



Beyaz Et İşleme  
White Meat Processing



Büyükbaş Kesimhane  
Cattle Slaughtering



Besi Hayvancılığı  
Intensive farming



Rendering Tesisi  
Rendering Plant

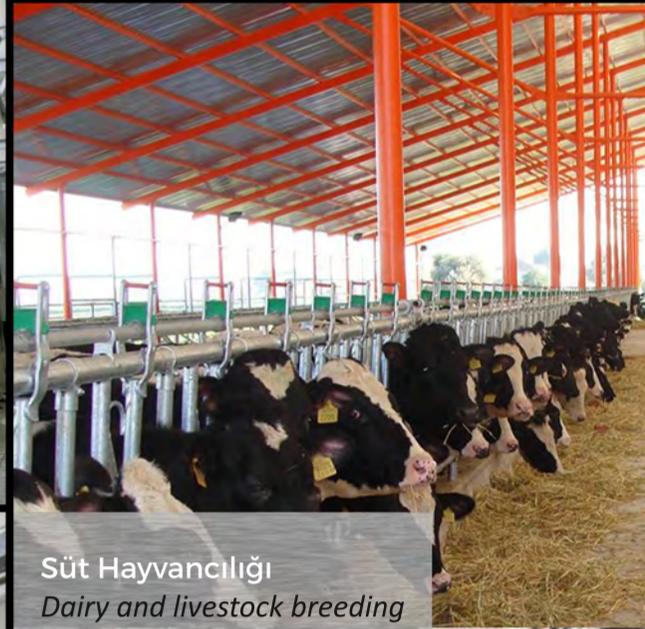


Kanatlı Kesimhane  
Poultry Slaughtering

## ÖZMERHABA

Proje Dış Ticaret İnşaat  
Mak. İklimlendirme A.Ş.

“Endüstriyel  
Yapılarınız  
İçin En  
**Doğru**  
Seçim”



Süt Hayvancılığı  
Dairy and livestock breeding



Atık Su Arıtma Tesisi  
Waste Water Treatment Plant



Kırmızı Et İşleme  
Red Meat Processing



Küçükbaş Kesimhane  
Sheep/Goat Slaughtering





## PROJECT MANAGEMENT

### Architects and engineers for excellent buildings

As fully integrated designers we accept responsibility for design, engineering and site supervision services during all project phases, from conception to construction. We deliver all these services in a simultaneous and interdisciplinary manner, from the project idea to the completion of the building. We call this single source fully integrated design.

### Architecture

ÖZMERHABA's architects see themselves as the proactive leaders of a creative design process.

In our integrated design teams ÖZMERHABA architects work in an interdisciplinary manner in which they take full account of the simultaneous input from ÖZMERHABA engineers regarding questions of design, construction, function and sustainability. They are responsible for maintaining the overall equilibrium of the magic project triangle - quality, budget and timetable - throughout all phases of the integrated design process.

Initial Information Search  
 Predesign (Sketch Design)  
 Preliminary Design  
 Approvals  
 Execution Design  
 Tender Preparation  
 Tender Management  
 Documentation

#### ANALYSIS

1. Strategic Analysis
2. Business and Technical Analysis
3. Financial Analysis

#### PLANNING & DESIGN

1. Concept Design
2. Project Planning
3. Functional Design
4. Application Design
5. BIM Simulation
6. 3D Visualization

#### INDUSTRIAL TECHNOLOGY

1. Machinery and Equipment
2. Advanced Process Equipment
3. Hygiene Equipment
4. Traceability

#### TENDER & CONTRACT

1. Tendering
2. Contract

#### CONSTRUCTION MANAGEMENT

1. Construction Management
2. Quality Control
3. Cost Control
4. Business Program

#### TEST & ACCEPTANCE

1. Production Testing and Commissioning

## Services

# PROJECT SERVICES

We have delivered primary food processing, materials handling and chilling and freezing technology to clients around the globe. The following are some of our recent projects.

Architecture

Structural Engineering

Mechanical Engineering

Electrical Engineering

Interior Design



## CONSTRUCTION MANAGEMENT

Construction managers from Özmerhaba coordinate the trade contractors' activities by means of experience, knowledge and clarity of communication. This leads to successful construction projects that meet all the time, quality and cost criteria on target.

