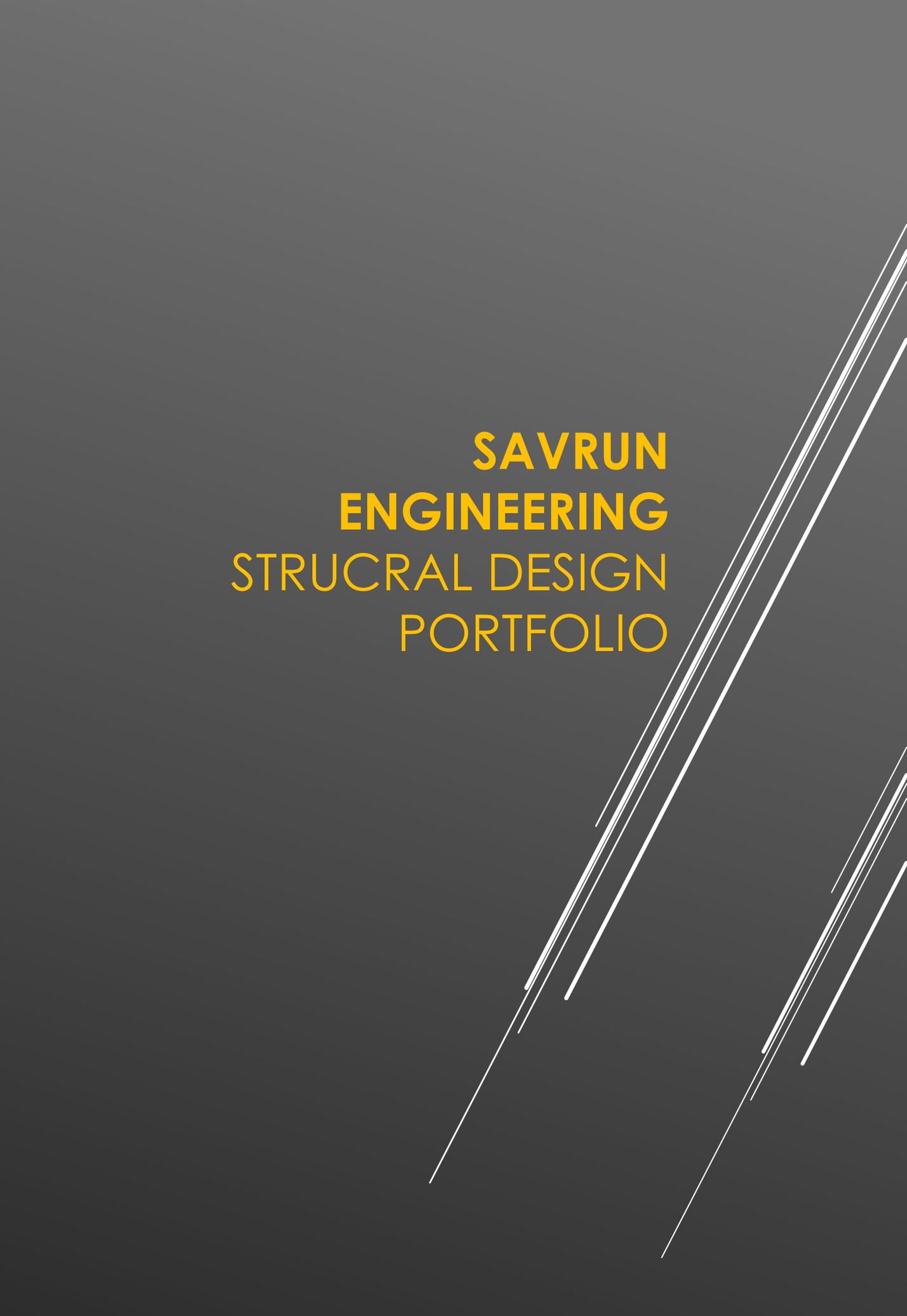


**SAVRUN**  
**ENGINEERING**  
STRUCRAL DESIGN  
PORTFOLIO

The background is a dark gray gradient. On the right side, there are several parallel white lines of varying lengths and thicknesses, slanted diagonally from the top right towards the bottom left. The text is centered in the upper half of the page.

SAVRUN İnşaat Mühendislik Sanayii Ticaret Ltd. Şti.  
Birlik Mahallesi 406. Sokak No:16/13 Çankaya, ANKARA

[info@savrun.com.tr](mailto:info@savrun.com.tr)  
[www.savrun.com.tr](http://www.savrun.com.tr)

## ENERGO-PRO

Turbine and generator factory, Ankara, TÜRKİYE

18000m<sup>2</sup> construction area; R/C equipment foundations,  
3500m<sup>2</sup> management building and structural steel structures

Axes A-B: 18m x 55.9m, Span - 16m, Crane: 16t

Axes 21-24: 19.3m x 96m, Span - 16.8m, Crane: 100t - 63t

Axes C-U: 96.8m x 78m, Span - 4 x 22.3m,

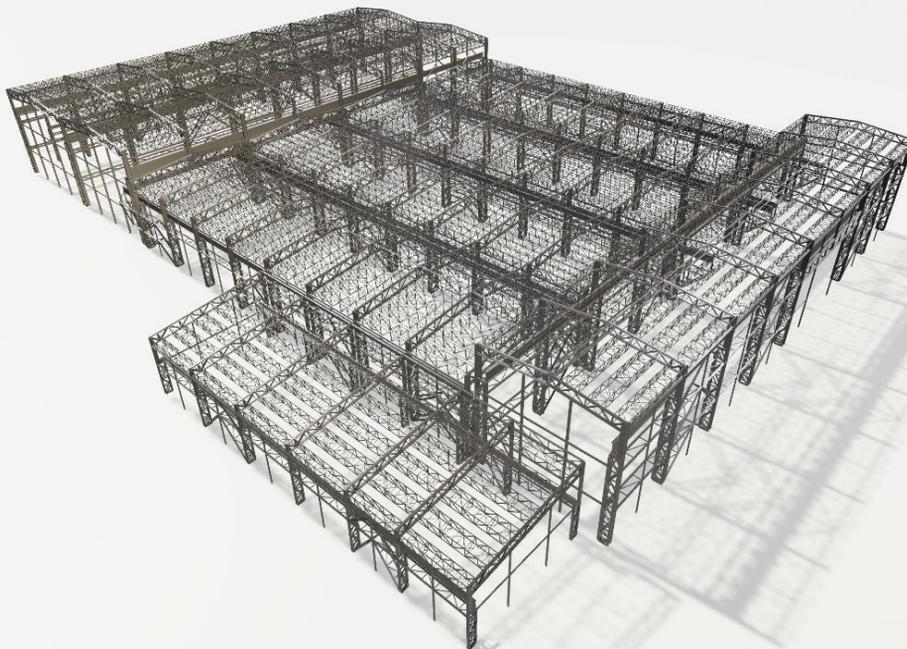
Crane: 25t -40t -25t.; 25t - 40t.; 40t - 40+5t.; 10t -10t

Axes 3-11: 48.8m x 96m Span - 2 x 22.3m, Crane: 32t -50t.; 25+5t - 25+5 t

Axes 1-2: 19.4m x 78m Span - 17.4m, Crane: 25t

Total weight: 3250 t

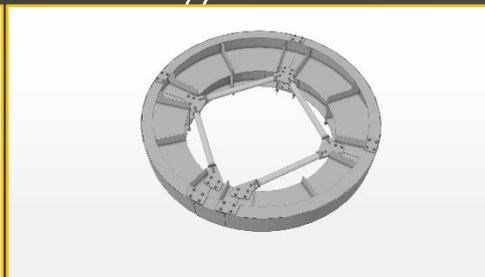
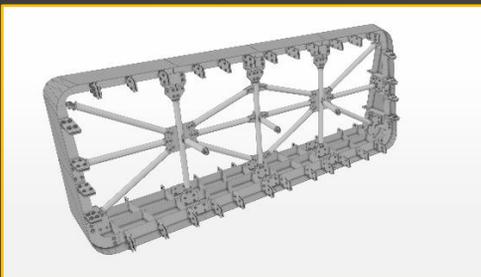
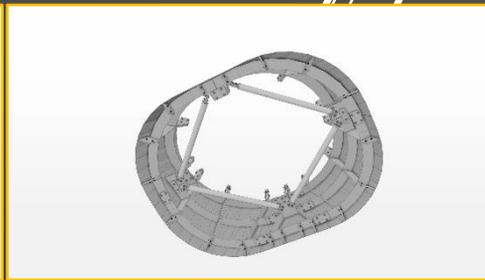
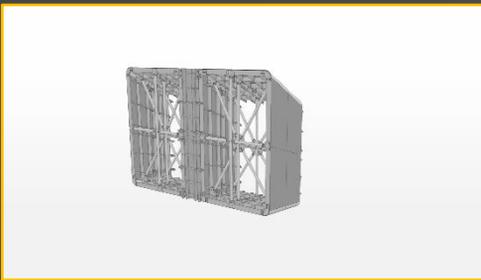
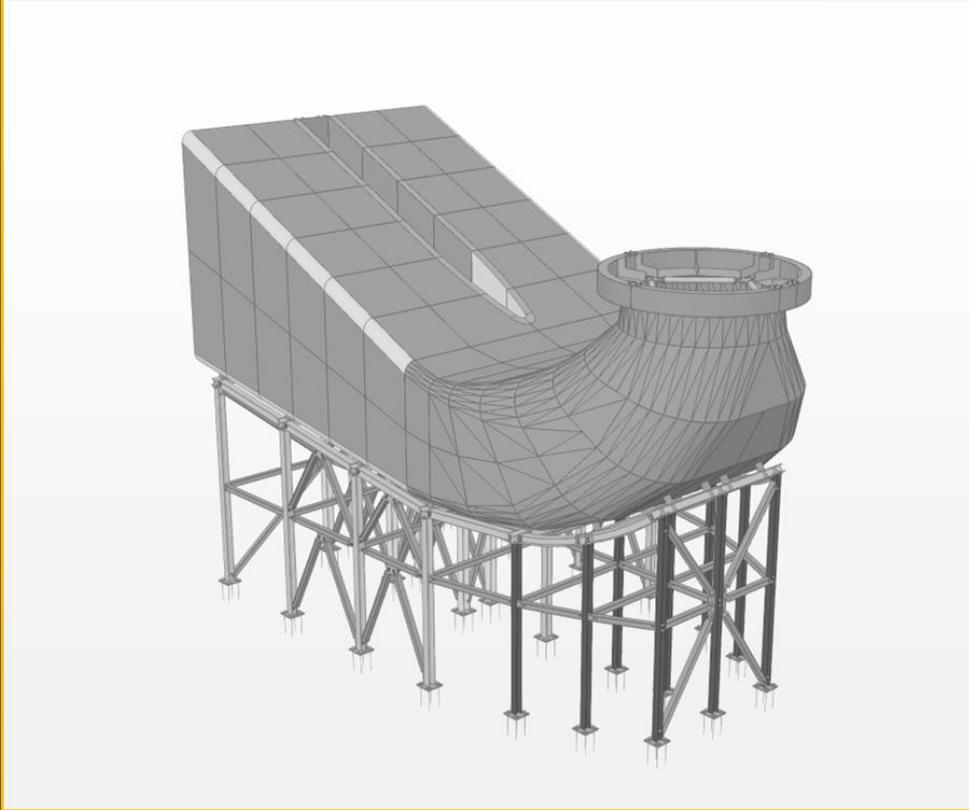
Structural calculations and application drawings



## AYDINER CONSTRUCTION

AKKUYU NPP main pumping station, Mersin, TÜRKİYE  
R/C Water intake draft tube steel formwork (4 pieces, 53 t each,  
formwork used for 4 times)

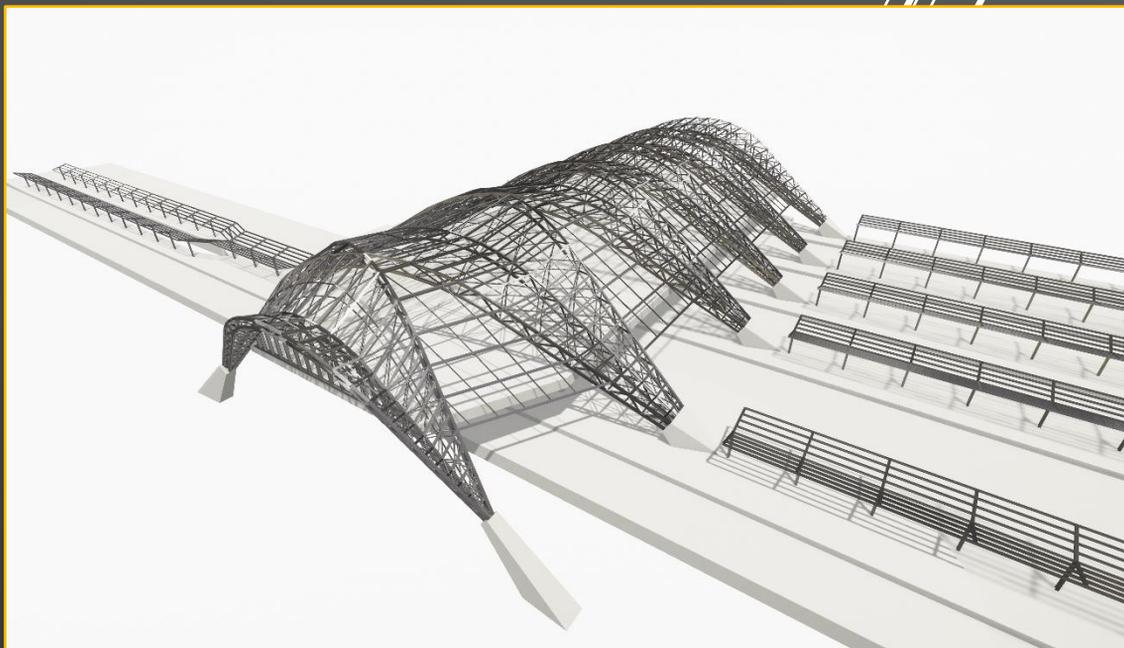
Structural steel calculations, application drawings, production and  
assembly/disassembly consultancy works



# GÜLERMAK HEAVY INDUSTRIES CONSTRUCTION & CONTRACTING CO. INC., POLAND

THE RAIL BALTICA RAILWAY BRIDGE AND RIGA CENTRAL STATION  
13900 m<sup>2</sup> plan area and 3400 t Weight.

