



EXPERIENCE IN
WELDED & MACHINED
STEEL STRUCTURES
SINCE 1971

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
1971



ÇİLTUĞ
ISI SANAYİ ve TİCARET A.Ş.



ÇİLTUĞ AT A GLANCE

ÇİLTUĞ INC. IN NUMBERS

32.000 M²
OUTDOOR AREA

15.000 TONS
WELDED & MACHINED
COMPONENTS / YR

50
ADMINISTRATIVE &
TECHNICAL STAFF

17.000 M²
INDOOR AREA

10.000 TONS
WIND TOWER AND
FRAMES WORKS / YR

250
BLUE COLLAR
EMPLOYEES



LEADING THE HEAVY MACHINERY SECTOR IN SOUTH EASTERN ANATOLIA SINCE 1971

Our company started operations in 1971 and we are proud of our achievements, but we also think that it is not enough and there is much more to accomplish...

In 1965, when I was a new engineer, I started to work at Keban Dam project. That was a great project for Turkey in those years and fabrication of high pressurized dam gates was a dream for the industry. We used to import them from the USA, and in Europe projects of this sort were being discussed if they are doable in Europe or not. So looking back, from 1965 to this day, with so many completed mega water dams and HEPP projects all over Turkey, it is a proud moment for our company and for Turkish engineers in general.

Up until this day, our company has successfully completed large numbers of international joint venture HEPP and water dam projects such as Karakaya and Atatürk Dams. We have increased our experience and know-how while investing a great deal in our machine park and equipment. I believe with our highly experienced engineers, production team and large machine park, we have become experts in the hydro-mechanical sector.

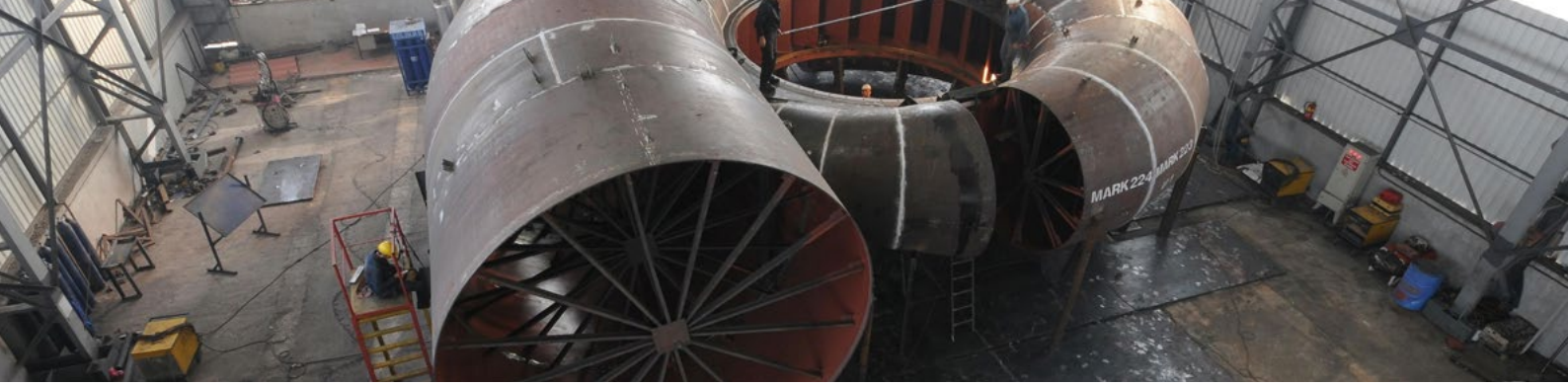
Currently, we have the capacity and know how to successfully manufacture and complete turnkey projects for worldwide energy investments in all types of hydro-mechanical and electromechanical equipment, all types of turbines, generator parts, inlet pipe, inlet valve, spiral case & stay ring, draft tubes, and turbine housings. General Electric, Voith, Siemens, Alstom are some of our customers for these types of products and we are producing for a number of investments in various countries such as USA, Canada, EU countries, Middle East and Far Eastern locations.