### Occupational health and safety consultancy

To the owner, it is vital that construction projects proceed smoothly and according to plan when ground has been broken. As one of Turkey's largest construction management providers, Özmerhaba can ensure seamless coordination between the various construction partners and thus turn preliminary ideas and drawings into finalized and functional buildings.

Clarity of communication and skilled navigation as guiding principles

The strongest asset in leading and influencing a construction process, for any successful construction manager, is the ability to communicate and navigate well. Özmerhaba's specialists communicate clearly, accurately and continuously to the many parties affected by the construction management's decisions. In addition, they undertake responsibility for communication on behalf of the owner, naturally, while fulfilling all the obligations that come with this responsibility.

### Dealing with daily challenges on site

Özmerhaba's construction managers handle the daily challenges that arise on a construction site with many trades and professions involved. This is done with a visible presence on the site as well as a wide range of trade, building, construction site and coordination meetings. Özmerhaba has, in addition, introduced a project coordinator for major construction projects. The project coordinator is part of the construction management, but exempted from the administrative part. This way, he or she can use 95% of his or her time on the construction site ensuring that the agreed work processes are respected, that appointed areas are accessible as well as handling coordination in relation to sudden, unexpected challenges. In short, the project coordinator must be the oil that keeps the machinery in motion. The permanent presence on site also sends out a positive signal to the builders as well as to other stakeholders. It has been shown by experience to nip many conflicts in the bud.

Costs of the different trades are continuously handled at finance meetings with reporting of progression, negotiation of demands, control of documentation, and - if necessary - future estimates.

### As construction managers Özmerhaba often assist in:

- Managing cost, quality and time
- Coordinating the works of the trade contractors
- Conducting contract compliance reviews
- Studying constructability and workflows
- Ensuring compliance with occupational health and safety obligations

## Services

### MECHANICAL ENGINEERING

Heating, ventilation and air conditioning (HVAC, or climate control) and climate technology is important to people's well-being and health. Özmerhaba has the skills and solutions to improve HVAC and climate systems

#### Ensuring quality HVAC systems

Sick leave and low productivity are caused by inferior quality HVAC and climate systems. Energy is wasted by inadequate ventilation and heating systems. But Özmerhaba has the skills and solutions to improve these conditions.

In addition to the traditional mechanical services disciplines, we are skilled in special areas such as indoor climate, environmental design, integrated building design, building physics, simulations, BMS/building automation and mechanical refrigeration.

Our projects include:

- Investigations and prestudies
- Design
- Project administration
- Technical and economical control
- Coordination of installation and construction management
- Inspection
- Technical documentation

We participate actively in all phases in a project - including preliminary studies, determination of user requirements and design conditions, and handover of the completed building.

#### Extensive network of expertise

To give our customers the best possible return on their investments, we share knowledge across the Özmerhaba organisation. This means that we always have direct access to an extensive network of expertise which guarantees quality and totality in our consultancy services.

Özmerhaba services cover:

- Sanitary systems
- Heating systems
- Fire safety systems
- Gas and air pressure
- Cooling systems
- Air conditioning
- Automation
- Exterior HVAC systems
- Design management
- Planning, analyses and programming
- Project administration and project management
- Technical construction management
- Facility management
- Status control
- Validation and verification
- Integration
- Field studies





## ELECTRICAL ENGINEERING

We are increasingly dependent on well-functioning electrical, IT and telecom systems. Malfunctions can have serious consequences for both safety and economy. Such systems must be designed to avoid disruptions and minimise risk.

### Planning and design of electrical systems

Özmerhaba offers services in planning and design of electrical, IT, telecom and lift systems in hospitals and healthcare facilities, offices, laboratories, schools, hotels, industrial facilities and homes. Our engineers assess needs and propose technical solutions to optimise operating reliability and economy. Close collaboration with our customers ensures high quality and maximum value. We have special expertise in areas such as power supply, lighting, telecom and process systems.

### Our areas of expertise

Services in this technical discipline cover all stages of the building process:

- Early stage analysis and feasibility studies
- Cost estimates in all phases of the building process
- Risk analysis
- Planning and design
- Programming
- Status inspections
- Control
- Delivery inspection and re-inspection

In addition to general electrical and telecom systems, we have expertise in:

- Power supply systems including high voltage, emergency power, switchgear and UPS
- Electrical systems
- Lighting systems for roads, streets and parks
- Telecom installations for fire alarm, signal, security and IT systems
- Lightning protection, potential equalisation and electrical protection systems
- Elevator systems
- Process systems such as MCC switchgears, automation cabinets and PLC systems

## Services

### DIGITAL DESIGN

Virtual Design and Construction (VDC) is our name for the combination of Building Information Modelling (BIM) and other advanced computer aided design techniques - including 3D modelling, parametric design and analysis. By using VDC Özmerhaba adds value at all stages of a building's life cycle. In Özmerhaba the approach to using Building information modelling (BIM) and CAD, and combining these with analysis techniques - is what we call Virtual Design and Construction (VDC).