Preliminary structural design and draftsman works

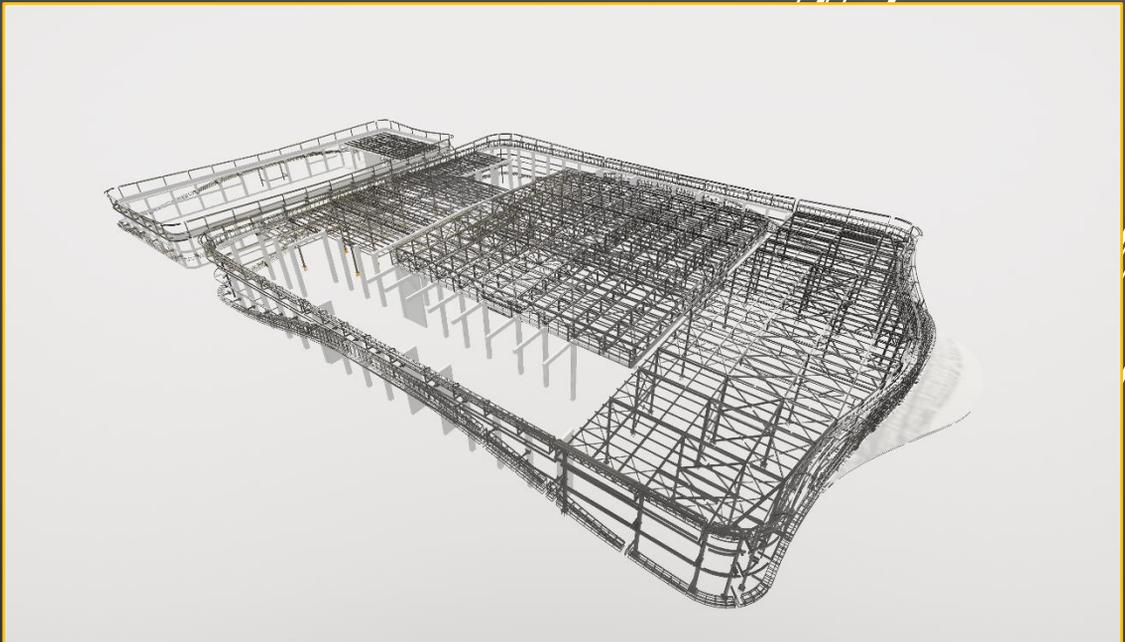


## MCS ENGINEERING

"TASHKENT CITY ZONE 5- CONGRESS CENTER and HOTEL", Tashkent,  
TÜRKMENİSTAN

80000m<sup>2</sup> total area with largest 70m span, total weight: 1900 t (main)  
and 280 t (facade)

Structural design consultancy for ARUP and structural optimization  
works. Preparation of application drawings, consultancy for fabrication  
and erection works

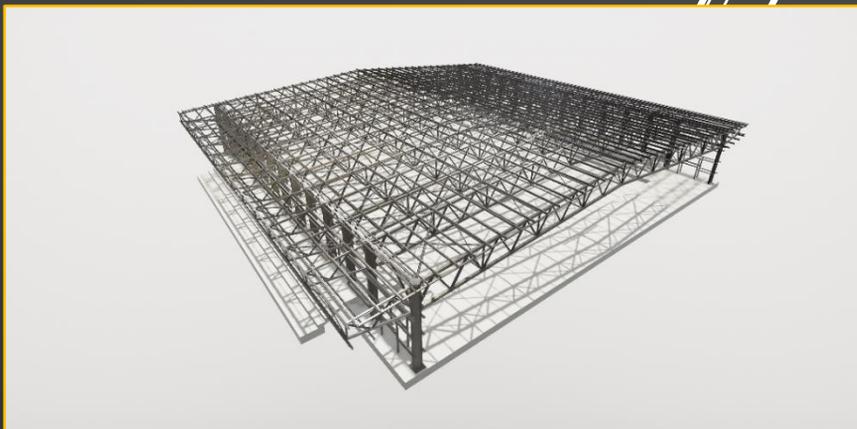
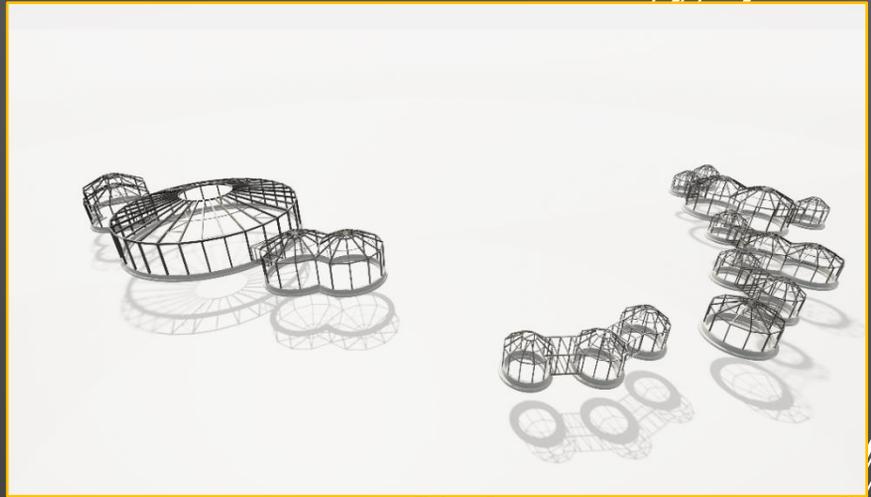


## TPF Planege Cenor – Consultores de Engenharia e Gestao, S.A.

ATA SPORLARI PARKI, İstanbul, TÜRKİYE

Horsemanship structure with 80m x 70m plan area and auxiliary structures. Total weight: 775 t.

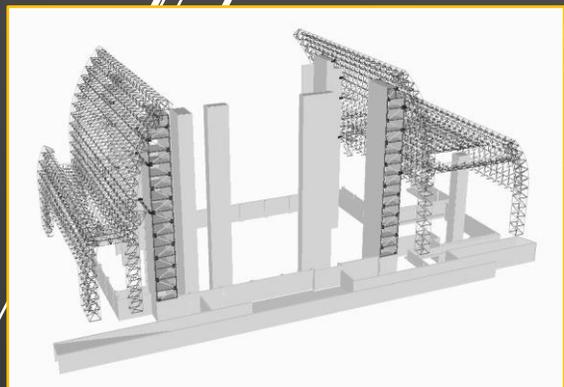
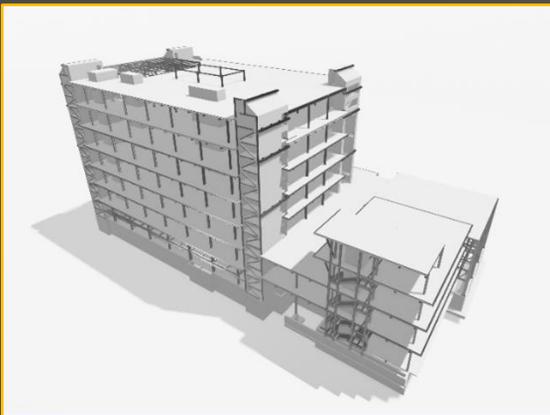
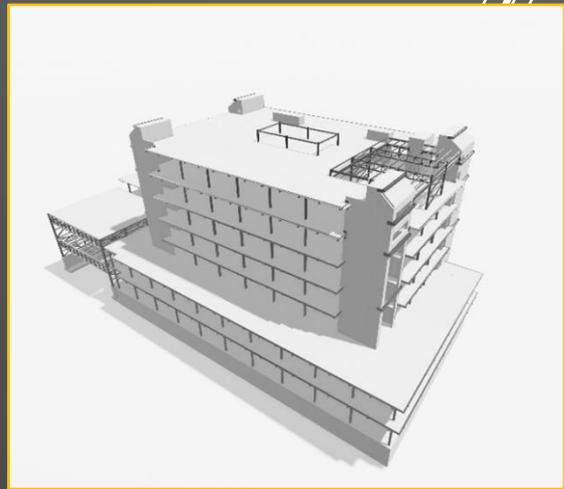
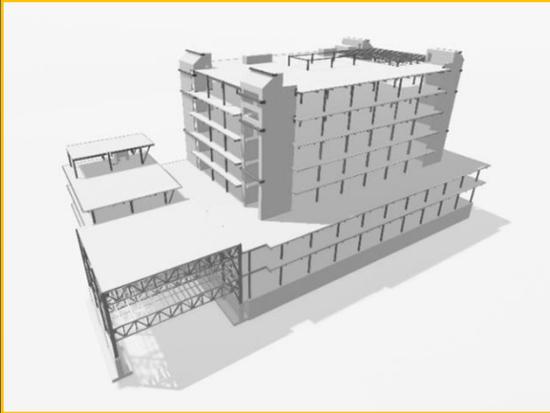
Structural calculations and application drawings



## REC BRANCH LIBYA

HLA HEADQUARTERS OF LIBYAN AUDIT BUREA, Tripoli, LIBYA  
Retrofit and extension of existing steel building. Total weight: 775 t.

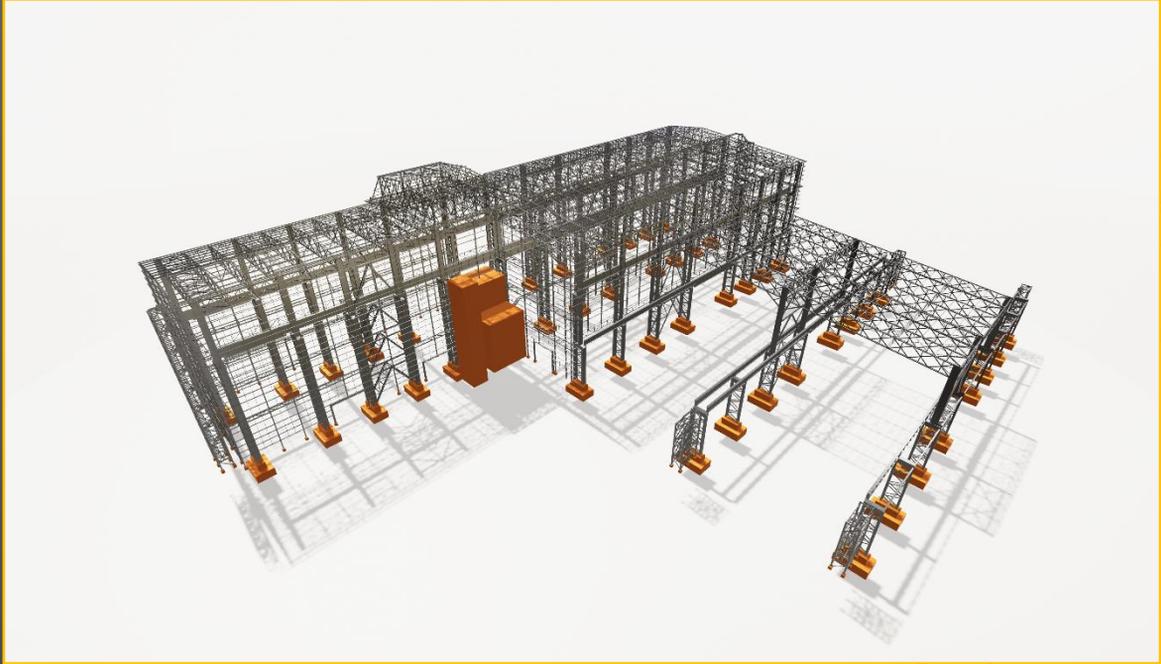
Structural steel and R/C calculations, application drawings,  
production and erection consultancy works



## AL-RAI GENERAL TRADE CO.

Electric arc furnace (EAF) structure, Damascus, SYRIA  
Steel mill structure with 750000 t annual capacity  
Total weight: 4100 t (including interior steel structures)

Structural calculations and application drawings



EAF MAINTENANCE PLATFORMS



LF PLATFORMS



ALLOY SYSTEM BUILDING

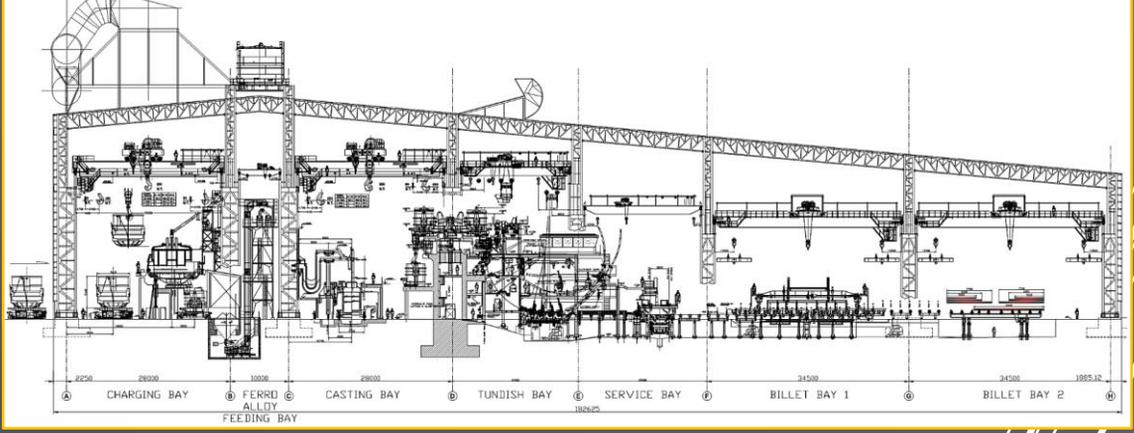


# ÖZKAN DEMİR ÇELİK A.Ş.

Steel Mill Building, İzmir, TÜRKİYE

Interior structures inside the main steel structure  
machine foundations, R/C structures and structural steel structures