Our new goal is to concentrate more on renewable energy sector such as HEPP projects, and Turkish wind energy investments, which is around 1,000 in total. We are preparing to increase our capacity to manufacture turbines, generator parts and wind towers for the renewable sector and hope to become the sole supplier of individual renewable projects.

I hope we will be able to reach our new goal in the very new future.

With my best wishes,

Ibrahim TUĞSUZ
Chairman



ABOUT ÇILTUĞ INC.

Our company was established on May 15th, 1971 in Gaziantep as a collective company and became a joint stock company as of April 1st, 1976. Development and modernization procedures of the company were completed in 1977, developed and became group of companies since 1980. We have two factories:

- Our **Heavy Machinery and Steel Structure Factory** established on 10,000 sqm. covered area and 7,000 sqm. outdoor area,
- Our **Wind Tower and Accessories Construction Factory** is established on 5,000 sqm. covered area and 32,000 sqm. outdoor area.

Both of these workshops are located across the road from each other within the 1st Industrial Zone of Gaziantep city in South-East of Turkey where 220 km away from Iskenderun Sea port and 280 km away from Mersin Seaport with conjunction of TEM motorway.

All workshop fabrication and erection works are achieved by our well-experienced technical personnel under the international Quality Management Systems **ISO 9001:2015**. In addition to this standard, our technical team is equipped with **EN ISO 3834-2** Fusion Welding of Metallic Materials Management Quality Requirements System, **EN 1090-1:2009+A1:2011** Technical Requirements for the Execution of Steel Structures System, **ASME U&S** Stamp and Health & Safety Equipment Certifications with **ISO 14001:2015 & OHSAS 18001:2007**.

Both of our workshop engineers are certified for the **NDT Tests Level-2 under the EN ISO 9712 or SNT-TC-1A Standards** by independent & accredited authorities. All welders have test certificates under the **EN ISO 9606-1 Standards**.

OUR MANUFACTURING CAPABILITIES

FOR HYDROELECTRIC POWER PLANTS;

- Spillway radial gate with hydraulic lifting equipment and stoplog gates,
- Power intake fixed wheel gates, trashracks and trashracks cleaning machines,
- Penstocks (high pressurized pipes), expansion and flexible joints for transmission and power lines,
- Bifurcations, trifurcations and multiple branch-pipes for power lines,
- Bottom outlet sliding gate valves, jet flow gate valves and conical valves (Howell Bungler valves),
- Butterfly valves with counterweights,
- Spiral case and stayrings, draft tube, elbow and cones, inlet pipes
- Turbine housings and pit liners for Francis, Kaplan and Pelton Turbines,
- Distributors, collectors and manifolds for Pelton Turbines,
- Stator & Rotor frames, upper & lower brackets for generators,
- Regulating Ring,
- Power house overhead cranes and gantry cranes.

FOR WIND POWER PLANTS;

- Steel wind towers,
- Rotor houses,
- Stator structures & base frames,
- Generator Brake discs & Stator plates,
- Turbine transportation frames,
- Anchor cages c/w flanges and foundation rings,
- Turbine Blade hubs,
- Mechanical kit sets,

FOR THERMAL POWER PLANTS WITH HEAVY-DUTY SIMPLE AND COMBINED CYCLE GAS TURBINES;

- Turbine Housing and frames for Thermal and Gas Turbines, Steel welded constructions,
- Pressurized vessels, steam boilers and boiler anchorages and boiler platforms,
- Petroleum storage and process tanks.

FOR CEMENT FACTORIES;

- Cylindrical Links and shells for Kiln,
- Silo, hopper and cyclones,
- Conveyor Lines.



WE PUT TOP PRIORITY ON THE QUALITY OF OUR PRODUCTS, PROCESSES AND SERVICES

Production and installations in our factories located in First Organized Industrial Zone of Gaziantep province in the Southeast Anatolian part of Turkey are carried out by our experienced technical staff in accordance with international quality, standards and under ISO-9001:2015 Quality Management System.

OUR QUALITY POLICY

In order to ensure continuous satisfaction of our clients our main objectives are:

Well being of our personnel

To respond at a maximum level to the needs of our personnel who are the most important element of our production input and who are our driving force

Training and flawless work

To train our personnel on a continuous basis in order to ensure that we do our work flawlessly and at a time.