### Our approach and experience

Creating buildings that meet the needs of society today and in the future is not an easy task. Özmerhaba has led the way in the use of a range of advanced computer aided design techniques that can help produce these buildings. We have a unique approach to using Building information modelling (BIM) and CAD, and combining these with analysis techniques - we call this Virtual Design and Construction (VDC). This approach has benefits for the entire building project team, future users and society as a whole:

3D modelling and visualisations allow clients, designers and all stakeholders to experience the building early in the design process.

Clash detection resolves design issues before the building is constructed - minimising the risk of costly design revisions during the actual construction phase.

Building configurations and characteristics can be assessed, iterated and optimised before construction - resulting in improved sustainability and economy of the solutions.

Information is managed and shared efficiently between the project design team, contractors and future users -reducing time, cost and risk at all stages of the building's life.

Parametric design can rationalise complex geometries and relationships - realising architectural aspirations that would not otherwise be possible.

Efficient and elegant structural forms are created by combining advanced engineering analysis tools with 3D CAD and parametric design methods. This strong combination leads to inspiring buildings with minimised material and energy consumption.

We successfully utilise our Virtual Design and Construction techniques every day. We see these as a design toolbox. The key is using the most appropriate tool in the most efficient way - ensuring that the right information gets to the right people at the right time.

Combining computer software and project organisation procedures to realise the benefits of Building Information Modelling can be challenging. We have developed a methodology to overcome the various barriers. Using this methodology we can assist any of our partners to successfully adopt BIM on a project.

### Research and development

Advances in computer aided design occur all the time. We are actively researching and working in collaboration with a number of partners to develop a variety of new design tools and processes:

- 4D (time and logistics) modelling
- Linking virtual models with real buildings
- Parametric design
- Interoperation of 3D and parametric models with other disciplines (including cost management, buildings physics and infrastructure)

We welcome suggestions for other collaborations.

## CLIENT CONSULTANCY

Building is not an easy task. It requires a lot of experience to build a building on spec, on time and on budget – and ensure that all stakeholders are happy with the process.

At Özmerhaba we have the know-how to ensure a successful process and result – from the very first idea is developed into a business case and a design brief until the building is handed over to the customer. We even assist in developing procedures for operation and maintenance.

### Client consultancy services

We offer client consultancy services (or project management, as some would call it) to customers who do not have their own project management teams. In this role, we act on behalf of the customer to employ architects, engineers, and contractors to design and build their building.

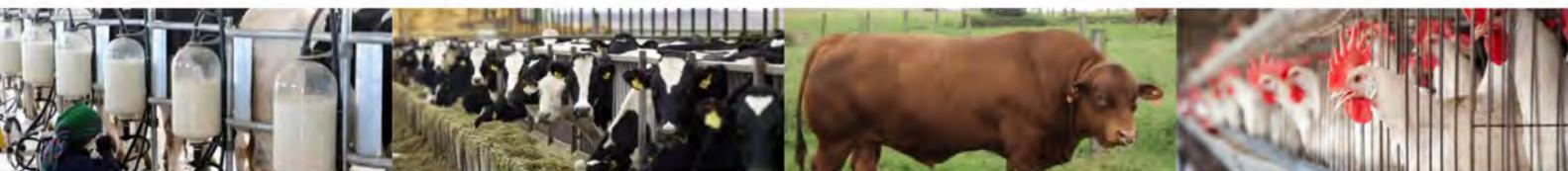
Our job is to act in the best interest of the customer, focusing on obtaining the customer's objectives and ensuring qualified cooperation between the parties involved. We monitor the services of others and take corrective actions when required.

### Measuring our results

It is always important for us to deliver high quality building-related services. We measure our results according to function, aesthetics, sustainability, indoor climate, energy consumption, operation and maintenance, as well as economy.

