











TEMSAN IN BRIEF

Current Fields of Activity:

- Industrial facilities, factory buildings, car parks, aircraft shelters, multi-purpose warehouses and hangars,
- Multi-storey steel buildings,
- Architectural steel structure applications,
- Fuel storage tanks with fixed or floating ceilings of various capacities (1 m3 to 100,000 m3) conforming API 650 and BS 2654 standards,
- Chemical treatment and process tanks,
- Over-head cranes, harbor cranes, portal cranes and conveyor systems,
- Steel bridges,
- Large size sliding and hinged door systems, blast doors (factories, military aircraft shelters, etc.)
- Stadium roofs, theme-park roofs, sports arenas and similar structures.







CERTIFICATES

• ISO 9001

• ISO 14001

• OHSAS 18001







CERTIFICATES

•EN 1090-2





Welding Certificate

in accordance with EN 1090-1, table B.1, its hereby declared: The manufacturer has produced evidence that he fulfilis the requirements of the European standard EN 1090-2 for execution of structural steel components

TEMSAN YAPI ve MAKINA ENDÜSTRI A.S.

Baskent Organize San. Böl. 15. Cad. No:6 TR 06909 Maliköy - Temelli - Sincan Ankara

Technical specification EN 1090-2:2008+A1:2011 EXC4 according to EN 1090-2

Execution class(es)

111 - Manual metal arc welding Welding Process(es) 121 - Submerged arc welding with solid wire electrode 135 - Metal active gas welding

Material Group

1.1, 1.2 according to CEN ISO/TR 15608 and EN 1090-2, table 2 and 3

born on: 26.03.1970 Sebnem Isiyel, EWE

born on: 06.06.1979 born on: 09.10.1982 Gürol Ugur Yanar, IWE Hakan Bezgeli, IWE

All provisions concerning welding as described in the above mentioned technical specification(s) were applied. Confirmation

14.10.2015 Validity start Period of validity 13.10.2018

Place and date of issue

Düsseldorf, 14.10.2015

DVS ZERT GmbH. Aachener Straße 172, 40223 Düsseldorf, GERMANY, www.dvs-zert.de

hucuhe

Dipl.-Ing. Gurschke

• DIN EN ISO 3834-2

GSI - Gesellschaft für Schweißtechnik International mbH Niederlassung SLV Berlin-Brandenburg



Zertifikat

Certificate

Dem Unternehmen The Company

TEMSAN YAPI VE MAKINA ENDÜSTRI A.S.

TR 06605 Maliköy/Temelli ANKARA, Baskent Organize Sanayi Bölgesi 15. Cad.No: 6 & 13

wird bescheinigt, dass es in dem gemäß Anlage angegebenen Umfang den Nachweis erbracht hat, die schweißtechnischen Qualitätsanforderungen nach fulfils the weiding quality requirements acc. to

DIN EN ISO 3834-2

Zu erfüllen. Within the extended, stated and provided evidence indicated in the attached appendix

1555/16

2016-11-12 to 2019-11-11

Ausgestellt am: 2016-11-09

> Zertifizierungsstelle Body of certification

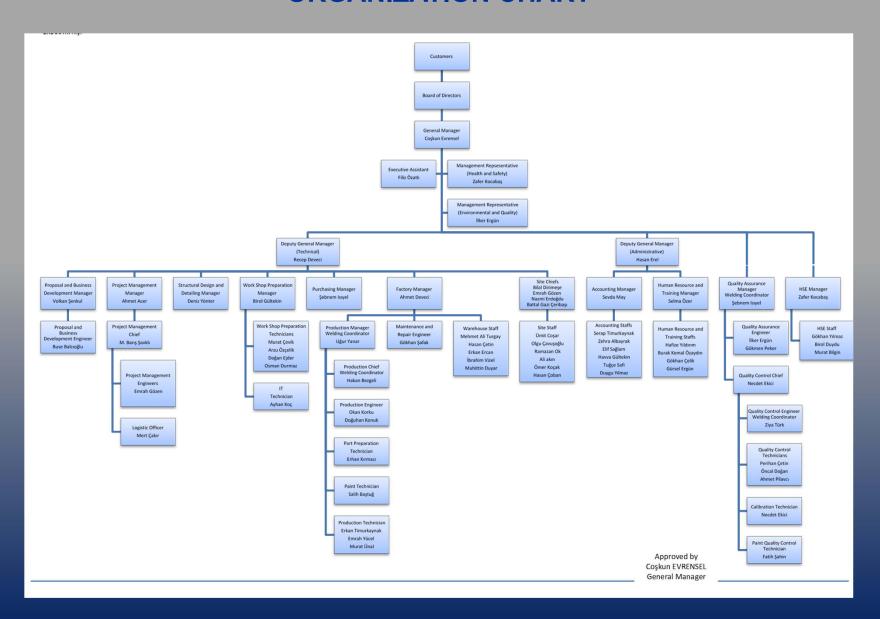
GSI - Gesellschaft für Schweißtechnik Niederlassung SLV Berlin Brandenburg 1 DIL

Dipl.- Ing. Reddmann

CSE - Casamorbal for Schweißschrick Insendicinal mbH Neddraseung SLV Beits-Brancheburg Luvenburger Str. 21 + 13953 Sects + Tyr. +48 30 40001-2 + Fas; +48 30 40001-11 Steinet year Str. 58 ds. 4 E-Mail: mail@ark 8t ds.



ORGANIZATION CHART



GENERAL VIEW



Total facility area

Closed area (factory and offices)