Protecting the environment

To act with an environmental awareness and therefore not to darken our future,

Team spirit

To work with a quality awareness and a team spirit together with all our personnel and suppliers,

Quality and Reliability

We strive to employ latest technology and quality-reliable products and services, while our common mission is to become a global brand in our industry by continuously improving our capabilities and establishing our brand awareness.

ISSUED CERTIFICATES

- **ISO 9001:2015** Quality Management Systems by VeriCert
- **OHSAS 18001:2007** Occupational Health and Safety Management System by VeriCert
- **ISO 14001:2015** Environmental Management System by VeriCert
- **EN ISO 3834-2** Quality Requirements of Fusion Welding of Metallic Materials by TUV Austria
- **EN 1090-1:2009+A1:2011** Load bearing steel components with corrosion protection and structural design up to EXC 4 acc. EN 1090-2 by TUV Austria
- **ASME U STAMP** Manufacture of pressure vessels at the above location and field sites controlled by the above location.
- **ASME S STAMP** Manufacture and assembly of power boilers at the above location and field sites controlled by the above location.
- Domestic Manufacturing Status Certificate - Wind Tower
- Domestic Manufacturing Status Certificate - HME



VeriCert Verification Certification

CERTIFICATE

ÇİLTUĞ İSİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

Scope: Manufacturing, Assembly and Sales of Hydromechanical and Electromechanical Equipment, Pressure and Steel Construction, Manufacturing and Assembly and Sales of Cryogenic Tanks and Pressure Vessels, Manufacturing, Assembly and Sales of Wind Towers, Manufacturing and Assembly and Sales of Steel Construction and Machinery

Address(es): Atatürk Bulvarı No:892-3 27010 GAZİANTEP

ISO 9001:2015 QUALITY MANAGEMENT SYSTEMS

VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti. has audited and registered this organization for meeting the requirements of the management system mentioned above. This certificate is valid for 3 years, only when the organization continues to comply with the requirements of "VeriCert certification and audit requirements".

Certificate Number: VCR.TR.01.015074/R.02
Initial Certification Date: 28.06.2018
Renewal Date: 29.05.2020
Issue Date: 29.05.2020
Expiry Date: 27.06.2021

General Manager: *Paad Altınman*

VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti.
Atatürk Cad. No: 892-3 27010 GAZİANTEP
T: +90 236 325 32 31 F: +90 236 325 32 39
www.vericert.com.tr info@vericert.com.tr
1 Form 22.08.2019 R.03

VeriCert Verification Certification

CERTIFICATE

ÇİLTUĞ İSİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

Scope: Manufacturing, Assembly and Sales of Hydromechanical and Electromechanical Equipment, Pressure and Steel Construction, Manufacturing and Assembly and Sales of Cryogenic Tanks and Pressure Vessels, Manufacturing, Assembly and Sales of Wind Towers, Manufacturing and Assembly and Sales of Steel Construction and Machinery

Address(es): Atatürk Bulvarı No:892-3 27010 GAZİANTEP

ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEMS

VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti. has audited and registered this organization for meeting the requirements of the management system mentioned above. This certificate is valid for 3 years, only when the organization continues to comply with the requirements of "VeriCert certification and audit requirements".

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Scope: Manufacturing, Assembly and Sales of Hydromechanical and Electromechanical Equipment, Pressure and Steel Construction, Manufacturing and Assembly and Sales of Cryogenic Tanks and Pressure Vessels, Manufacturing, Assembly and Sales of Wind Towers, Manufacturing and Assembly and Sales of Steel Construction and Machinery

Address(es): Atatürk Bulvarı No:892-3 27010 GAZİANTEP

ISO 18001:2007 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM

VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti. has audited and registered this organization for meeting the requirements of the management system mentioned above. This certificate is valid for 3 years, only when the organization continues to comply with the requirements of "VeriCert certification and audit requirements". Certificate valid for 3 years, OHSAS 18001:2007 Occupational Health And Safety Management System version is valid until 31.03.2021.