### Özmerhaba client consultancy disciplines

- Preparation of design brief
- Planning
- Project development
- Tender methods
- Investor and tenant consultancy
- Analysis of properties
- Construction management
- Evaluation of conditions
- Refurbishment processes
- Facilities management



## Services

# CONSULTANCY SERVICES

### PROJECT CONSULTING

1. Project Consulting
2. Construction Consulting
3. Ipard Consulting
4. Investment Consulting

### MACHINERY EQUIPMENT SUPPLY

1. Machinery Equipment Supply
2. Hygiene Equipment
3. Traceability

## Services

# 3D, 4D, 5D - BIM SERVICES

A collaborative communication platform that helps reinforce business processes while enabling all team members to share project information in a structured manner.

Improved communication and collaboration among all project team members.

Fewer problems related to overruns in cost, schedule and scope, or quality concerns.

The ability to more reliably deliver projects faster, more economically and with less environmental impact.



### BIM - ANALYSIS

1. Modelling / 3D
2. Clash detection
3. Quantity takeoff
4. Scheduling / 4D
5. Cost analysis / 5D

### VISUAL PRESENTATION

1. 3D Visualization
2. 360 virtual tour
3. Animation
4. Virtual Reality

## VR TECHNOLOGIES IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION



## About

# ÖZMERHABA Inc.

Founded in 2000, Özmerhaba has become not only one of the largest and most successful groups of companies in Turkey but also in Europe, by staying one step ahead of change throughout its journey of 15 years. Adamant in observing in all its operations the principles and ethical values of administering corporate governance, undertaking social responsibility and providing environmental protection at international standards, the Özmerhaba is a global player constantly moving toward its objective of duplicating its success in Turkey at the global scale.



## Referanslarımız



### Use our experience to get ahead

Contact us to learn what we can do for your company.

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## AKŐEKER meat integrated plant Konya