Open manufacturing / storage area

: 100,000 sqm

: 40,000 sqm

: 60,000 sqm

RAW MATERIAL STOCKYARD



FINAL PACKING & LOADING AREA



CUTTING HALL



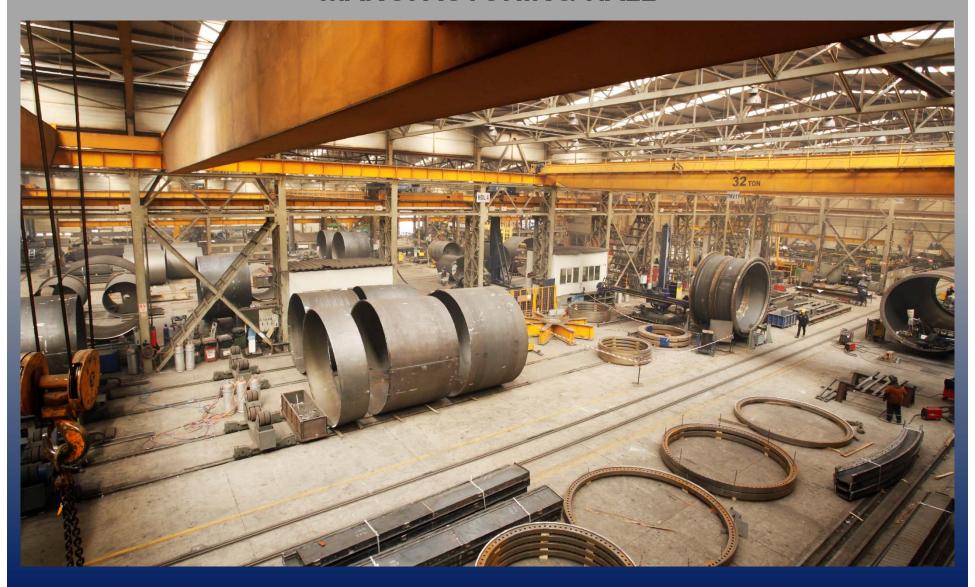
MANUFACTURING HALL



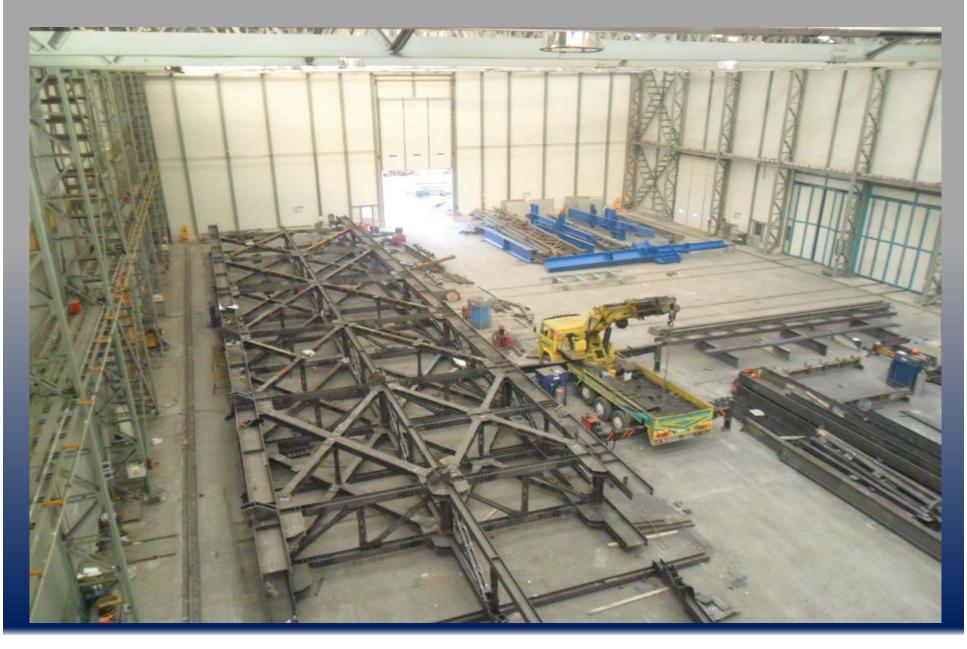
MANUFACTURING HALL



MANUFACTURING HALL



PREASSEMBLY HALL



PAINTING HALL



SHOT BLASTING & PAINTING CABINS



SHOTBLASTING-PAINTING-DRYING LINE



ROLLING MACHINE



CNC FLAME CUTTING MACHINE



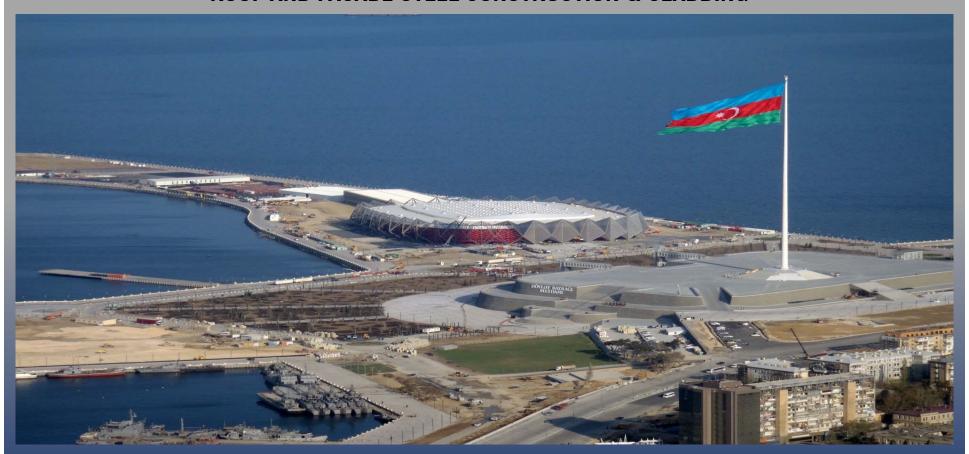
COLUMN & BOOM WELDING AND MANIPULATOR





SELECTED
REFERENCES
(STADIUMS)

BAKU 25.000 SEAT STADIUM ROOF AND FACADE STEEL CONSTRUCTION & CLADDING



Customer: ALPINE bau Germany

Remarks:

Design, fabrication and erection of roof steel structure of Crystall Hall Sport center complex (6.000 tons)

Date of completion: 2012

BAKU 25.000 SEAT STADIUM ROOF AND FACADE STEEL CONSTRUCTION & CLADDING



BAKU 25.000 SEAT STADIUM ROOF AND FACADE STEEL CONSTRUCTION & CLADDING



OLYMPIC 68.000 SEAT STADIUM ETFE ROOF AND FACADE STEEL STRUCTURE BAKU / AZERBAIJAN



Customer: VECTOR FOILTEC Germany

Remarks:

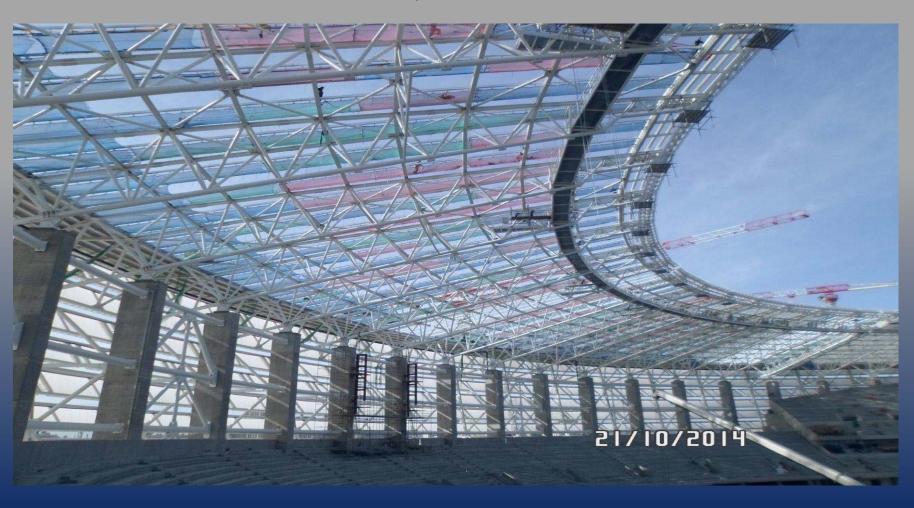
Fabrication of Roof and facade frames for ETFE cladding Steel structure of the Olympic stadium. (1.300 tons)

Date of completion: 2014

OLYMPIC 68.000 SEAT STADIUM ETFE ROOF AND FACADE STEEL STRUCTURE BAKU / AZERBAIJAN



OLYMPIC 68.000 SEAT STADIUM ETFE ROOF AND FACADE STEEL STRUCTURE BAKU / AZERBAIJAN



GALATASARAY SEYRANTEPE 52.000 SEAT STADIUM ROOF STEEL CONSTRUCTION ISTANBUL



Customer: Varyap-Uzunlar JV Turkey

Remarks:

Design, fabrication and erection of roof steel structure of Seyrantepe Stadium. (6.000 tons)

Date of completion: 2010

GALATASARAY SEYRANTEPE 52.000 SEAT STADIUM ROOF STEEL CONSTRUCTION ISTANBUL



FENERBAHÇE ŞÜKRÜ SARAÇOĞLU 50.500 SEAT STADIUM



Customer: Fenerbahçe Sports Club Turkey

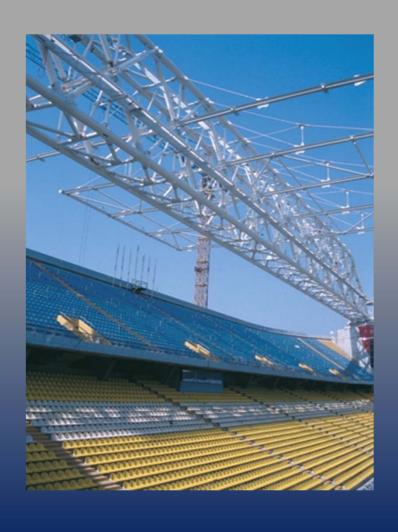
Remarks:

Design, fabrication and erection of roof structure 1700 tons.

Date of Completion : 2006



FENERBAHÇE ŞÜKRÜ SARAÇOĞLU 50.500 SEAT STADIUM



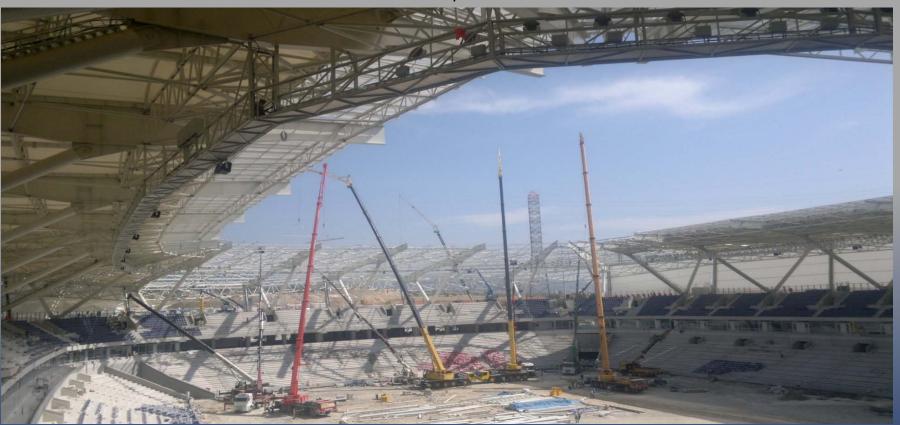




2013 MEDITERRANEAN GAMES 25.000 SEAT STADIUM

ROOF STEEL STRUCTURE & MEMBRANE

MERSIN / TURKEY



Customer: Limak Construction
Turkey

Remarks:

Fabrication and erection of 3500 tons steel and membrane for facade and roof of the 25.000 seat stadium for the Mediterranean games.

Date of Completion: 2013

2013 MEDITERRANEAN GAMES 25.000 SEAT STADIUM ROOF STEEL STRUCTURE & MEMBRANE MERSIN / TURKEY



AIMAG 2017 OLYMPICS COMPLEX 15.000 SEAT LARGE ARENA ASHGABAT / TURKMENISTAN



Customer: Polimeks Construction

Turkey

Remarks:

Fabrication and erection of the steel roof of arena for AIMAG 2017 games in Ashgabat (4.400 tons)

Date of Completion : 2013

AIMAG 2017 OLYMPICS COMPLEX 15.000 SEAT LARGE ARENA ASHGABAT / TURKMENISTAN



AIMAG 2017 OLYMPICS COMPLEX 15.000 SEAT LARGE ARENA ASHGABAT / TURKMENISTAN



ASHGABAT OLYMPIC STADIUM 45.000 SEATS

ASHGABAT / TURKMENISTAN



Customer: Polimeks Construction Turkey

Remarks:

Fabrication and erection of the steel roof and facade of the 45.000 seat Olympic stadium in Ashgabat (11.000 tons) Date of completion: 2016

ASHGABAT OLYMPIC STADIUM 45.000 SEATS

ASHGABAT / TURKMENISTAN



Customer: Polimeks Construction
Turkey

Remarks:

Fabrication and erection of the steel roof and facade of the 45.000 seat Olympic stadium in Ashgabat (11.000 tons)

