Trainers 3 people	Consultants & Trainers 4 people	Consultants & Trainers 4 people
Equipment Procurement & Logistics 7 people	Production Managers 16 people	Production Managers 12 people	Production Managers 17 people	Production Managers 8 people	Production Managers 5 people	Production Managers 6 people
Technical Office 4 people	Biological Control 4 people			Biological Control 2 people		
Site Supervisors 9 people	Supervisors 17 people	Supervisors 11 people	Supervisors 15 people	Supervisors 3 people	Supervisors 4 people	Supervisors 3 people
Mechanical - Electrical 16 people						



OUR STRENGTH

Experienced teams, specialized structure, and strong organization to deliver sustainable and high-performance agricultural projects.

OUR GROUP'S AGRICULTURAL INVESTMENT PROJECTS; GLOBAL FOOTPRINT & CORE CAPABILITIES



STRATEGIC ADVANTAGES



Dual Expertise: Strong partnerships with leading Dutch and Turkish solution providers.



Advanced Technology: High-tech, modern agricultural infrastructure and cutting-edge operational capabilities.



Expert Execution: Driven by specialized in-house teams and elite project partners.



CORE PILLARS



INNOVATION:
Integrating Western European tech with dynamic regional execution.



SCALABILITY:
Proven capability to deploy large-scale, turnkey agricultural solutions globally.



Global Vision
Worldwide reach with strategic focus.



Sustainable Growth
Long-term value creation for communities and partners.



Trusted Partnerships
Built on reliability, transparency, and results.



Operational Excellence
Commitment to quality, safety, and efficiency.



OUR GROUP'S AGRICULTURAL INVESTMENT PROJECTS; INTERNATIONAL PROJECT PORTFOLIO



ACTIVE REGIONS

Our group and project partners have successfully executed diverse agricultural projects across Eastern Europe, Central Asia, the Balkans, and Africa.



GEOGRAPHIC FOOTPRINT

Eurasia & Central Asia: Türkiye, Russia, Kazakhstan, Uzbekistan, Turkmenistan, Axerbaijan, Tajikistan, Iran.

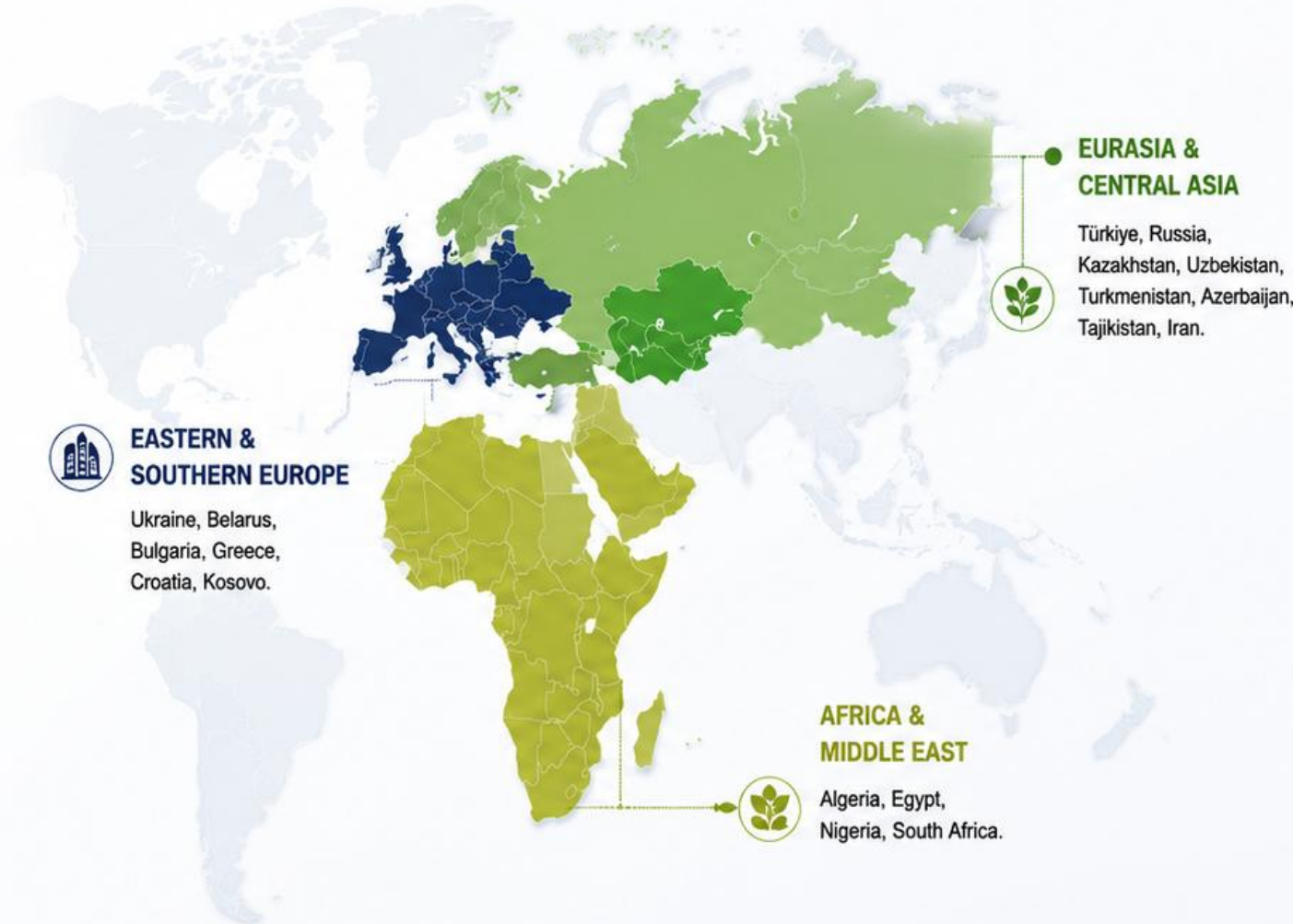
Eastern & Southern Europe: Ukraine, Belarus, Bulgaria, Greece, Croatia, Kosovo.