## Structural calculations and application drawings



### Reinforced concrete structures

3 Katlı EAO trafo binası  
EAO kumanda binası  
Pota ocağı trafo binası  
Kontinü döküm hidrolik, elektrik ve kontrol binası  
Oksijen ve doğalgaz valf stand odası  
EAO Hidrolik Elektrik Kontrol Binası  
Laboratuar Binası  
Pota ocağı elektrik ve kontrol odası  
Ana trafo ve elektrik binaları  
Kalıp hazırlama ve bakım onarım binası  
Ana enerji dağıtım merkezi binası  
Toz toplama binası frekans konverter ve trafo binası

### Machine foundations

Kontinü döküm makinesi temeli  
Taret temeli  
Hurda arabası ray yolu temeli  
EAO Temeli  
Pota transfer arabası temeli  
Yanma kamarası-Ocak çekiş su soğutmalı  
Boru ayak temeli  
EAO Çalışma platform temeli  
Elektrod stand temeli  
EAO alt çanak örüm platform temeli  
EAO sepet ve kapak park temeli  
Yatay pota ısıtıcı temeli ve pota örüm -kırım temeli  
Pota kurutma (dikey)temeli

Pota transfer arabası ray yolu temeli  
Pota ocağı ekipman temeli  
Yükleme bunkerı çukuru silo ve Konveyör temelleri  
Pota ısıtıcı temeli  
Pota trans. arabası ray yolu uzantı temeli  
Soğutma kamarası ve döküm platform Temelleri  
Çekici doğrultucu temeli  
Sabit manken temeli  
Tandış kurutma, örüm ve devirme temeli  
Kontinü döküm makinesi ara rulolu yol temeli  
Oksijen kesim temelleri  
Kalıp hazırlama standı temeli  
Kütük çıkış transfer temeli

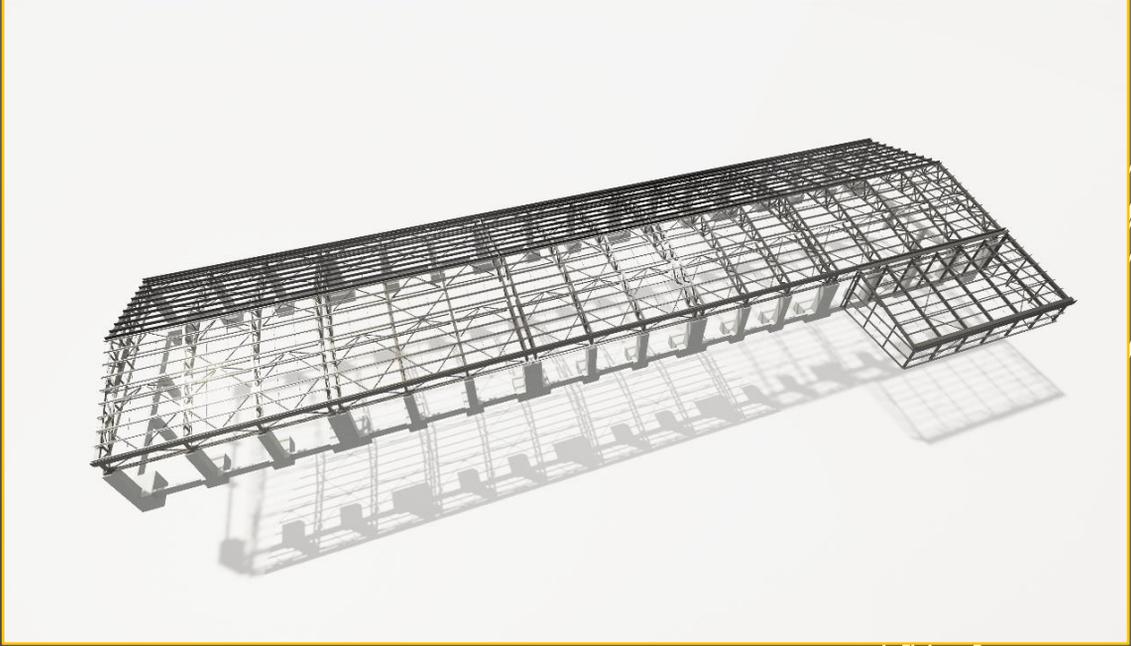
### Structural steel structures

8.00 Katlı EAO etrafı çelik platformu  
4.50 Katlı EAO sürgü bakım platformu  
A aksı yürüme platformu  
Pota ocağı çevresi +6.00m çelik platformu  
Yatay pota ısıtma platformu  
Dikey kurutma platformu  
Pota örüm platformu  
Pota Kırım platformu  
11.00 m üst kotunda döküm platformu üst ve ara katlarda platformları

## ENERGO-PRO

Alpaslan II HEPP 280MW, Muş, TÜRKİYE  
Power plant structural steel roof with 3000m<sup>2</sup> plan area  
Total weight: 230t.

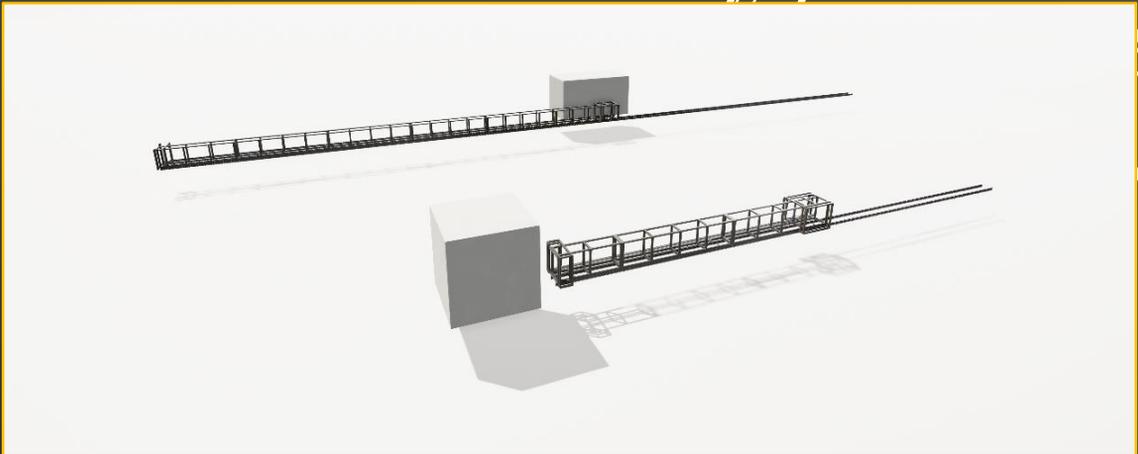
Structural calculations and application drawings



## ENERGO-PRO

Turbine and generator factory, Ankara, TÜRKİYE  
30m ve 13m wide steel gates

Structural calculations, application drawings,  
manufacture and erection works



## SMS GROUP

225000 TPA MNI MILL Facility, IRAN

28000m<sup>2</sup> closed area;

LINE C, wire drawing line coil to wire - 26m x 276m

BUNDLES STORAGE - 26m x 324m,

Crane Span – 26.00m, Crane: 3 x 200kN

LINE A-B, SBQ line & quality steel wire rod line - 26m x 324m,

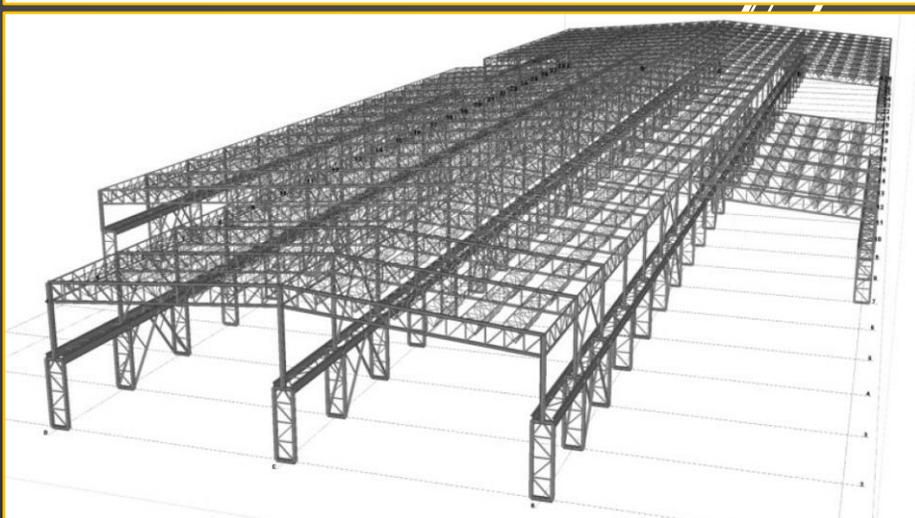
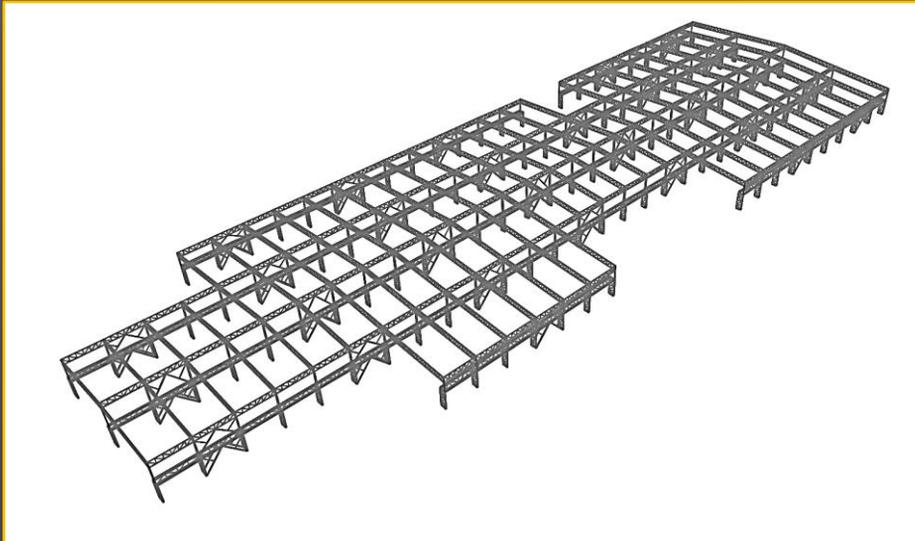
Crane Span - 26.00m, Crane: 2 x 200kN

ROLL and GUIDE SHOP – 26m x 252m, Crane Span - 26.00m,

Crane: 3 x 200kN

Total weight: 2900 t

Preliminary structural calculations and drawings



## NURAN DEMİRTAŞ PROJE

DSİ ILISU dam reservoir area, Hasankefy region, TÜRKİYE  
Süleyman Han and El-Rizk ancient mosque minarets' relocation project.  
900t minaret carrying mechanical stand with hydraulic jacks on SPMT cars,  
total weight 115 t.

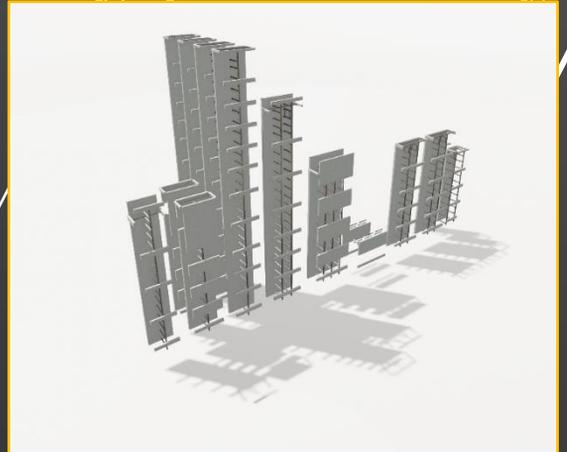
Structural steel calculations, application drawings, production and erection  
consultancy works



## VALTER LIFTS

25 piece elevator shafts, ANKARA

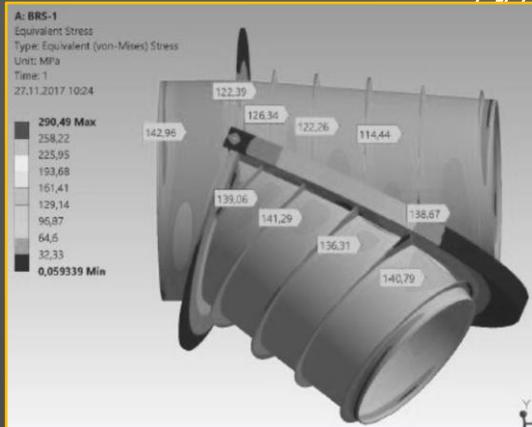
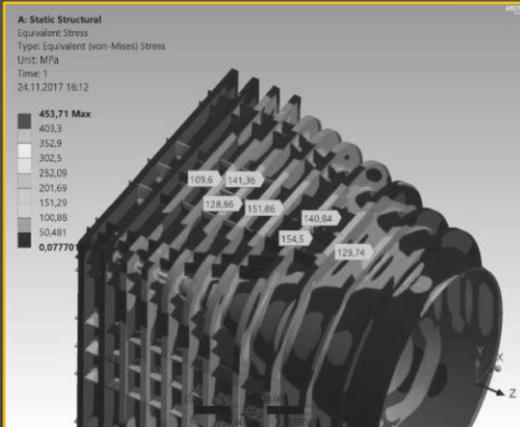
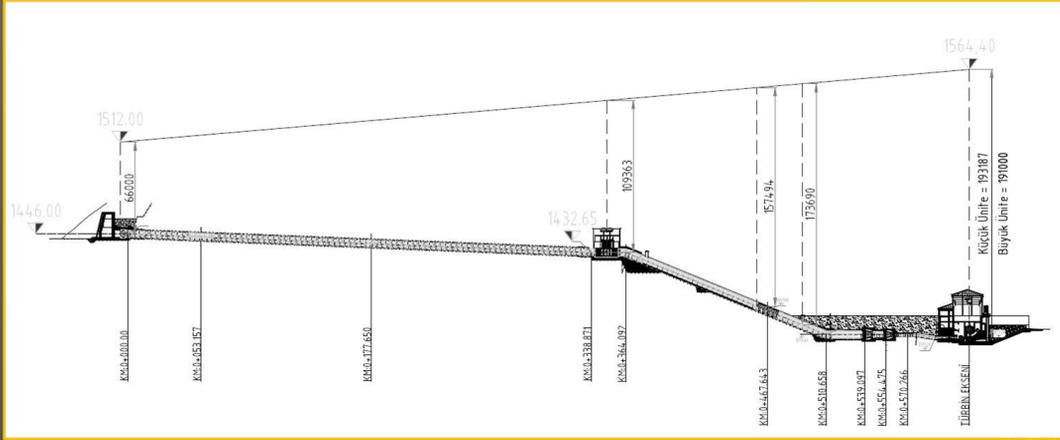
Structural calculations, application  
drawings, manufacture and erection  
works