Certificate Number: VCR.TR.03.015074/R.02
Initial Certification Date: 28.06.2018
Renewal Date: 29.05.2020
Issue Date: 29.05.2020
Expiry Date: 31.03.2021

General Manager: *Paad Altınman*

VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti.
Atatürk Cad. No: 892-3 27010 GAZİANTEP
T: +90 236 325 32 31 F: +90 236 325 32 39
www.vericert.com.tr info@vericert.com.tr
1 Form 22.08.2019 R.03

The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: ÇİLTUĞ İSİ SAN. VE TİC. A.Ş.
1. Organize Sanayi Bölgesi
83101 Nolu Cad. No:21
Şehitkamil, Gaziantep
Turkey

SCOPE: Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: April 14, 2016
EXPIRES: April 14, 2019
CERTIFICATE NUMBER: 52.185

Richard Rottman
Board Chair, Conformity Assessment

Joseph S. ...
Director, Conformity Assessment

The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: ÇİLTUĞ İSİ SAN. VE TİC. A.Ş.
1. Organize Sanayi Bölgesi
83101 Nolu Cad. No:21
Şehitkamil, Gaziantep
Turkey

SCOPE: Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: April 14, 2016
EXPIRES: April 14, 2019
CERTIFICATE NUMBER: 52.191

Richard Rottman
Board Chair, Conformity Assessment

Joseph S. ...
Director, Conformity Assessment

TÜV AUSTRIA

CERTIFICATE

The certification body of TÜV AUSTRIA SERVICES GMBH certifies that

ÇİLTUĞ İSİ SANAYİ VE TİCARET A.Ş.
1. Organize Sanayi Bölgesi 2 Nolu Cadde No:16
Şehitkamil / Gaziantep
TÜRKİYE

has met all necessary quality requirements for welding according to

EN ISO 3834-2

Date of audit: 28.02.2018

This certificate is valid for the following products or service ranges:
Welding of steel construction of hydroelectric barrage equipment, pipe lines, pressure vessel and construction tower of wind turbines of ISO 3834-2 / EN 729-2

Date of expiry: 27.02.2019

Certificate No: HZ-02231-18-TR-OSY

Failure to meet all these necessary requirements as defined in the Annex to this certificate will result in the certificate being withdrawn.

Leonding: 15.03.2018
DATE

Mehmet Akın
TÜV AUSTRIA SERVICES GMBH
Deutschstraße 10
A-1220 Wien

TÜV AUSTRIA

CERTIFICATE

of conformity of the factory production control

No.: 0408-CPR-TA01563

In compliance with Regulation 2001/18/EC of the European Parliament and of the Council of 27 March 2001 (the Construction Products Regulation or CPR), the certificate applies to the construction product:

harmonized standard	execution class	declaration method
EN 1090-1:2009+A1:2011	Load bearing steel components with corrosion protection and structural design up to RRC 4 acc. EN 1090-2	1 and 3a acc. Tab. A.1 of EN 1090-1

produced by or for

ÇİLTUĞ İSİ SANAYİ VE TİCARET A.Ş.
1. Organize Sanayi Bölgesi 2 Nolu Cadde No:16
Şehitkamil / Gaziantep-TÜRKİYE

and produced in the manufacturing plant (s) (addition on page 2)

ÇİLTUĞ İSİ SANAYİ VE TİCARET A.Ş.
1. Organize Sanayi Bölgesi 2 Nolu Cadde No:16
Şehitkamil / Gaziantep-TÜRKİYE

This certificate attests that all provisions concerning the assessment and verification of conformity of performance described in Annex ZA of the standard (s)

EN 1090-1:2009+A1:2011

Under system 2+ are applied and the factory production control fulfills all the prescribed requirements set out above.

The certificate was first issued on 02.02.2018 and will remain valid as long as the last methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristic, do not change and the product and the manufacturing conditions in the plant are not modified significantly. The next surveillance is due on 01.03.2019.