Africa & Middle East: Algeria, Egypt, Nigeria, South Africa.



TRACK RECORD

Fully operational regional frameworks. Cross-border project management expertise. Climate-specific agricultural adaptations.



WHY AGRICULTURAL INVESTMENTS ARE CRITICALLY IMPORTANT: WITH THE ABLAY GROUP – ARTCAN PARTNERSHIP

CORE INVESTMENT DRIVERS



GLOBAL FOOD SECURITY

Securing reliable supply chains against climate and geopolitical risks.



ECONOMIC RESILIENCE

Transforming agriculture from traditional farming into a high-value industrial sector.



SUSTAINABLE GROWTH

Investing in long-term, high-yield assets with stable international demand.



THE PARTNERSHIP EDGE

Combining Ablay Group's investment power with Artcan's technical and academic capacity.



WHY AGRICULTURAL INVESTMENTS ARE CRITICALLY IMPORTANT: WITH THE ABLAY GROUP – ARTCAN PARTNERSHIP



EMPOWERING DEVELOPING NATIONS



SOCIO-ECONOMIC DEVELOPMENT:

Creating skilled employment opportunities in rural areas to balance urban migration.



INFRASTRUCTURE MODERNIZATION:

Replacing outdated farming methods with scalable, predictable commercial models.



KNOWLEDGE TRANSFER:

Upskilling local workforces through academic training and international expert networks.



ECONOMIC MULTIPLIER:

Boosting related sectors like logistics, packaging, and local manufacturing.



WHY AGRICULTURAL INVESTMENTS ARE CRITICALLY IMPORTANT: WITH THE ABLAY GROUP – ARTCAN PARTNERSHIP



STRATEGIC IMPORT SUBSTITUTION



RETAINING NATIONAL WEALTH:

Producing high-value crops locally to stop foreign currency outflow.



MACROECONOMIC STABILITY:

Reducing dependence on agricultural imports to strengthen the national trade balance.



PRICE CONTROL:

Shielding local markets from global food inflation and currency fluctuations.



EXPORT READINESS:

Turning domestic self-sufficiency into a launchpad for international trade.



WHY AGRICULTURAL INVESTMENTS ARE CRITICALLY IMPORTANT: WITH THE ABLAY GROUP – ARTCAN PARTNERSHIP



ADVANCED TECHNOLOGY TRANSFER



DUTCH AGRICULTURAL INNOVATION:

Integrating elite climate control, automation, and greenhouse technologies from the Netherlands.



ACADEMIC SYNERGY:

Deploying cutting-edge biological control and yield-optimization techniques via Akdeniz University.



PRECISION AGRICULTURE:

Using data-driven irrigation, fertilization, and automation to maximize output per square meter.



FUTURE-PROOFING ASSETS:

Delivering sustainable, low-waste, and energy-efficient turnkey agricultural projects.



DUTCH INNOVATION

Elite climate control & greenhouse technologies from the Netherlands.



ACADEMIC SYNERGY

Cutting-edge biological control & yield-optimization via Akdeniz University.



PRECISION AGRICULTURE

Data-driven irrigation, fertilization & automation to maximize output.



FUTURE-PROOFING ASSETS

Sustainable, low-waste & energy-efficient turnkey agricultural projects.