# ENERGO-PRO

100MW KARAKURT hydroelectric power plant, Kars, TÜRKİYE

Consultancy works for hydromechanical and structural design works



# GALVANISATION TANK

Steel tank, Ankara, TÜRKİYE

Structural design, application drawings and manufacturing works



## CENOR CONSULTING ENGINEERS

KONYA Health Campus, TÜRKİYE  
280000m<sup>2</sup> construction area

Structural design consultancy works



GAZIANTEP Health Campus, TÜRKİYE  
630000m<sup>2</sup> construction area

Structural design consultancy works



## CNR MÜŞAVİRLİK

İZMİR Health Campus, TÜRKİYE (seismically isolated structure)  
680000m<sup>2</sup> construction area

Structural design consultancy works



İZMİT Health Campus, TÜRKİYE (seismically isolated structure)  
390000m<sup>2</sup> construction area

Structural design consultancy works



## CNR MÜŞAVİRLİK

ESKİŞEHİR Health Campus, TÜRKİYE (seismically isolated structure)  
333000m<sup>2</sup> construction area

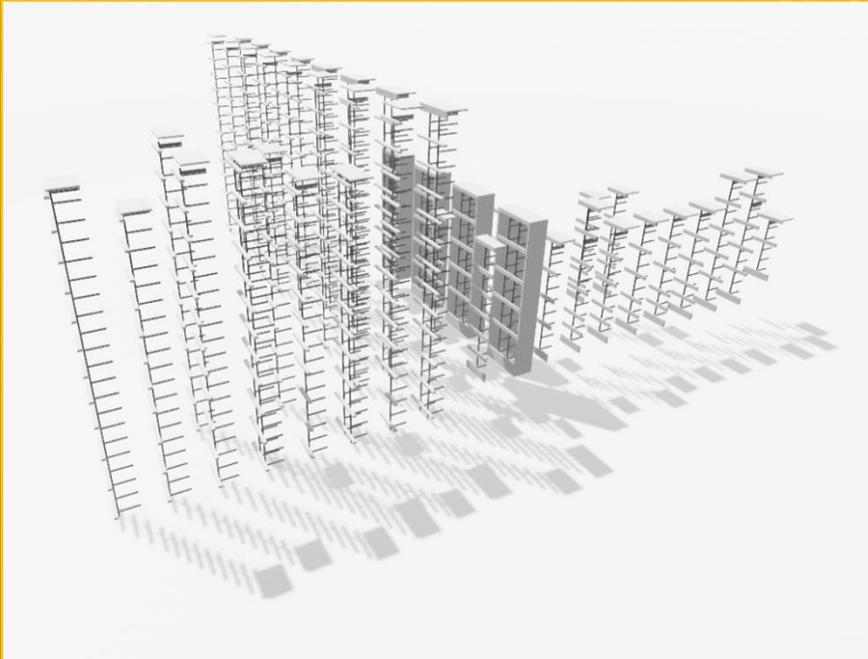
Structural design consultancy works



## MCN HOLDİNG

BİLKENT Health Campus, Ankara, TÜRKİYE  
81 piece elevator shafts, total weight 350t.

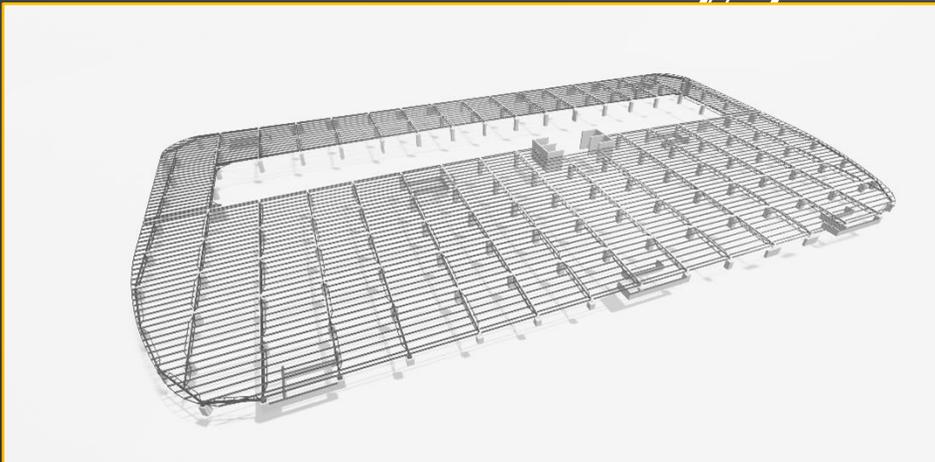
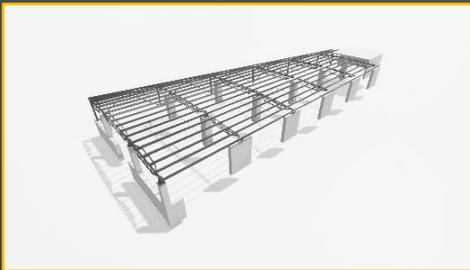
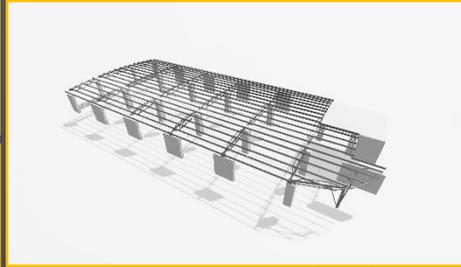
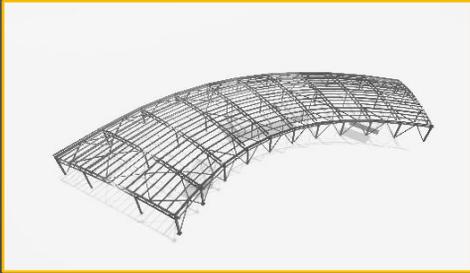
Structural calculations, application drawings, manufacture and erection works



## MNG İNŞAAT

BALIKESİR City Hospital, 15000m<sup>2</sup> structural steel roof  
Total weight: 450t.

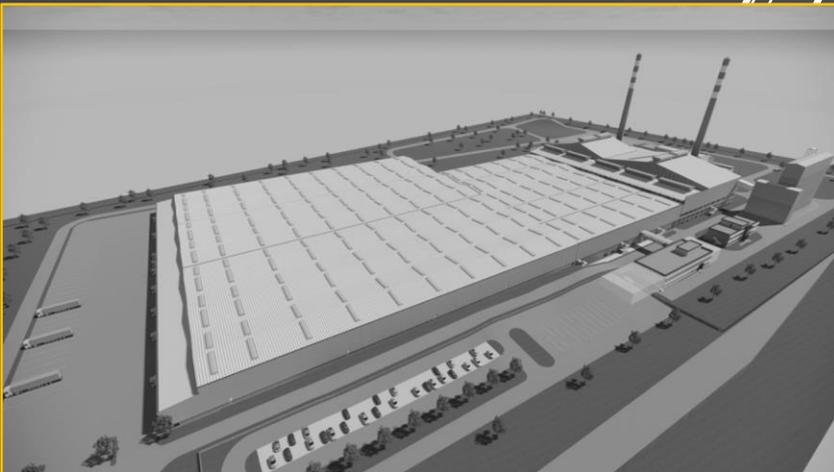
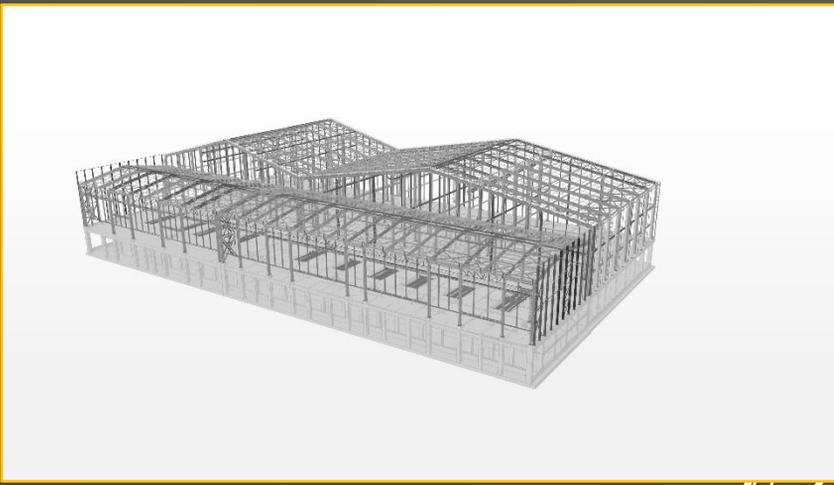
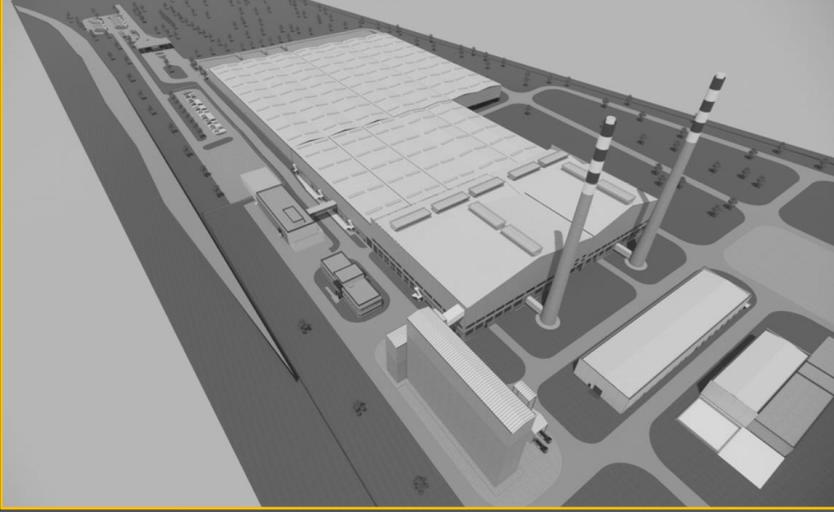
Structural calculations and application drawings



## ERYA A.Ş.

ŞİŞECAM Glass factory, Koposvar, HUNGARY  
85000m2 total construction area

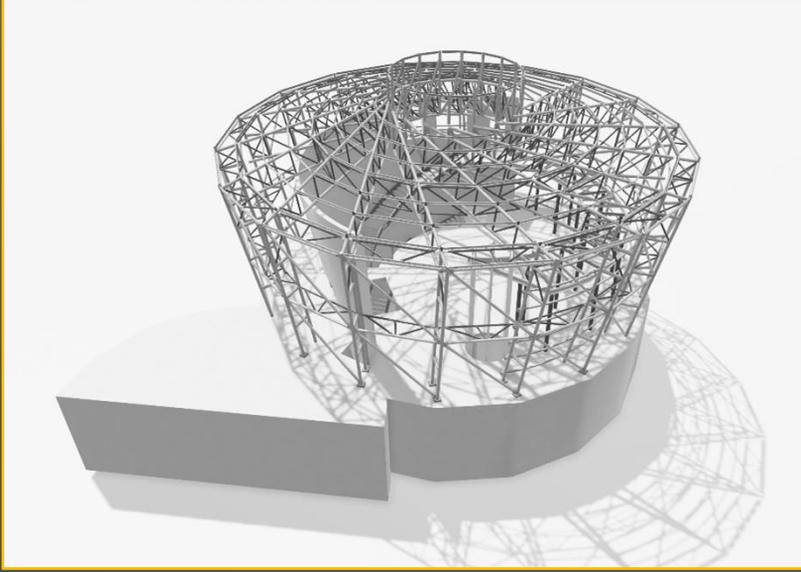
Engineering design consultancy and coordination works



## AYMAZ ARCHITECTURE

TURKSAT Showroom Structure, Ankara, TÜRKİYE  
R/C and structural steel structures

Structural calculations and application drawings



## SELİM İTEZ MÜHENDİSLİK

PERM Sport Complex, RUSSIA  
Geodesic sphere formed structural steel roof structure  
Diameter: 80m, height: 40m, total weight: 530 t.