Leonding: 18.04.2018
DATE

Mehmet Akın
TÜV AUSTRIA SERVICES GMBH
Deutschstraße 10
A-1220 Wien

G-CERTİ

G-CERTİ Certificate

ÇİLTUĞ İSİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

ATATÜRK BULVARI NO:892-3 27010 ŞAHİNBEY- GAZİANTEP

Organize Sanayi Bölgesi 83102 Nolu Cadde No:12 Başpınar Şehitkamil Gaziantep

Organize Sanayi Bölgesi 83101 Nolu Cadde No:21 Başpınar Şehitkamil Gaziantep

has been audited and certified in meeting the requirements of the scope of registration

ISO 9001:2015 Quality Management Systems

ENERJİ SEKTÖRÜ İÇİN HİDROMEKANİK VE ELEKTROMEKANİK TEÇHİZATLAR, ÇERRE BORULAR VE ÇELİK YAPILARIN TASARIMI, İMALATI, MONTAJI VE SATIŞI, KIRILIMCI TANKLAR VE BASINÇLI KAPLAR İMALATI, MONTAJI VE SATIŞI, RÜZGAR KULESİ İMALATI, MONTAJI VE SATIŞI, ÇELİK KONSTRÜKSİYON VE MAKİNE İMALATI VE SATIŞI

DESIGN, MANUFACTURING, ASSEMBLY AND SALES OF HYDROMECHANICAL AND ELECTROMECHANICAL EQUIPMENT, POWER CONDUITS AND STEEL CONSTRUCTION FOR THE ENERGY SECTOR, MANUFACTURING, ASSEMBLY AND SALES OF CRYOGENIC TANKS AND PRESSURIZED CONTAINERS, MANUFACTURING, ASSEMBLY AND SALES OF WIND TOWERS, MANUFACTURING AND SALES OF STEEL CONSTRUCTION AND MACHINERY

Certificate No: GCTB-0016-QC
Initial Date: 01. Jul. 2018
Issue Date: 28. Jun. 2018
Expiry Date: 30. Jun. 2021
Valid period: 28. Jun. 2018 - 30. Jun. 2019

Code: 17-18

UIC: MSCB-113-74331

Mehmet Akın
G-CERTİ

G-CERTİ

G-CERTİ Certificate

ÇİLTUĞ İSİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

ATATÜRK BULVARI NO:892-3 27010 ŞAHİNBEY- GAZİANTEP

Organize Sanayi Bölgesi 83102 Nolu Cadde No:12 Başpınar Şehitkamil Gaziantep

Organize Sanayi Bölgesi 83101 Nolu Cadde No:21 Başpınar Şehitkamil Gaziantep

has been audited and certified in meeting the requirements of the scope of registration

ISO 14001:2015 Environmental Management Systems

ENERJİ SEKTÖRÜ İÇİN HİDROMEKANİK VE ELEKTROMEKANİK TEÇHİZATLAR, ÇERRE BORULAR VE ÇELİK YAPILARIN TASARIMI, İMALATI, MONTAJI VE SATIŞI, KIRILIMCI TANKLAR VE BASINÇLI KAPLAR İMALATI, MONTAJI VE SATIŞI, RÜZGAR KULESİ İMALATI, MONTAJI VE SATIŞI, ÇELİK KONSTRÜKSİYON VE MAKİNE İMALATI VE SATIŞI

DESIGN, MANUFACTURING, ASSEMBLY AND SALES OF HYDROMECHANICAL AND ELECTROMECHANICAL EQUIPMENT, POWER CONDUITS AND STEEL CONSTRUCTION FOR THE ENERGY SECTOR, MANUFACTURING, ASSEMBLY AND SALES OF CRYOGENIC TANKS AND PRESSURIZED CONTAINERS, MANUFACTURING, ASSEMBLY AND SALES OF WIND TOWERS, MANUFACTURING AND SALES OF STEEL CONSTRUCTION AND MACHINERY

Certificate No: GCTB-0016-EC
Initial Date: 01. Jul. 2018
Issue Date: 28. Jun. 2018
Expiry Date: 05. Aug. 2021
Valid period: 28. Jun. 2018 - 05. Aug. 2019

Code: 17-18

UIC: MSCB-113-87331

Mehmet Akın
G-CERTİ

92

C

MANAGEMENT SYSTEM

LEAN MANUFACTURING SYSTEM

5S: SORTING, SET IN ORDER, SHINE, STANDARDIZE, SUSTAIN

Production organization method project has been started in 2015 to improve production methods, working mentality and workshop organization.