Date of completion: 2016

ASHGABAT OLYMPIC STADIUM 45.000 SEATS ASHGABAT / TURKMENISTAN



ASHGABAT OLYMPIC STADIUM 45.000 SEATS

ASHGABAT / TURKMENISTAN





SELECTED REFERENCES (TERMINAL BUILDINGS)

MOTHER TERESA INTERNATIONAL AIRPORT TERMINAL BUILDING

TIRANA - ALBANIA



Customer: Trema Engineering2 (Albania)
Hochtief (Germany)

Remarks:

Fabrication and erection of the steel structure of 12,000 sqm

Terminal Building (1.500 tons)

Date of Completion: 2006-2008

TEMSAN SELECTED REFERENCES HAWLER AIRPORT TERMINAL BUILDING

ERBIL-IRAQ



Customer: Makyol Cengiz JV
Turkey

Remarks:

Fabrication and erection of the steel structure of 29,000 sqm

Terminal Building. (2.400 tons)

Date of Completion : 2007



SABİHA GÖKÇEN INTERNATIONAL AIRPORT TERMINAL BUILDING AND VIADUCT BRIDGES / İSTANBUL – TURKEY



Customer: Limak Construction (Turkey)-GMR (Malaysia) JV

Remarks:

Fabrication and erection of 5.000 ton steel structure of the terminal building (14,000 sqm) and viaduct bridges

Date of Completion: 2009

SABİHA GÖKÇEN INTERNATIONAL AIRPORT TERMINAL BUILDING AND VIADUCT BRIDGES (5.000 TONS) İSTANBUL – TURKEY



ADNAN MENDERES AIRPORT FUNNEL COLUMNS IZMIR TURKEY



Customer: Lindner Germany

Remarks:

Fabrication and erection of 4 steel funnels for the İzmir airport terminal building. (400 tons)

Date of completion: 2013

ASHGABAT INTERNATIONAL AIRPORT MAIN TERMINAL BUILDING ASHGABAT - TURKMENISTAN



Customer: Polimeks Construction

Turkey

Remarks:

Fabrication and erection of the steel roof of the Ashgabat International Airport Terminal Building. (6.000 tons)

Date of completion: 2016

ASHGABAT INTERNATIONAL AIRPORT MAIN TERMINAL BUILDING ASHGABAT - TURKMENISTAN



ASHGABAT INTERNATIONAL AIRPORT MAIN TERMINAL BUILDING ASHGABAT - TURKMENISTAN



ISTANBUL NEW AIRPORT TERMINAL PROJECT



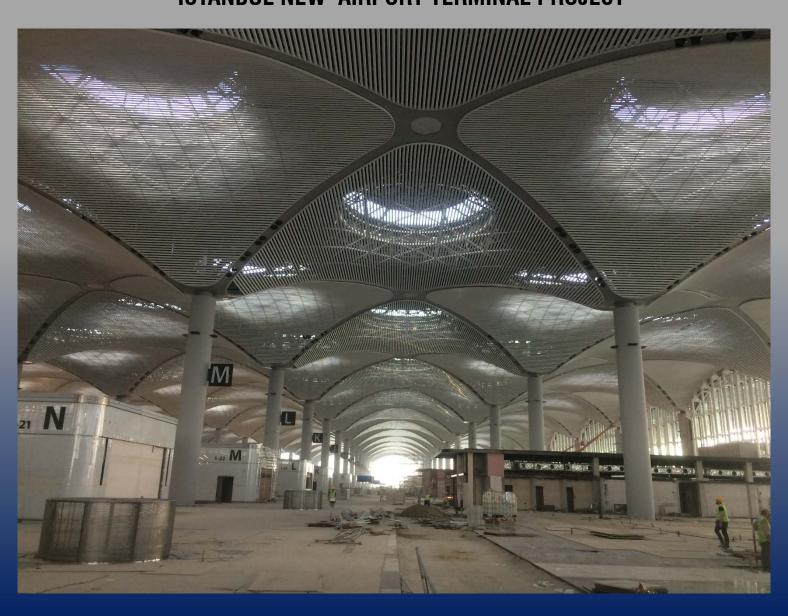
Customer: IGA Turkey

Remarks:

Design, fabrication and erection of istanbul New Airport steel structure. (11.500 tons)

Date of completion: 2018

TEMSAN SELECTED REFERENCES ISTANBUL NEW AIRPORT TERMINAL PROJECT



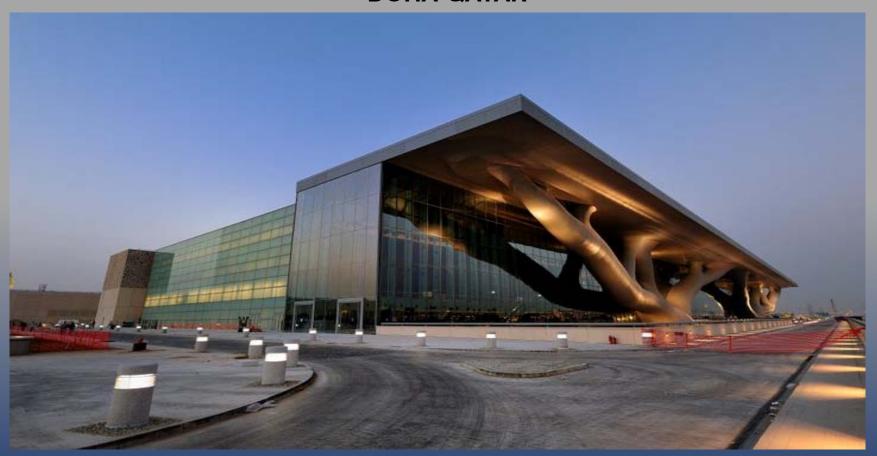
ISTANBUL NEW AIRPORT TERMINAL PROJECT BRIDGES





SELECTED
REFERENCES
(OTHERS)

TEMSAN SELECTED REFERENCES QATAR PETROLEUM EDUCATION CITY CONVENTION CENTER DOHA-QATAR



Customer: Baytur Construction & Contracting / Turkey

Remarks:

Design, fabrication, transportation and erection of 16,000 tons structural steel

Date of Completion: 2009

QATAR PETROLEUM EDUCATION CITY CONVENTION CENTER DOHA-QATAR



QATAR PETROLEUM EDUCATION CITY CONVENTION CENTER DOHA-QATAR

FABRICATION AND ERECTION OF THE 350 TONS TRUSSES







TOYOTA ADAPAZARI CAR FACTORY



Customer: Toyota Motor Eng. & Manuf. Europe

Remarks:

Turnkey construction of Press shop, canopy, Assembly shop, Blanking line building, X-dock caopies, try-out pit, Waste handling building, social facilites building renovation, including all civil, structural and electro-mechanical Works. (7.600 tons)

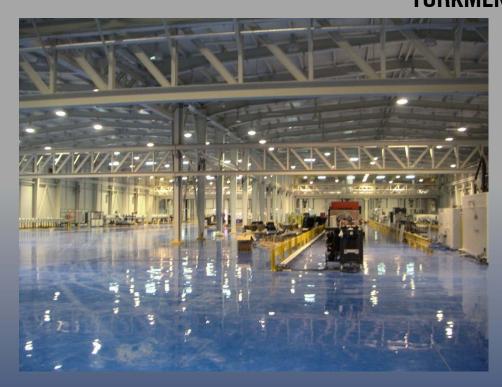
Date of Completion: 2004-2006

TOYOTA ADAPAZARI CAR FACTORY



TEMSAN SELECTED REFERENCES POLYMER PIPE PRODUCTION PLANT

TURKMENISTAN



Customer: Erku Contracting Co.Ltd.
Turkey

Remarks:

Turnkey construction of 20,000 sqm Production Factory and

Warehouses (1.300 tons)

Date of Completion: 2005



VIP PRESIDENT BOEING HANGAR

TURKMENISTAN



Customer: POLİMEKS
Turkey

Remarks:

Design, fabrication and erection of 3600 tons

steel structure

Date of Completion: 2011

VIP PRESIDENT BOEING HANGAR

TURKMENISTAN



TEMSAN SELECTED REFERENCES FLOUR MILL



Customer: Nom Ltd. -United Kingdom

Remarks:

Turnkey construction of 5,000 sqm flour mill

Date of Completion : 2005

TEMSAN SELECTED REFERENCES FLOUR MILL

LAGOS-NIGERIA



STORAGE WAREHOUSES IRAQ





Customer: General Electric
USA

Remarks:

Design and supply of 42 nos of warehouses (each 1000m2) including steel structure, cladding, 20 ton overhead crane, sectional doors (8m * 8m), complete with electrical system and mechanical system (ventilation by blowers to maintain positive pressure inside the building), 5000 tons.

Date of Completion: 2009

FLOCCULATORS and FILTRATION TANKS Baghdat- IRAQ





Remarks:

Fabrication of 38 units of flocculators with dimensions of 2.6mx2.3mx12.2m, Fabrication of 38 units filtration tanks with the dimensions of 2.4mx2.2mx6.5m for water supply project in Baghdad. Including water pumps and mechanical installations. Including installation of nozzles for filtration activities. (985 tons)

Date of Completion: 2007







WATER TREATMENT PLANT AS SAMRA-JORDAN



Customer: DEGREMONT SA

France

Remark: Fabrication of water treatment plant

Date of Completion : 2013

MARY UREA PLANT

MARY TURKMENISTAN



Customer: Renaissance Construction

Turkey

Remarks:

Fabrication and erection of steel structure for urea plant main building. (700 tons)

Date of completion: 2011

POWER PLANT STEAM TURBINE BUILDING TUFANBEYLİ-TURKEY



Customer: Skec

Korea

Remarks:

Fabrication of 7650 tons steel structure of the steam turbine building.

Date of completion: 2014

POWER PLANT STEAM TURBINE BUILDING TUFANBEYLİ-TURKEY



DUAL MEDIA FILTER TANKS Reverse Osmosis Plant Barka- OMAN





Customer: DEGREMONT SA France

Remarks:

Fabrication of 39 units dual media filter tanks with the dimensions of 4.0mx4.0mx14.5m and with the weight of 51 tons each. For reverse osmosis plant project in Barka, 2500 tons.

Date of Completion : 2008



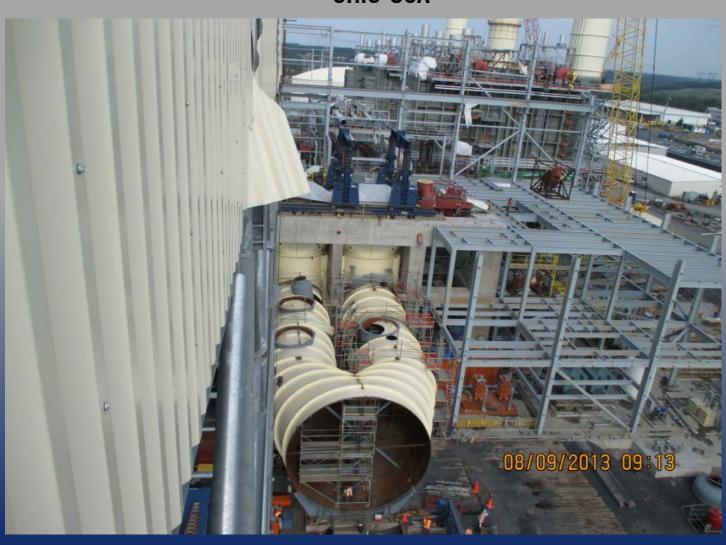
STEAM DUCTS OHIO-USA



STEAM DUCTS OHIO-USA



STEAM DUCTS OHIO-USA



STEAM DUCTS SOUTH AFRICA



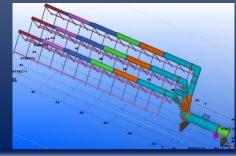
Customer: Spx

Belgium

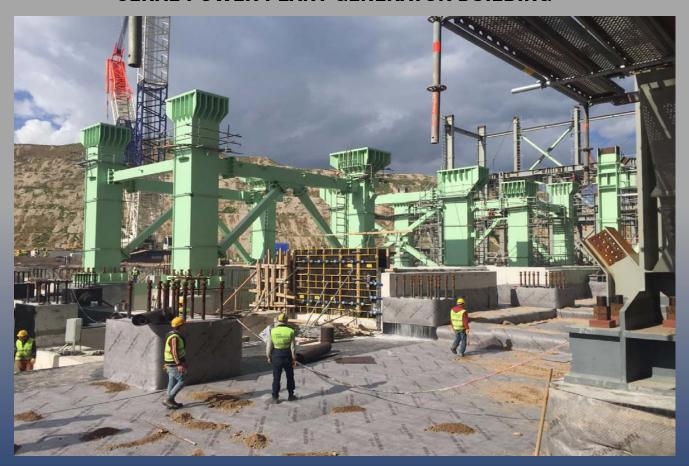
Remarks:

Fabrication of steam ducts of the power plant in South Africa,

400 tons.