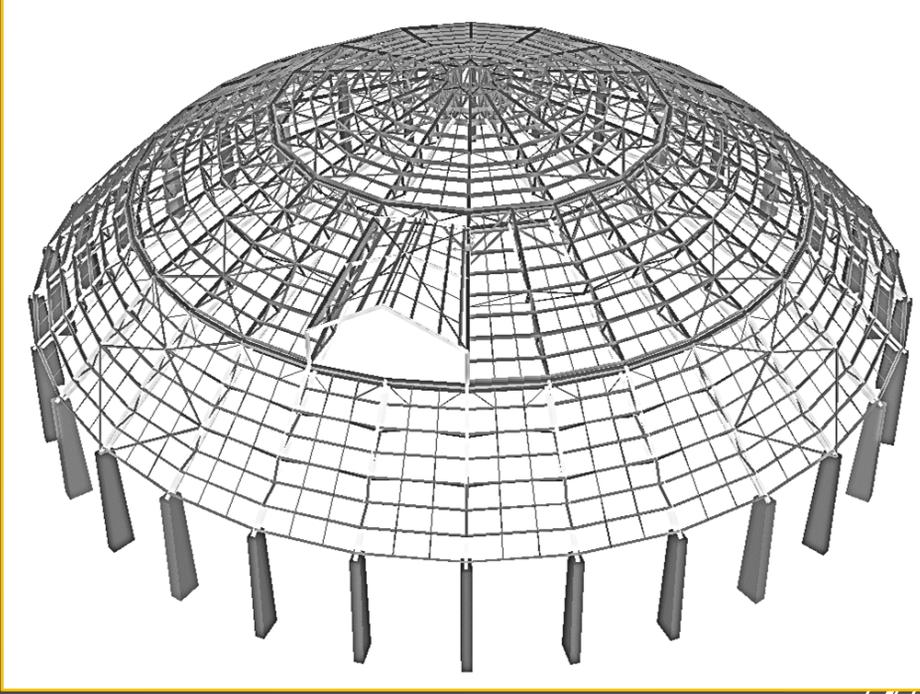
Structural calculations and application drawings



## TYP LTD.

Muş Cement Factory, Raw material stock area, TÜRKİYE  
Pre blending structure with 2250 t/day capacity  
Diameter: 67m, Total weight: 155 t

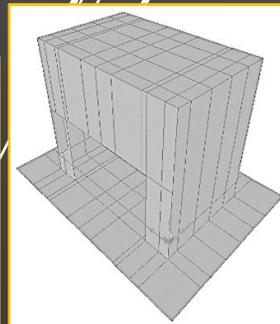
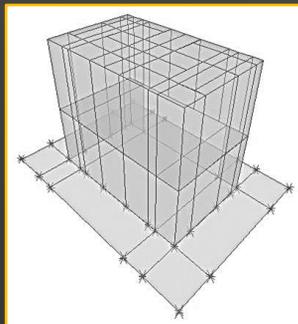
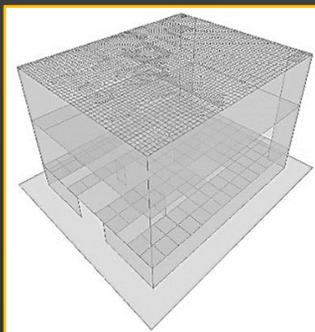
Structural calculations and application drawings



## TYP LTD.

Muğla Cement Factory, TÜRKİYE  
Rotary Kiln structure with 3500 t/day capacity  
Mechanical foundations

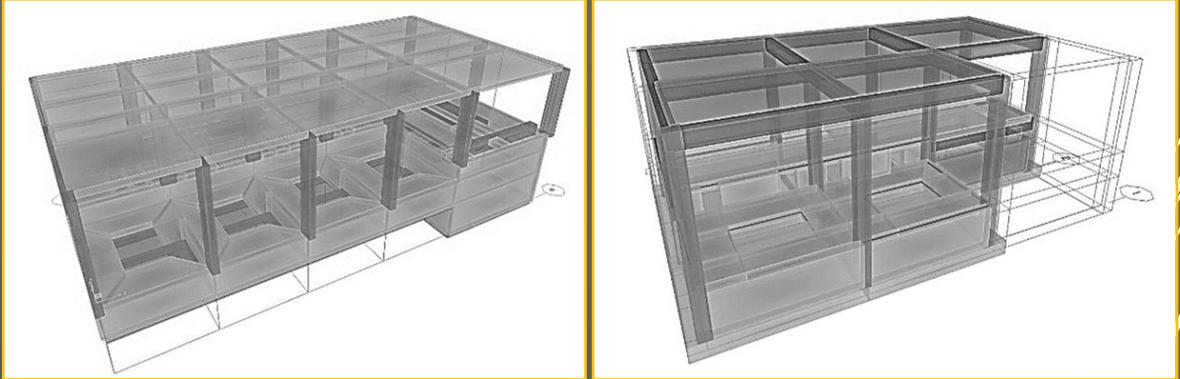
Structural calculations and application drawings



## TYP LTD.

Gama Steel Melting Complex for Round Billet Production , RUSSIA  
SH 02 6kV & SH10 Stations

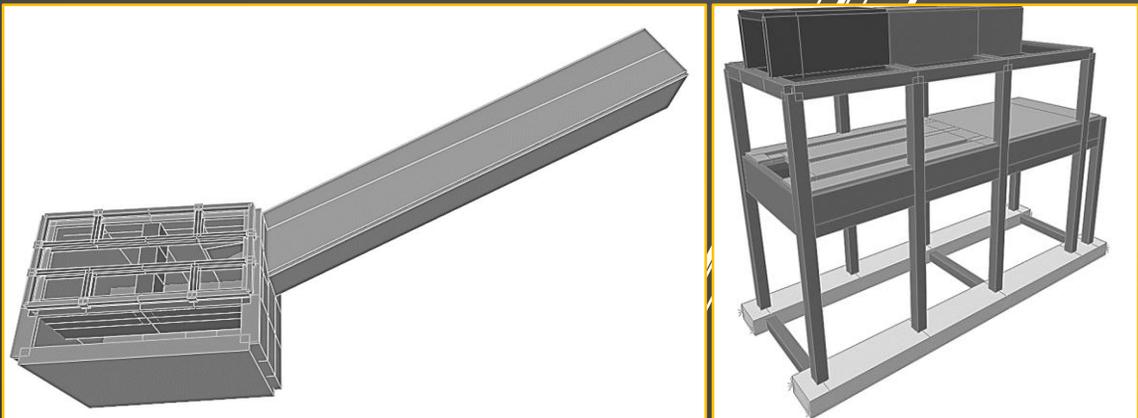
Structural calculations and application drawings



## TYP LTD.

Ore melting plant, RUSSIA  
Pressured air room, Calcite Bunker structure and connection galleries

Structural calculations and application drawings

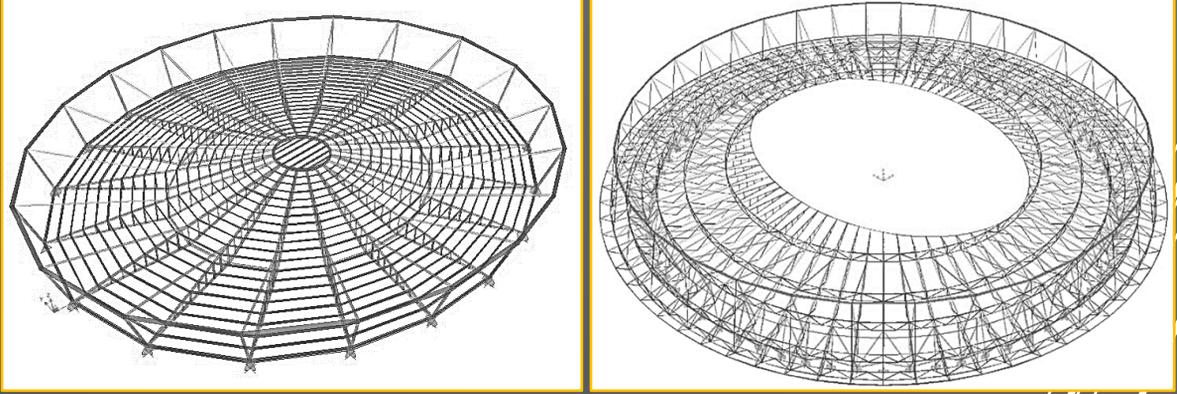


## BİRYAPI A.Ş.

Antalya Municipality, TÜRKİYE

Arena structure (~660t.) and Stadium structure (~2480t.)

Preliminary structural design



## PETROFAC

Jihar Stage 3 Project, SYRIA

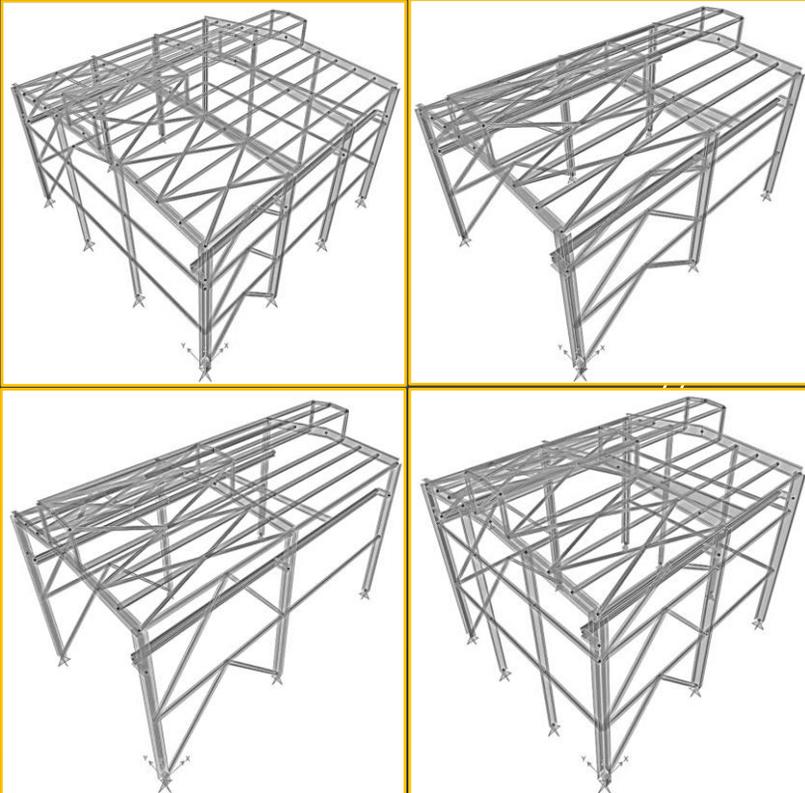
Regeneration Compressor ( C-2401 A/B) Gas Treatment Plant

De-Ethimizer Overhead Gas Compressor (C-2503)

Instrument & Utility Air System (X-2780) Gas Treatment Plant

Turbo Expander Shelter (C-2501/EXP-2501) Gas Treatment Plant

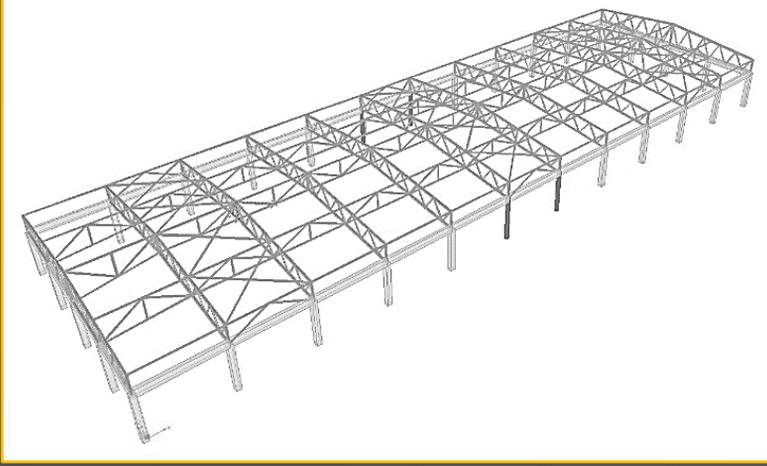
Structural calculations and application drawings



## BİLTEK

RABEA POINT OF ENTRY SCREENING FACILITY, IRAQ  
Administrative Building structural steel roof with  
1350 m<sup>2</sup> plan area and 30 t weight

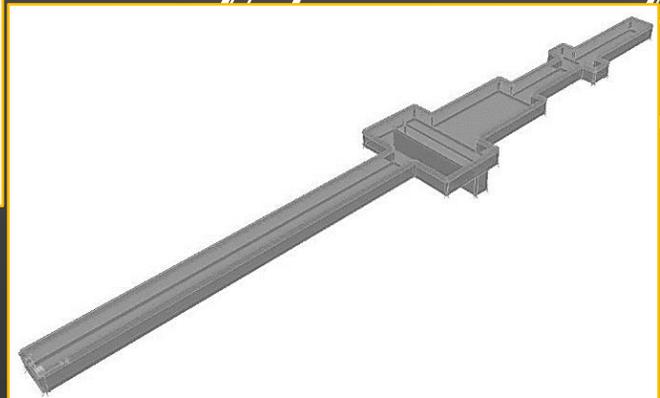
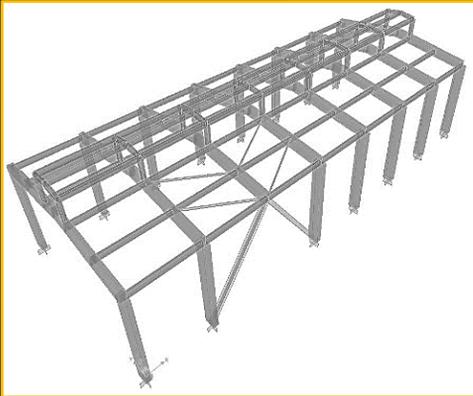
Structural calculations and application drawings



## MİTAŞ

POLYGON Workshop, Ankara, TÜRKİYE  
'Seam Welder' Foundations, retrofit of existing R/C warehouse structure