THANK YOU FOR YOUR ATTENTION



TOGETHER, WE INVEST IN AGRICULTURE.
TOGETHER, WE BUILD A SUSTAINABLE FUTURE.

The Ablay Group – Artcan Partnership is committed to delivering innovative, reliable, and sustainable agricultural solutions that create lasting value for communities, economies, and the planet.



GLOBAL REACH
Proven experience
across continents



STRONG PARTNERSHIP
Uniting expertise,
technology, and trust



SUSTAINABLE IMPACT
Investing today for a
better tomorrow

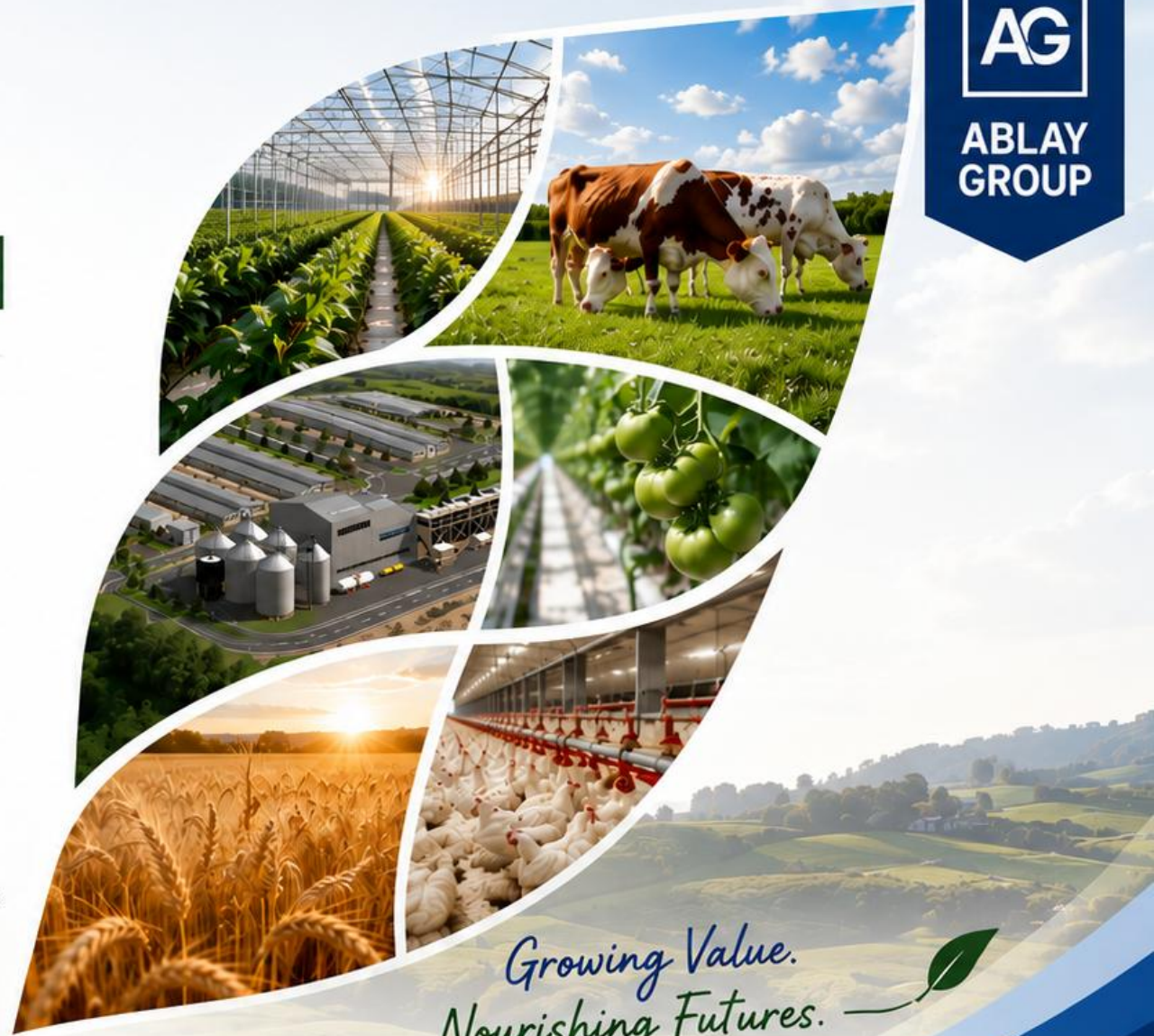


LONG-TERM VALUE
Driving growth, efficiency,
and food security

STRONG PARTNERSHIP. SHARED VISION.
SUSTAINABLE FUTURE.



**ABLAY
GROUP**



*Growing Value.
Nourishing Futures.*