Land Area : 86.592 m<sup>2</sup>



Construction Area : 30.000 m<sup>2</sup>



Cattle Slaughtering : 450 / day



Sheep Slaughtering : 1250 / day

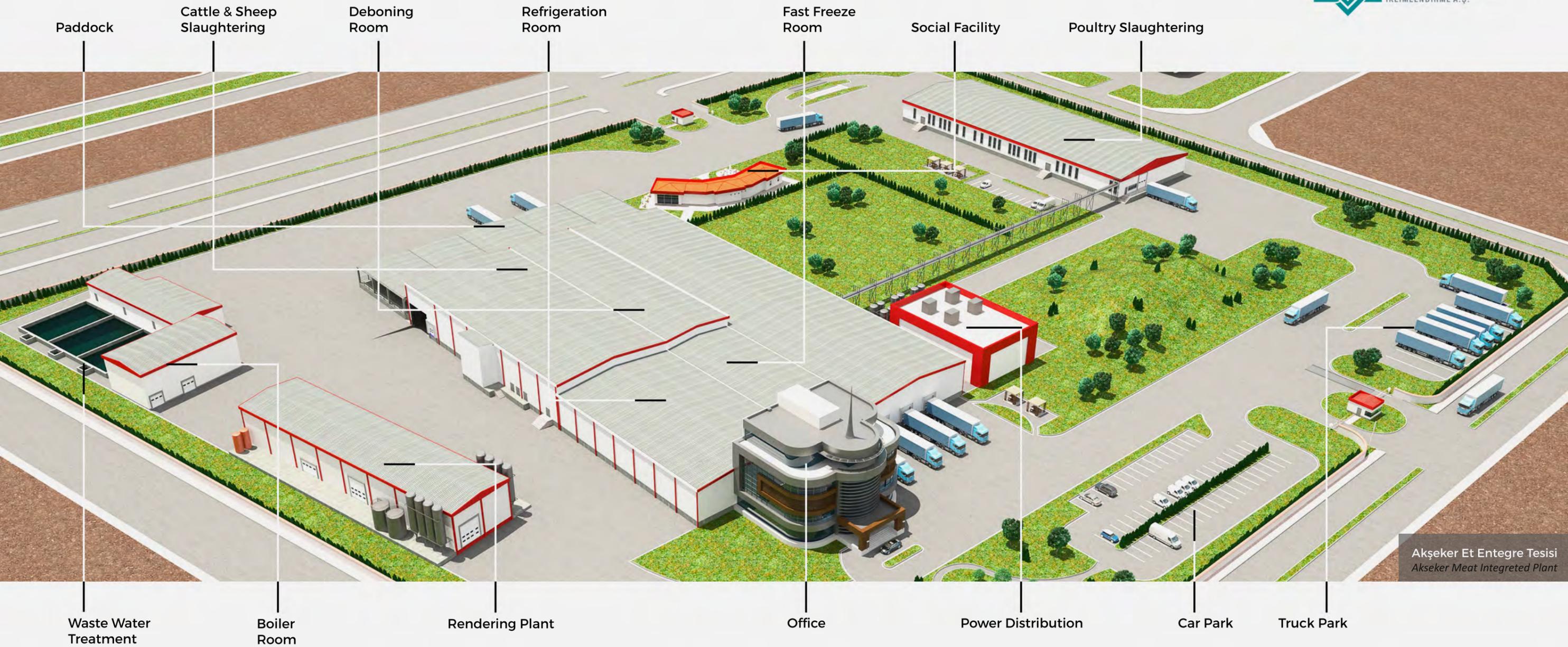


Poultry Slaughtering : 24000 / day



Deboning : 20 t / day





## ENGİN meat integrated plant Konya - Cihanbeyli



Land Area : 30.450 m<sup>2</sup>



Construction Area : 6.600 m<sup>2</sup>



Cattle Slaughtering : 250 / day



Sheep Slaughtering : 2500 / day



Deboning : 20 t / day



## GAZİANTEP meat exchange Gaziantep - Őehitkamil



Land Area : 32.150 m<sup>2</sup>



Construction Area : 17.500 m<sup>2</sup>



Showroom & Ref. R. : 950 m<sup>2</sup>



Butcher : 7975 m<sup>2</sup>



Deboning : 20 t / day



## ŐİRİN meat integrated plant Kütahya - Tavőanlı



Land Area : 9.044 m<sup>2</sup>



Construction Area : 10.354 m<sup>2</sup>



Cattle Slaughtering : 200 / day



Sheep Slaughtering : 300 / day



Deboning : 25 t / day



## AŐM meat integrated plant Gaziantep - OĐuzeli



Land Area : 30.000 m<sup>2</sup>



Construction Area : 24.032 m<sup>2</sup>



Cattle Slaughtering : 600 / day



Sheep Slaughtering : 3500 / day



Deboning : 60 t / day



## ABAZLAR meat integrated plant Konya - Beyőehir



Land Area : 12.064 m<sup>2</sup>



Construction Area : 7.503 m<sup>2</sup>



Cattle Slaughtering : 150 / day



Sheep Slaughtering : 250 / day



Deboning : 15 t / day



## TAMET meat integrated plant Balıkesir - Dursunbey

	Land Area	: 10.110 m <sup>2</sup>
	Construction Area	: 5.570 m <sup>2</sup>
	Cattle Slaughtering	: 50 / day
	Sheep Slaughtering	: 150 / day
	Deboning	: 10 t / day