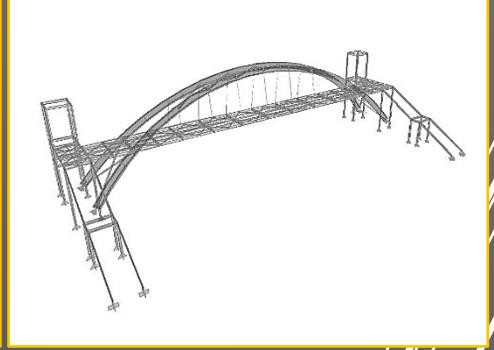
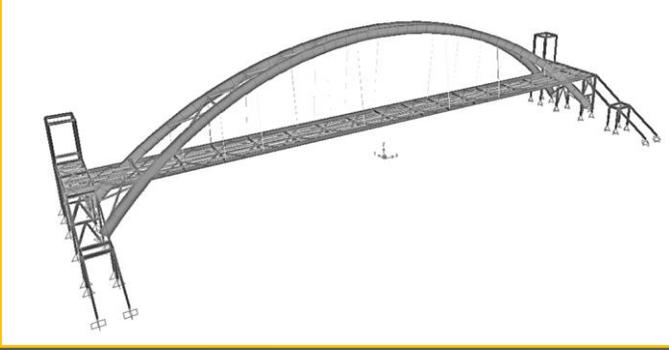
Structural calculations, application drawings, manufacture and erection works



## GİRESUN MUNICIPALITY

Karadeniz highway pedestrian bridges, Giresun, TÜRKİYE  
45m and 75m span structural steel bridges

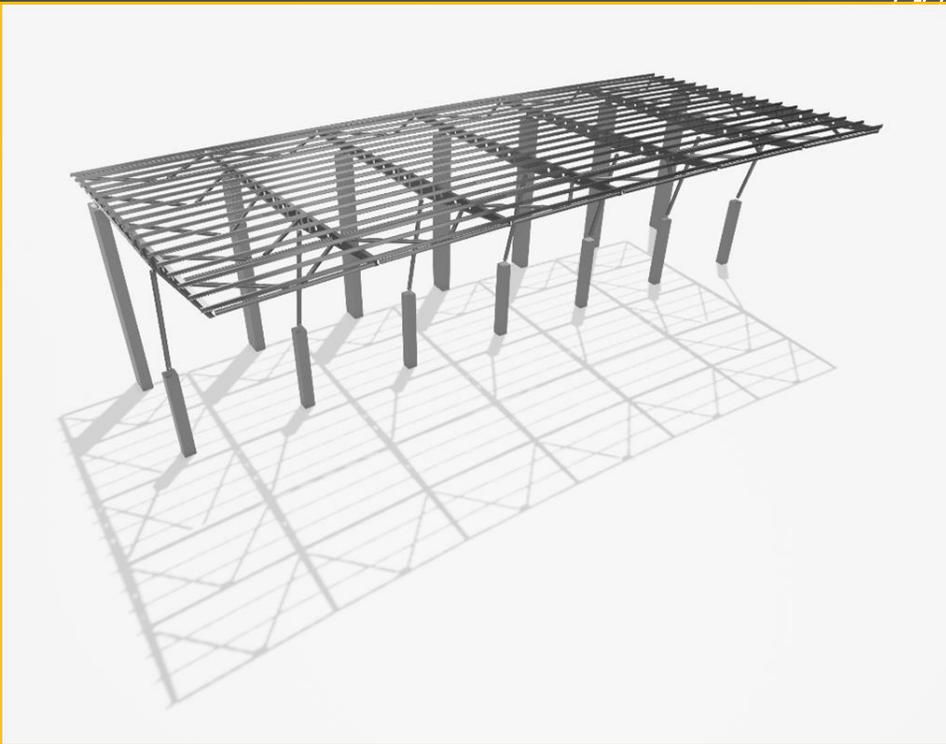
Structural calculations and application drawings



## ONUR CONSTRUCTION

Afyon Kocatepe University, Afyon, TÜRKİYE  
Structural steel stadium roof, total weight: 46 t.

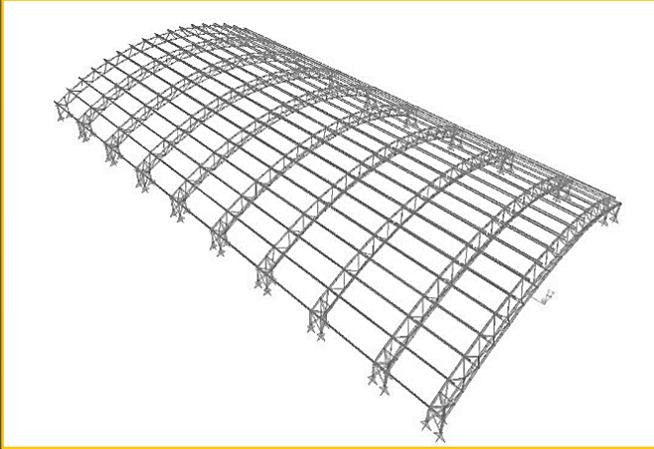
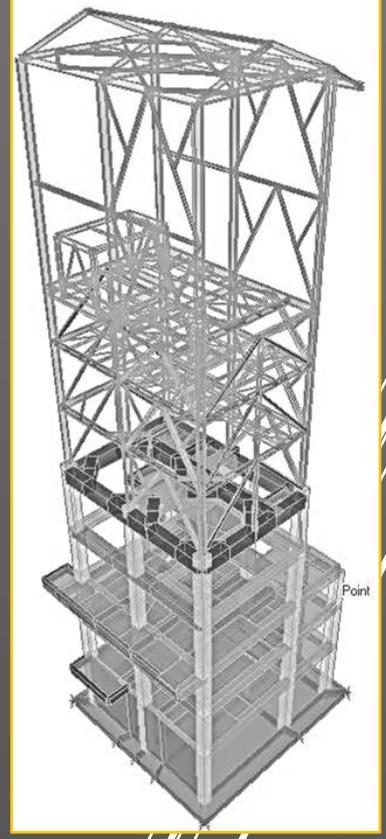
Structural calculations and application drawings



## PROKON ENGINEERING

HASANOĞLAN cement factory, TÜRKİYE  
Coal Mill feeding bunker structure

Structural calculations and application drawings



## KONTUR-SEL

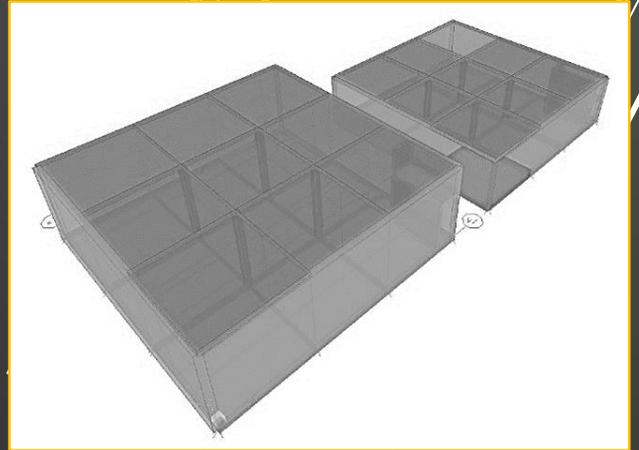
Skylight Structure, Moldova  
Total weight: 26 t.

Structural calculations and  
application drawings

## ÖZTAŞ A.Ş.

Agricultural Water Tanks, LIBYA  
500m<sup>3</sup> and 1000m<sup>3</sup> capacity

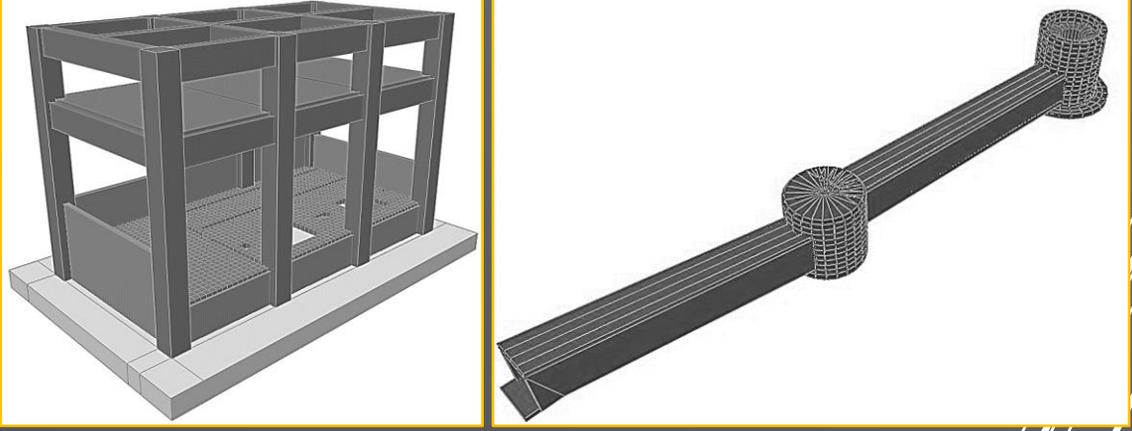
Structural calculations and  
application drawings



## TYP LTD.

Muş cement factory (2250 t./day capacity), TÜRKİYE  
Electro Filter structure, raw material stock shaft and galleries

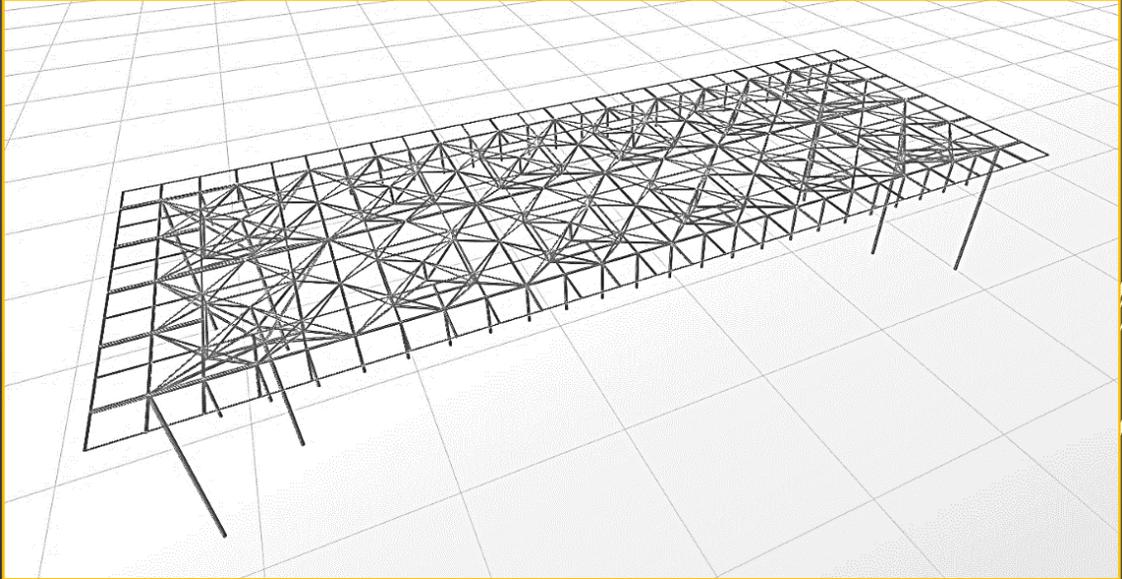
Structural calculations and application drawings



## DEMİRSAN LTD.

Al Fateh University, Dental Faculty, LIBYA  
Structural steel canopy; 4160m<sup>2</sup> plan area, 175 t weight

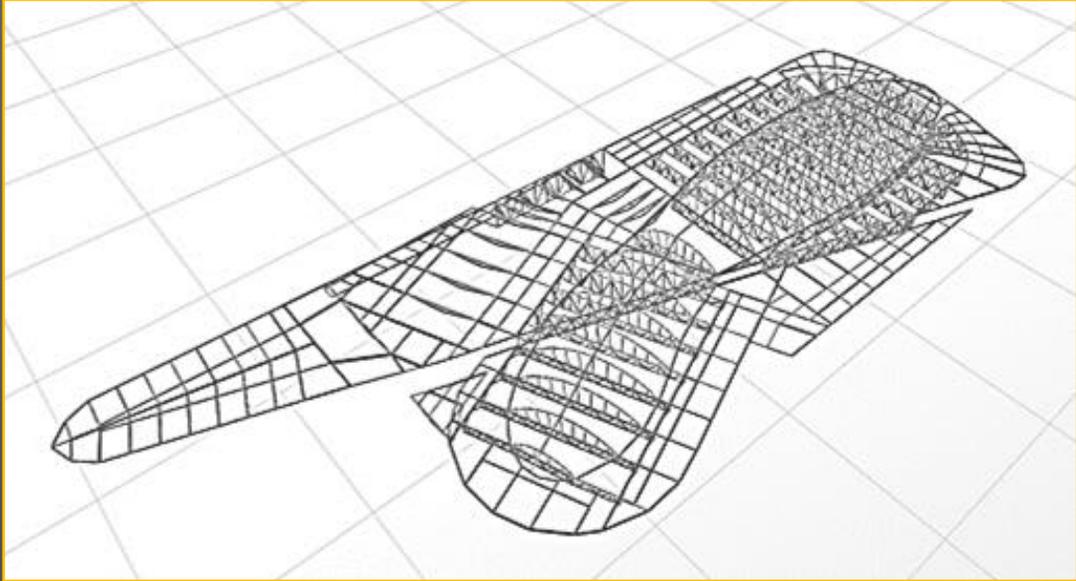
Structural calculations and application drawings