TEAMS

Work force organization improvements of Lean Production have been achieved by creating task focused teams. Team Boards are used to monitor team performances, training and lean production improvements, along with defining bottlenecks, employee suggestions and lean production improvements.

PROCESS QUALITY

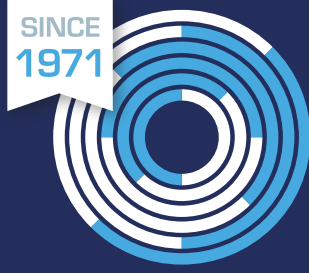
Lean Production mentality aims to create quality at first try and teaches to constantly monitor quality and prevent flow of non-quality work. Blue collar work force is constantly trained in working methods and safety to sustain quality performance and workplace safety.

FLOWCHARTS and SOFs

Following each product with flowcharts allows processes to be defined and standardized. SOF (Standard Operation Form) allow individual operations to be standardized step by step to maintain the right quality and safe work.

HSE (HEALTH, SAFETY, ENVIRONMENT)

Full time HSE specialist is employed to maintain world standard for professional HSE care.



ÇİLTUĞ

ISI SANAYİ ve TİCARET A.Ş.

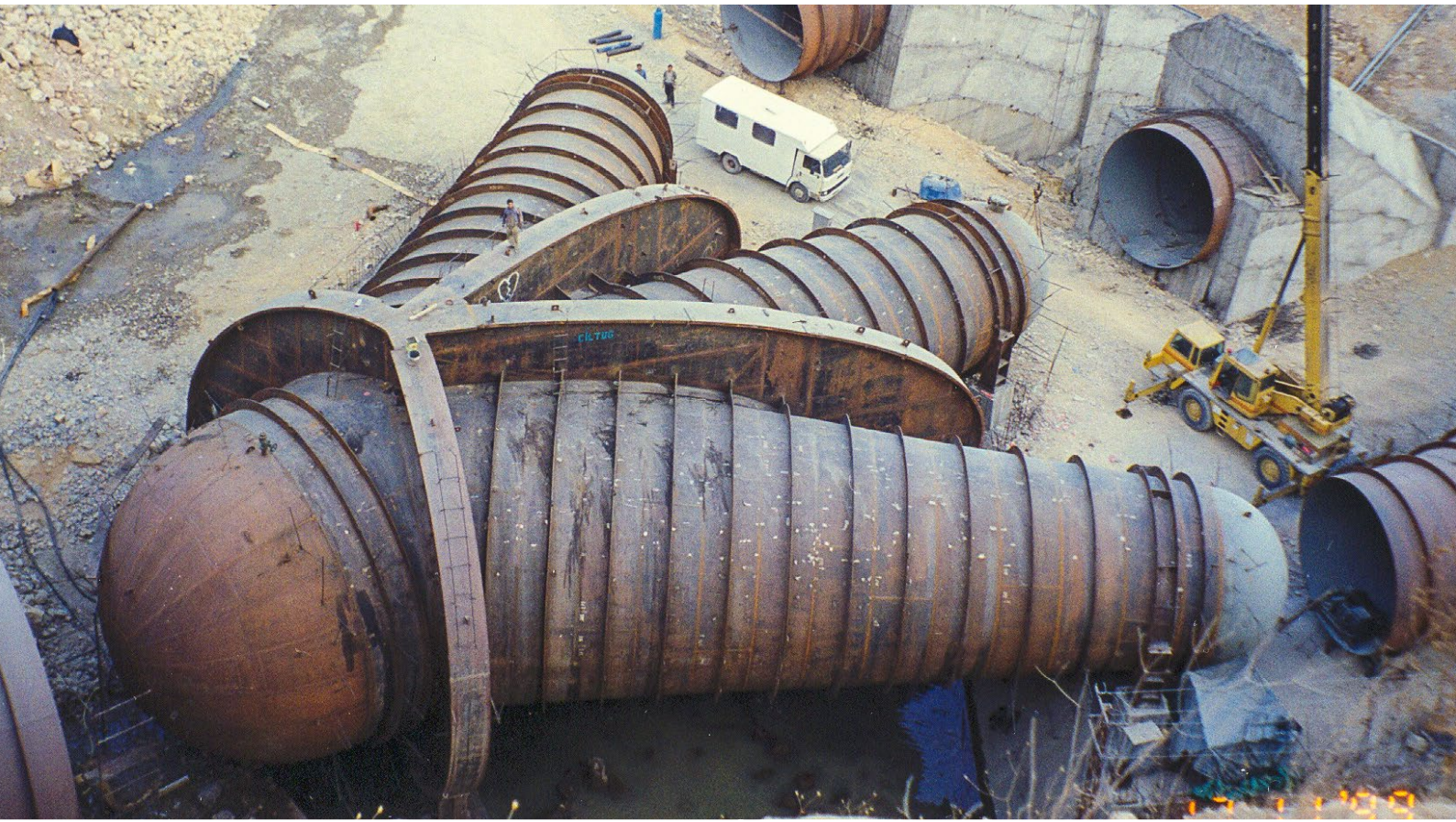
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HYDROMECHANICAL EQUIPMENT & PENSTOCKS