## HDÇ meat integrated plant Konya - Ilgın



Land Area : 96.500 m<sup>2</sup>



Construction Area : 8.470 m<sup>2</sup>



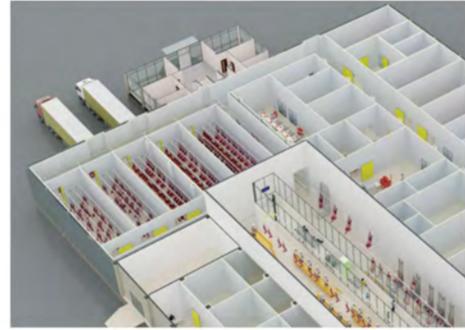
Cattle Slaughtering : 200 / day



Sheep Slaughtering : 400 / day



Deboning : 15 t / day



Ethiopia Casing plc  
Ethiopia



IRAQ meat integrated plant  
Iraq



## BEYMİR meat integrated plant Diyarbakır



Land Area : 31.550 m<sup>2</sup>



Construction Area : 7.100 m<sup>2</sup>



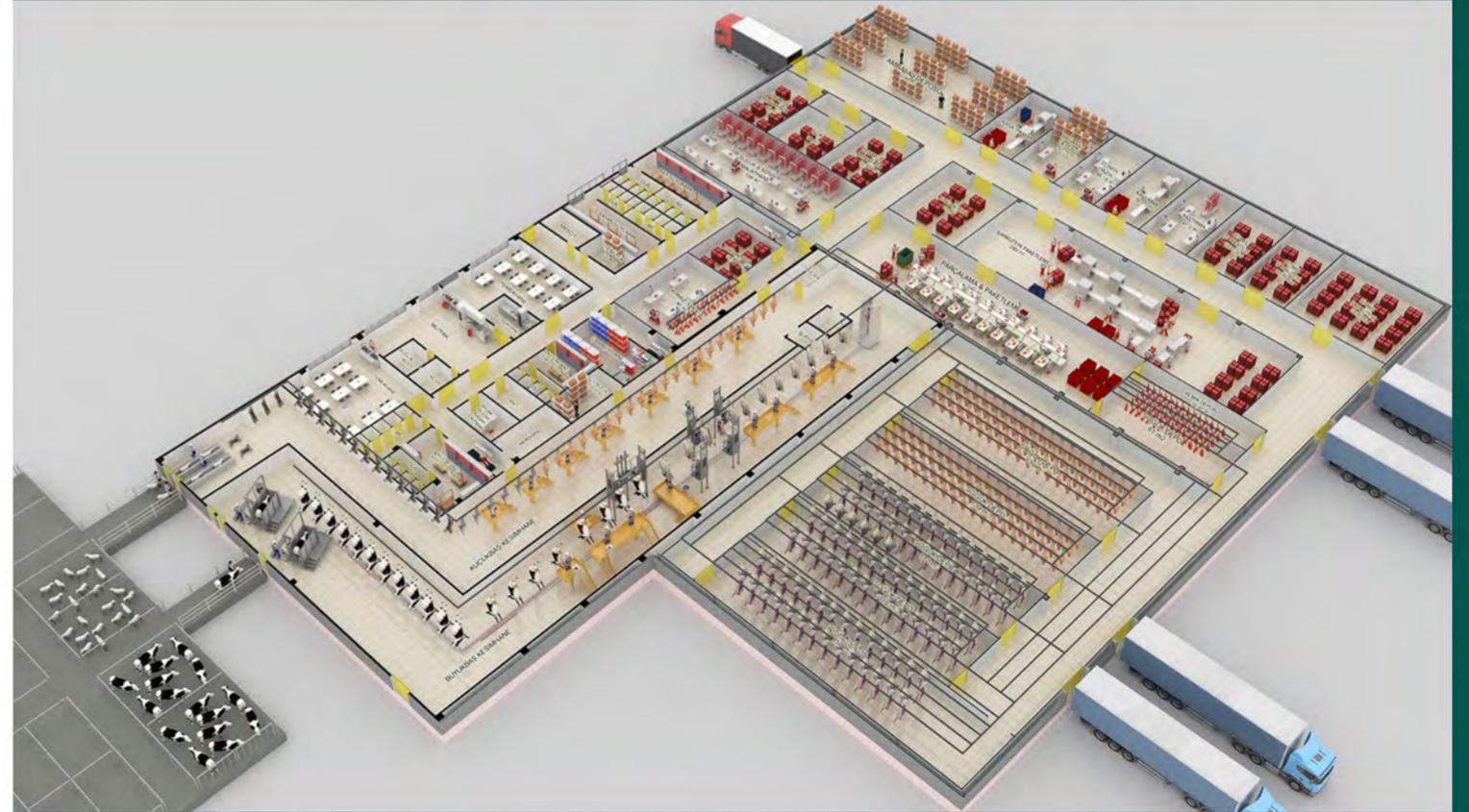
Cattle Slaughtering : 250 / day



Sheep Slaughtering : 2000 / day



Deboning : 25 t / day



## AKŐEKER EREĐLİ meat integrated plant

Eređli



Land Area : 30.450 m<sup>2</sup>



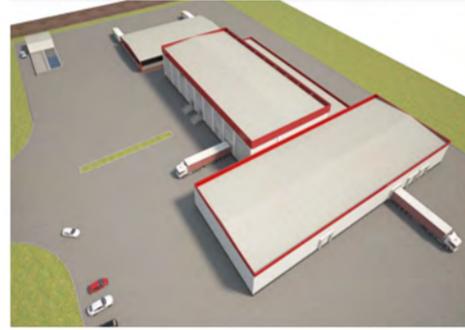
Construction Area : 6.600 m<sup>2</sup>



Cattle Slaughtering : 250 / day



Sheep Slaughtering : 2500 / day





Seed gene Technologies Inc.  
Konya