CENAL POWER PLANT GENERATOR BUILDING



Customer: Cenal Turkey

Remarks:

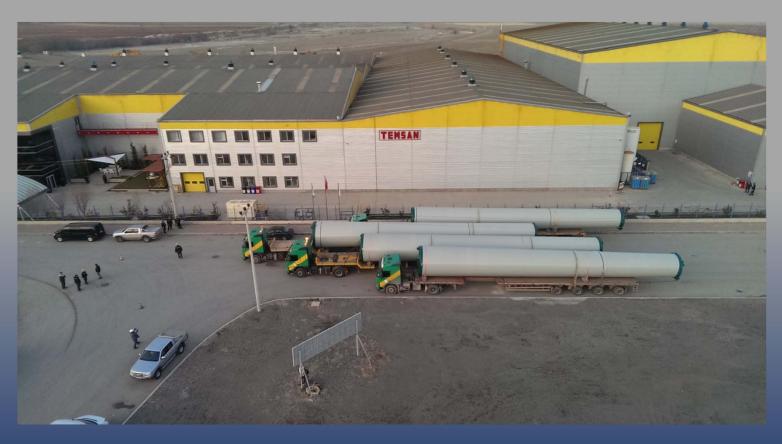
Fabrication of steel structure of generator building of the coal fired power plant. (1.500 tons)

TEMSAN SELECTED REFERENCES CENAL POWER PLANT GENERATOR BUILDING



WIND TOWERS

TURKEY



Customer: Enercon Germany

Remarks:

Fabrication of wind towers.

Ashgabat Olympic Complex Monorails and Station Buildings



Customer: Polimeks construction Turkey

Remarks:

Fabrication and erection of Ashgabat Olympic Complex 6 km monorail beam and station buildings. (6.000 tons)

Ashgabat Olympic Complex Monorails and Station Buildings

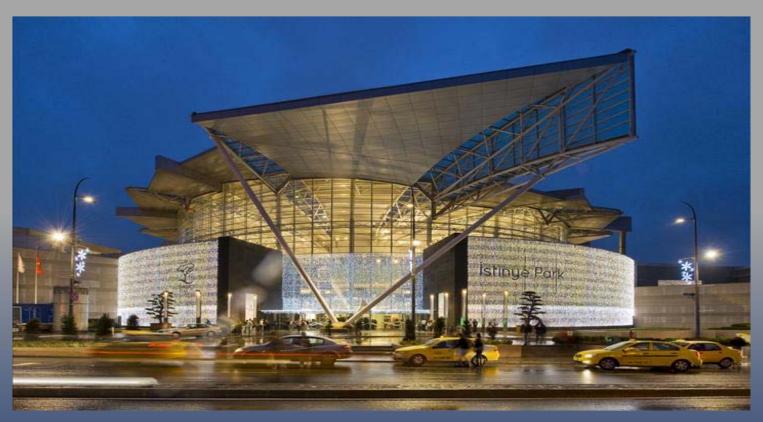




Ashgabat Olympic Complex Monorails and Station Buildings



ISTINYE PARK PROJECT / ISTANBUL



Customer: Orta Real estate Investment Co.
Turkey

Remarks:

Construction of steel structures of cinema floors, vault and rotunda parts, Cladding works for rotunda and office roof, 2200 tons.

ISTINYE PARK PROJECT / ISTANBUL



ZORLU CENTER SHOPPING MALL PROJECT

ISTANBUL/TURKEY



Customer: Aktürk Construction Turkey

Remarks:

Fabrication and erection of the steel theatre roof of the Zorlu Center (5.500 tons)

CONGRESS CENTER PROJECT



Customer: Polimeks construction

Turkey

Remarks:

Design, fabrication and erection of congress center steel structure in Turkmenbashi. (2.750 tons)



THE ART INSTITUTE OF CHICAGO – MILLENIUM PARK Chicago-USA



Customer: Permasteelisa Central Europe GmbH / Germany

Remarks:

Fabrication of roof steel structures for Flying Carpet — 620 Tons

Connecticut Science Center Connecticut-USA



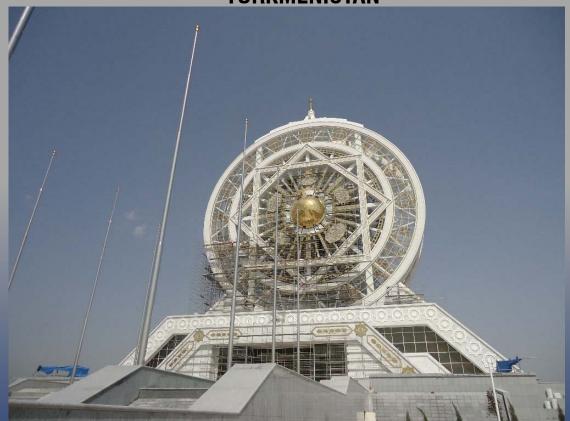
Customer: Permasteelisa Central Europe GmbH /

Germany

Remarks: Fabrication of facade steel structures – 65 Tons

TEMSAN SELECTED REFERENCES FERRIS WHEEL

TURKMENISTAN



Customer: POLİMEKS

Turkey

Remarks:

Design, fabrication and

erection of 65 m diameter, 115 m height ferris wheel- 2000 tons.