## SELİM İTEZ ENGINEERING

Ice-skating Hall, Perm, RUSSIA  
Structural steel roof with ~890 t weight

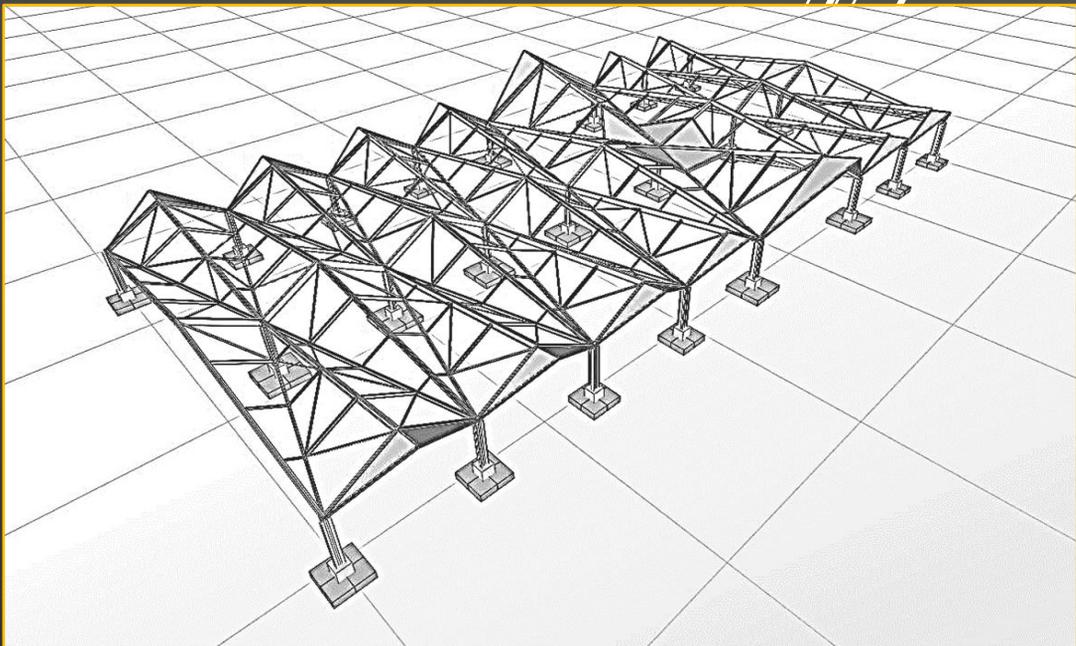
Preliminary structural calculations and drawings



## DORÇE

Open Market at Green Belt Sector 5, IRAQ  
Structural steel canopy with 950 t weight and 6500m<sup>2</sup> plan area

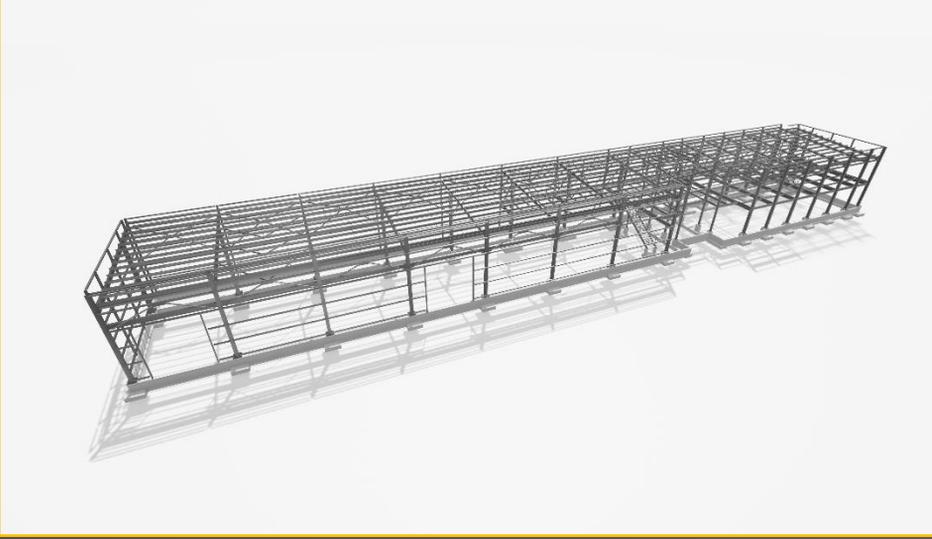
Structural calculations and drawings



## ERKUNT MACHINERY

AR-GE Building, Ankara, TÜRKİYE  
Construction area: 1500m<sup>2</sup>, Total weight: 90 t

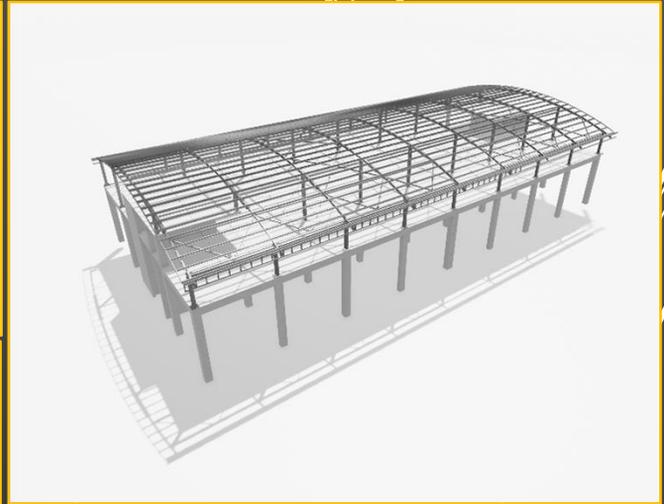
Structural calculations and drawings



## OTTO INVESTMENT

Meydan 54 Project, Sakarya, TÜRKİYE  
Structural steel roofs; 2500m<sup>2</sup> plan area with 90 t weight

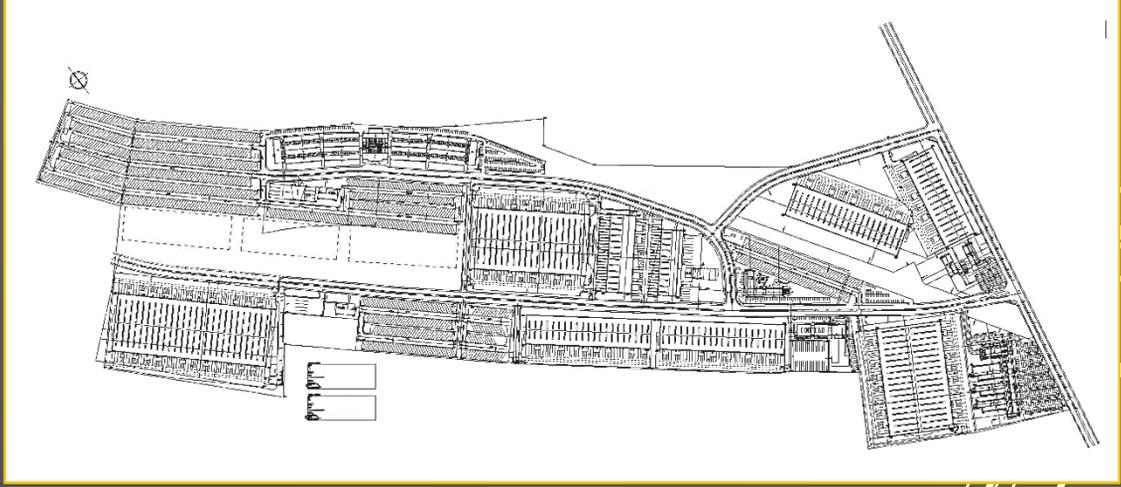
Structural calculations, application drawings, manufacture and erection works



## ÖZÇELİK-İMAJ-TAN JV

RODER Kazan Logistics Center, Ankara , TÜRKİYE  
Warehouses, Vehicle maintenance structures, Social Buildings,  
Administrative buildings

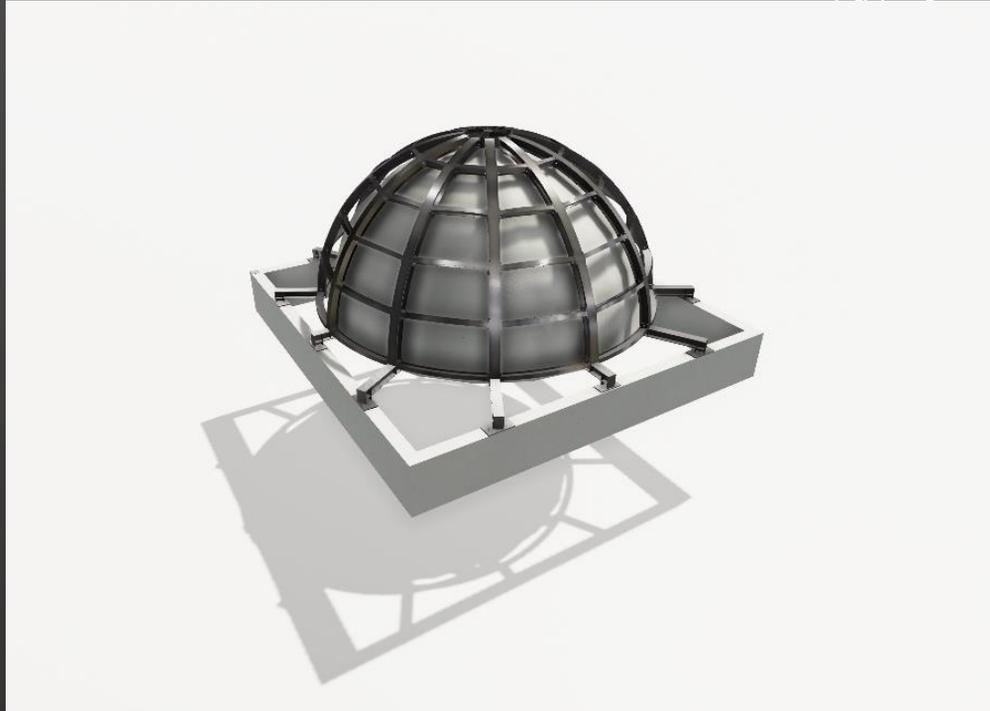
Structural calculations and application drawings



## BAHAR AVİZE

3t chandelier carrying steel dome, Doha, KATAR

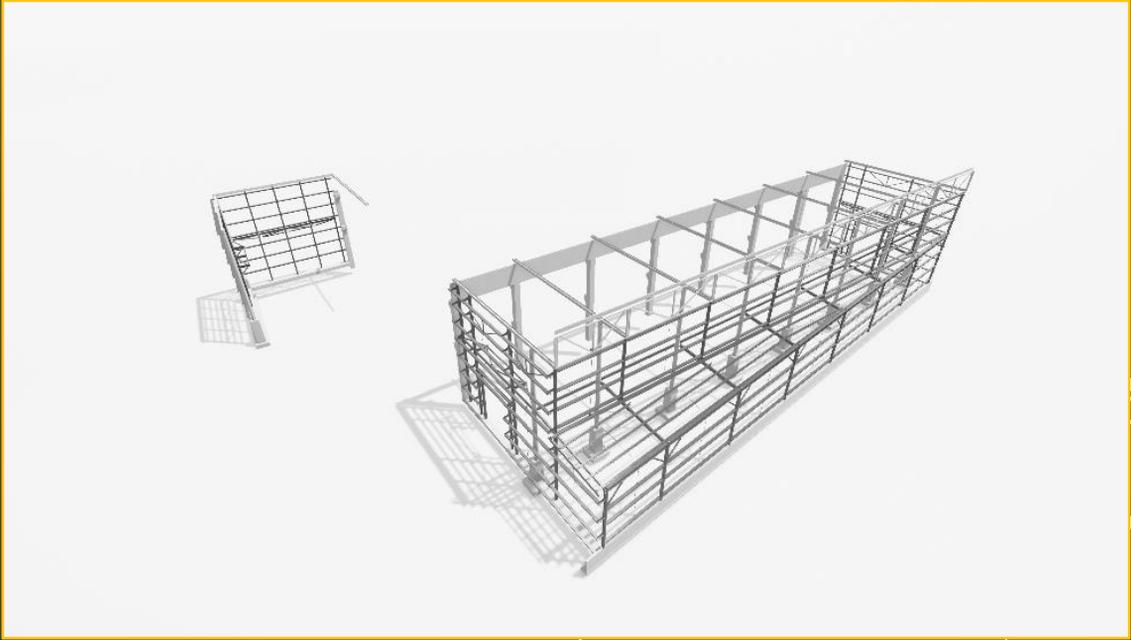
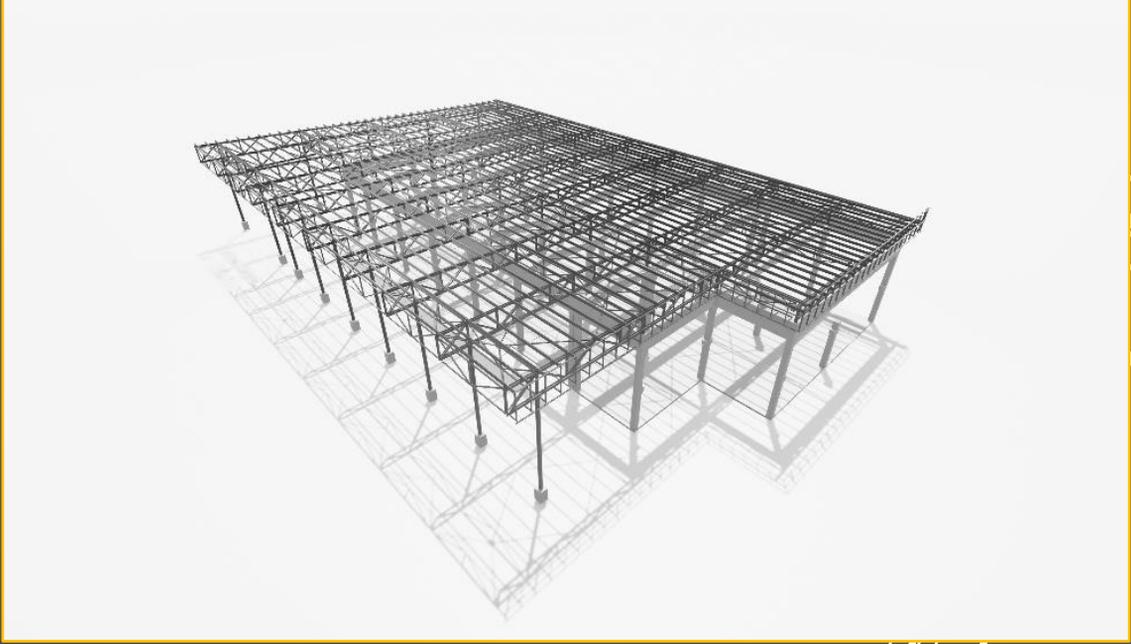
Structural calculations, application drawings, manufacture and  
erection works