TEMSAN SELECTED REFERENCES FERRIS WHEEL

TURKMENISTAN



IZMIT SHOPPING MALL -TURKEY



Customer: Vector Foiltec Germany

Remarks:

Fabrication and erection of İzmit shopping mall steel structure in İzmit. (650 tons)

IZMIT SHOPPING MALL -TURKEY



ASTANA EXPO 2017 SPHERE

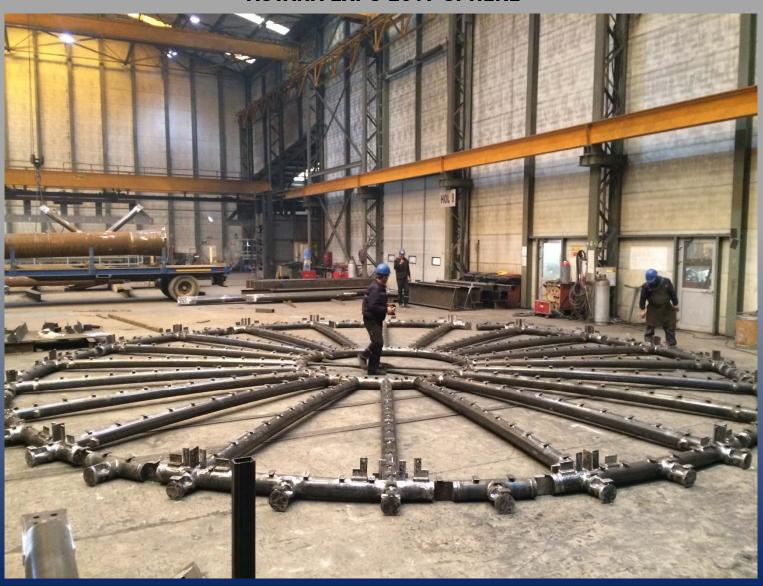


Customer: Lindner Germany

Remarks:

Fabrication of Astana sphere. (100 tons)

ASTANA EXPO 2017 SPHERE



DETROIT EVENT CENTER - USA



Customer: Vector Foiltec Germany

Remarks:

Fabrication of roof structural steel. (380 tons)

DETROIT EVENT CENTER - USA



LATTICE TOWERS FOR TRABZON ROPEWAY PROJECT



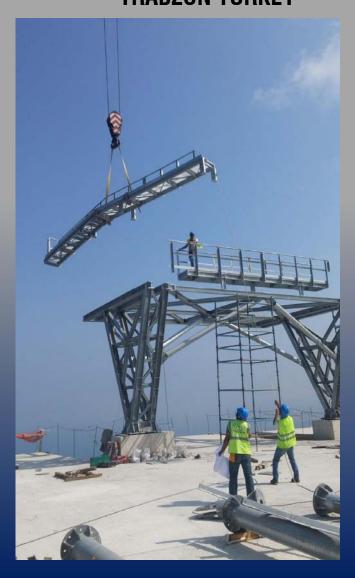
Customer: Leitner Italy

Remarks:

Fabrication and erection of structural steel ropeway towers in Trabzon -

Turkey. (600 tons)

TEMSAN SELECTED REFERENCES LATTICE TOWERS FOR TRABZON ROPEWAY PROJECT TRABZON-TURKEY



GÖBEKLİTEPE CANOPIES -URFA/TURKEY



Customer: Trans-t Construction
Turkey

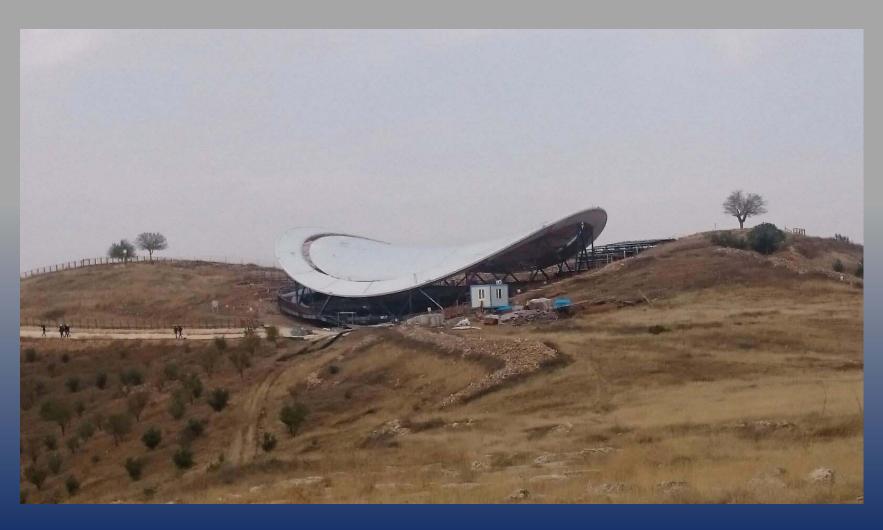
Remarks:

Detailed design, fabrication and erection of roof structural steel in Şanlıurfa- Turkey. (500 tons)

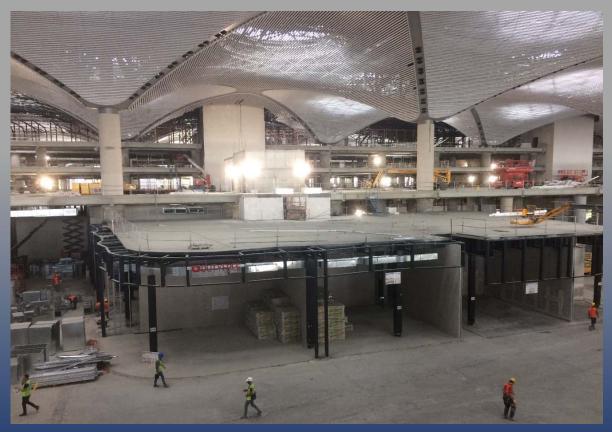
GÖBEKLİTEPE CANOPIES -URFA/TURKEY



GÖBEKLİTEPE CANOPIES -URFA/TURKEY



ISTANBUL NEW AIRPORT - DUTY FREE AREA ISTANBUL/TURKEY



Customer: IGA

Turkey

Remarks:

Fabrication and erection of the structural steel of İstanbul Airport Duty Free Area (5.300 tons)

ISTANBUL NEW AIRPORT - DUTY FREE AREA

ISTANBUL/TURKEY



Customer: IGA Turkey

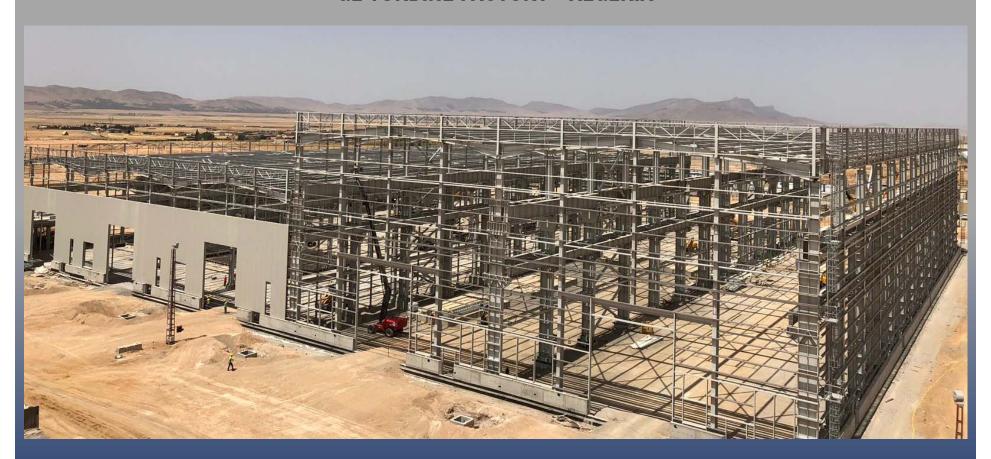
Remarks:

Fabrication and erection of the structural steel of İstanbul Airport Duty Free Area (5.300 tons)



ONGOING PROJECTS

GE TURBINE FACTORY -ALGERIA



Customer: Renaissance Construction

Turkey

Remarks:

Fabrication and erection of the structural steel of the Turbine Factory in Algeria. (5.500 tons)

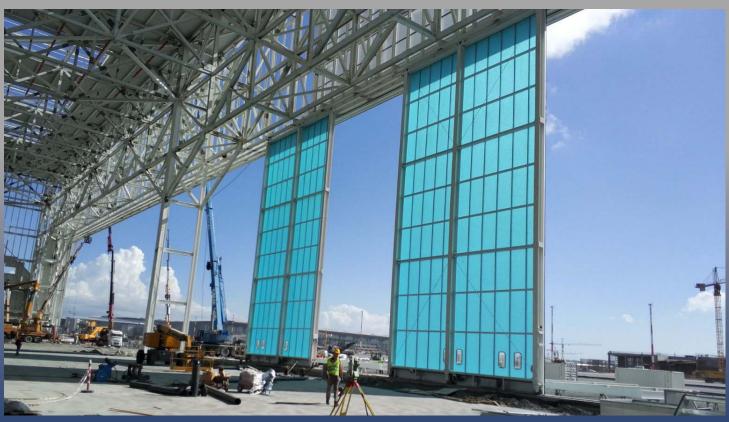
GE TURBINE FACTORY -ALGERIA



ISTANBUL NEW AIRPORT

LMH HANGAR DOORS

ISTANBUL/TURKEY



Customer: Butzbach

Germany

Remarks:

Fabrication of steel doors of the Line Maintenance Hangar

Project in İstanbul-Turkey. (380 tons)

VAKIF GYO WALLS FRONT STEEL CONSTRUCTION ISTANBUL/TURKEY



Customer: ALTES

Turkey

Remarks:

Manufacturing and installation of vitreous base steels for Vakıf REITs in istanbul Ataşehir Finance Center. (550 tons)

KUWAIT INTERNATIONAL AIRPORT

NEW PASSENGER TERMINAL -KUWAIT



Customer: LIMAK Turkey

Remarks:

Fabrication of side plates and cross-pieces of the roof shell panels (50.000 tons)

KUWAIT INTERNATIONAL AIRPORT

NEW PASSENGER TERMINAL -KUWAIT



KUWAIT INTERNATIONAL AIRPORT

NEW PASSENGER TERMINAL -KUWAIT





ISTANBUL NEW AIRPORT SATELLITE CATERING FACILITY



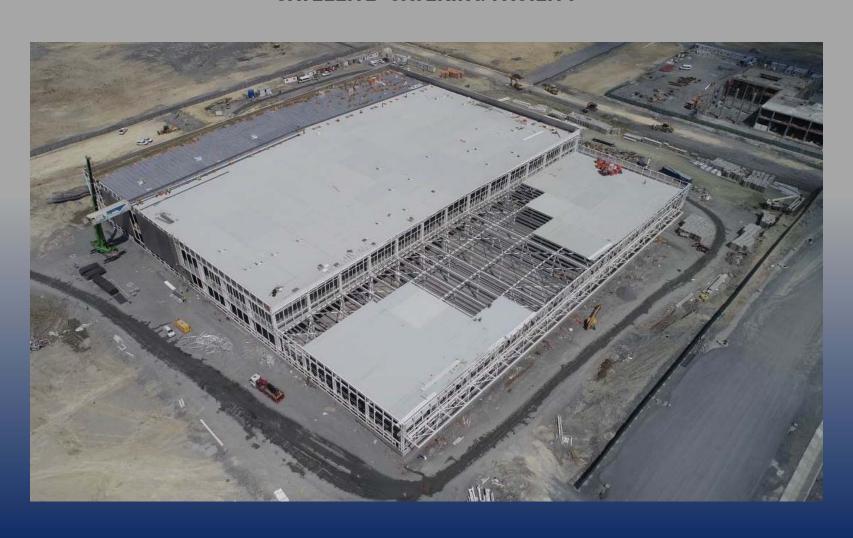
Customer: KALYON

Turkey

Remarks:

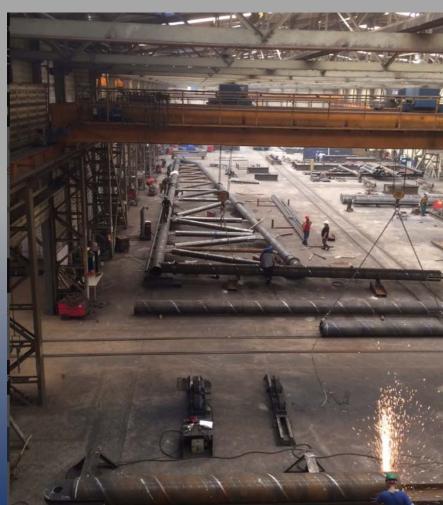
Fabrication and erection of İstanbul Airport Satellite Catering Facility (5.600 tons)

ISTANBUL NEW AIRPORT SATELLITE CATERING FACILITY



BATUMI STADIUM - GEORGIA





Customer: ANAGI GEORGIA

Remarks:

Fabrication and erection of 3.500 tons steel and membrane for facade and roof of Batumi Stadium.

TUFANBEYLİ POWER PLANT TONOZ PROJECT



Customer: ENERJİSA Turkey

Remarks:

Detailed design, fabrication and erection of roof steel structure and including all roof and cladding, civil, structural works. (2.100 tons)