## TTT WORLD

Factory building retrofit and extension project, Ankara, TÜRKİYE  
Total weight, 145 t

Structural calculations, application drawings, manufacture and erection works



## ERYA A.Ş.

METEKSAN, DUNKER Simulation Building, İzmir, TÜRKİYE  
4200m<sup>2</sup> construction area

Structural design consultancy works



## NURAN DEMİRTAŞ PROJE

PATARA Historical counsel building, Antalya, TÜRKİYE  
Additional roof cover to ancient masonry structure, 265 t

Structural calculations and application drawings



## ERYA A.Ş.

HAVELSAN, Factory building, Ankara, TÜRKİYE  
9200m2 construction area

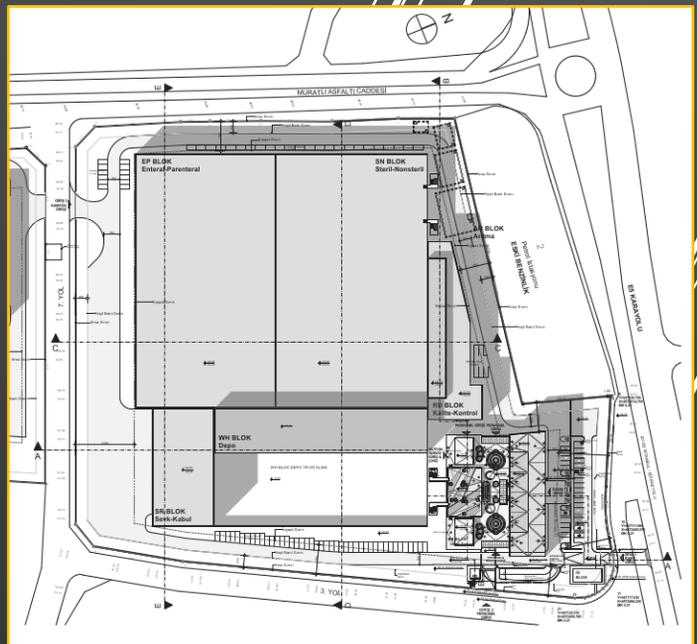
Structural design consultancy works



## ERYA A.Ş.

VEM Pharmacy  
New production and  
storage campus,  
Kırklareli, TÜRKİYE  
37000m2 construction area

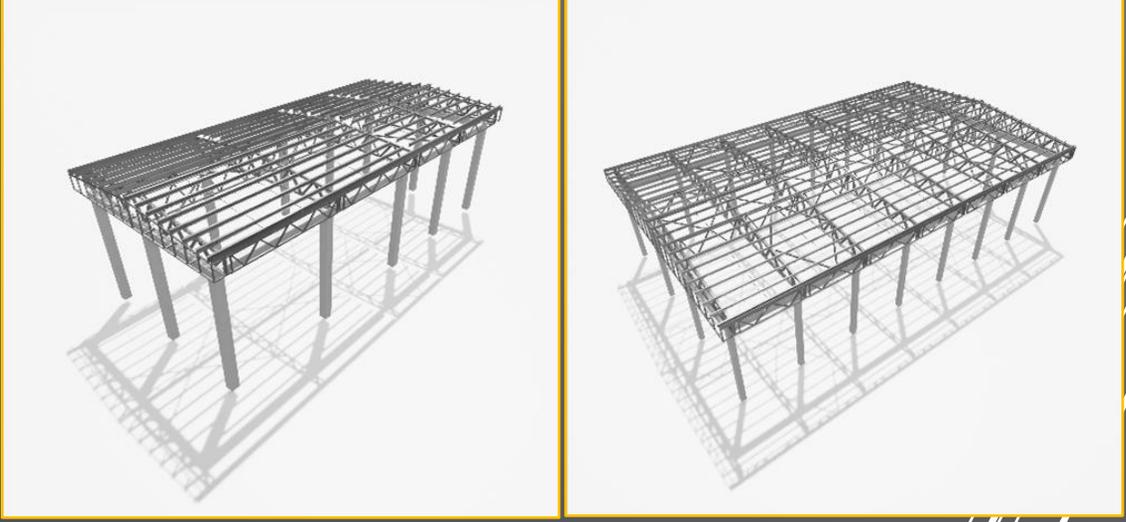
Structural design  
consultancy works



## ART ÇEVRE TEKNOLOJİLERİ

KARS wastewater collection and treatment facilities, TÜRKİYE  
Total weight: 90 t

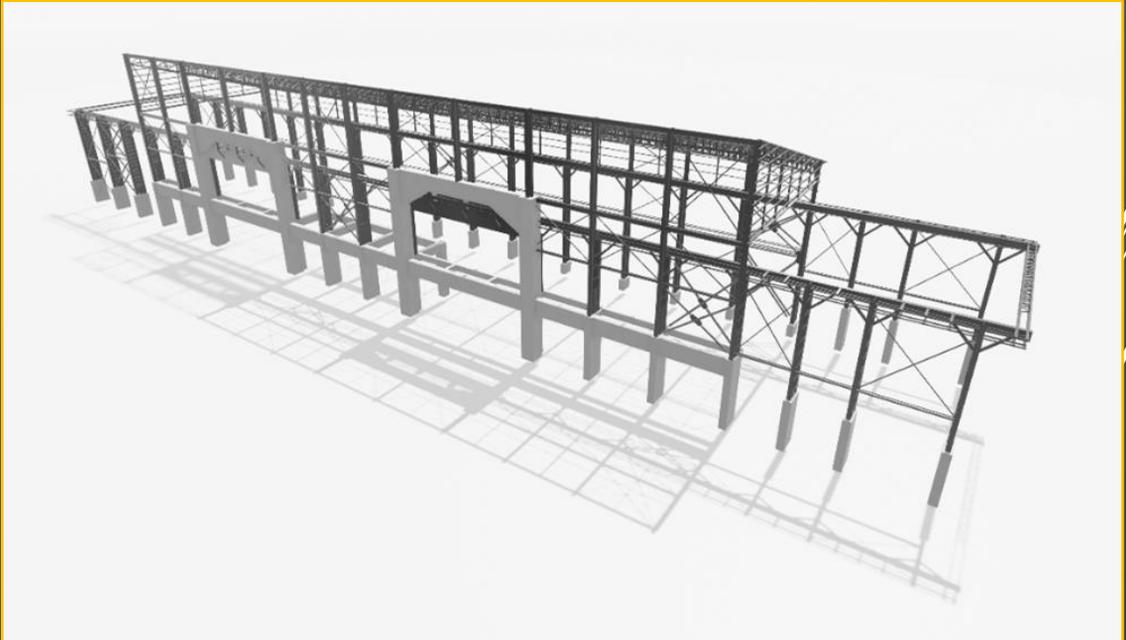
Structural calculations and application drawings



## BİRİKİM ENGINEERING

Eti Krom Production Building A, Elazığ, TÜRKİYE  
Retrofit of crane runway girders and structure due to  
capacity increase btw. Axes B-D

Structural design consultancy works



## ERYA A.Ş.

MALATYA railway car factory retrofit project, TÜRKİYE  
35000m<sup>2</sup> construction area

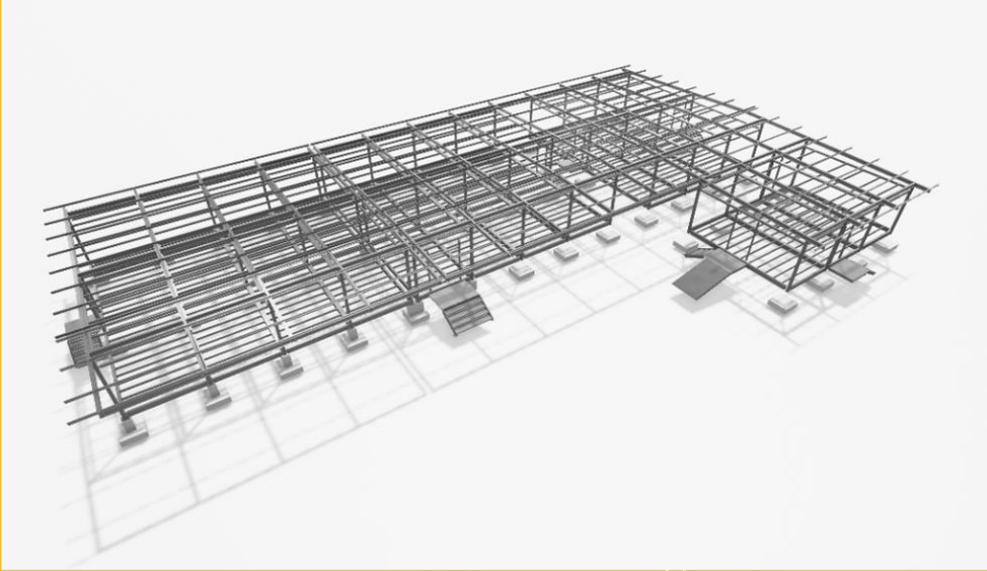
Structural design consultancy works



## GAZPROM

CPF S-1 WELL SITE, IRAQ  
Structural steel structures, total weight 110 t

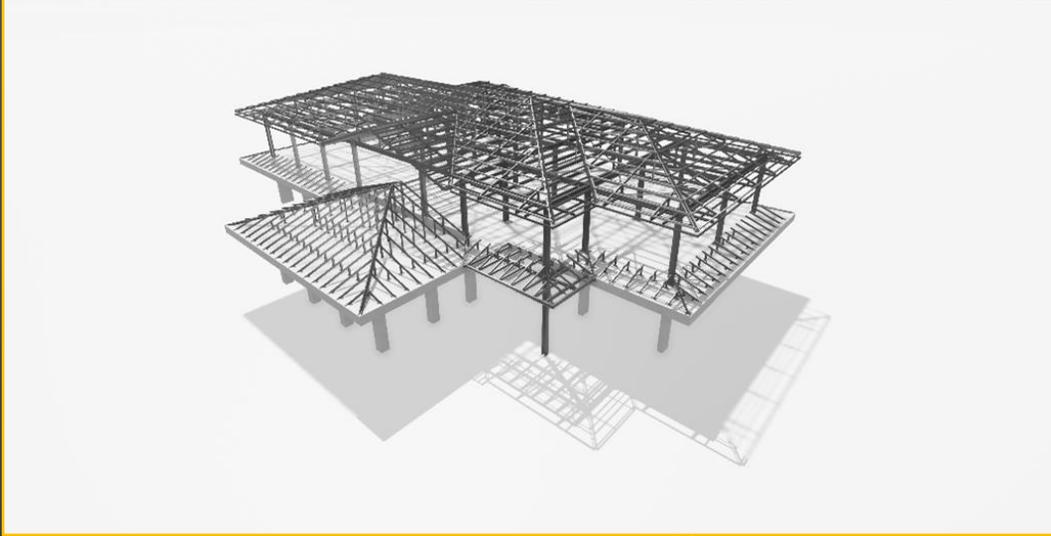
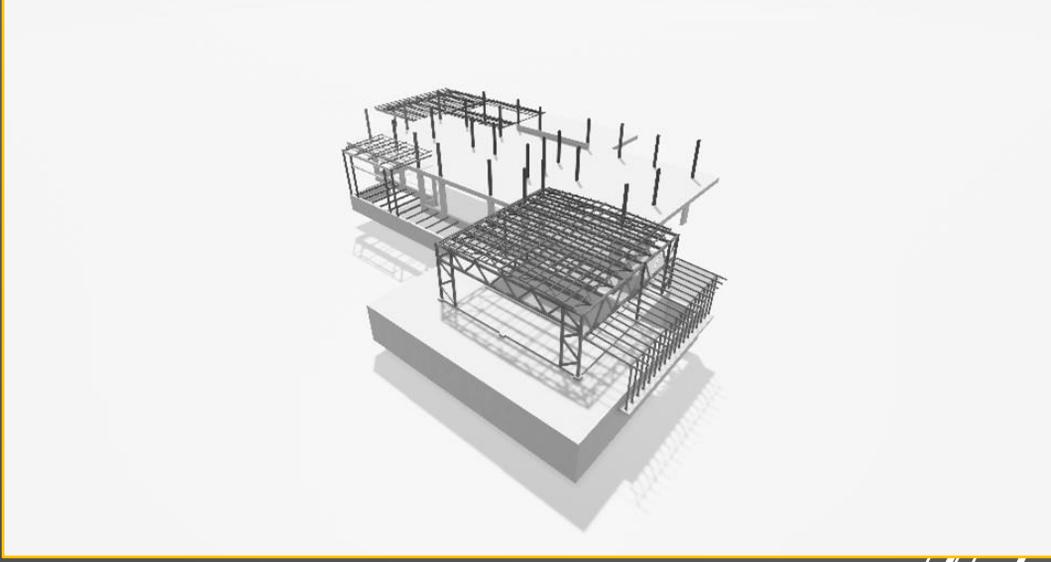
Structural calculations and application drawings



## A4 YAPI PROJE

DAL family house, Ankara, TÜRKİYE  
Retrofit and extension project of existing R/C structure

Structural calculations, application drawings, manufacture and erection works



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