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
1971



ÇİLTUĞ
ISI SANAYİ ve TİCARET A.Ş.





KARAKAYA DAM & HEPP PROJECT (8x300 MW), DIYARBAKIR / TURKEY

CLIENT: General Directorate of State Hydraulic Works (DSİ) of Turkey

PROJECT: KARAKAYA DAM AND HEPP (6x300 MW), ÇÜNGÜŞ-DIYARBAKIR / TURKEY

CONTRACTOR: Italstrade-Recchi Spa / Italy

SUB-CONTRACTOR: Noell GmbH and Çiltuğ Joint Venture

SCOPE:

- Fabrication, sandblasting, painting
- and erection of all permanent hydro-mechanical equipment such of Penstocks
- Penstocks: Ø6 m L= 80 mx6 lines, 5,500 tons
- Spillway radial gates: 14 mx10 m, 1,500 tons
- Water intake equipment: 2,700 tons
- Bottom outlet tunnel steel lining and gates: 3,250 tons
- Draft tube gates: 650 tons
- Power house machine hall cranes and other cranes erections: 1,900 tons.

TOTAL WEIGHT 15,500 Tons

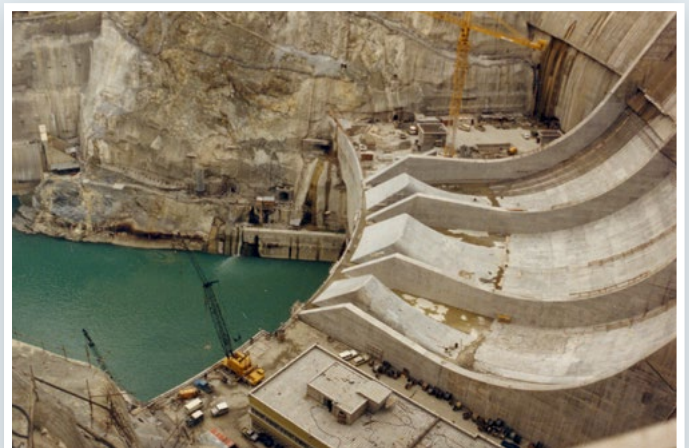
COMPLETED IN: 1989



Regulator Structure Upstream View



Spiral Case and Stay Ring, During Erection



Regulator Structure, Downstream View

ATATÜRK DAM & HEPP PROJECT (8x300 MW), ŞANLIURFA / TURKEY

CLIENT: General Directorate of State Hydraulic Works of Turkey (DSİ)

PROJECT: ATATÜRK DAM AND HEPP (8x300 MW), ŞANLIURFA / TURKEY

CONTRACTOR: Noell GmbH / Germany, Sulzer-Escher Wyss Ltd. & Asea Brown Boveri Co. / Switzerland

SUB-CONTRACTOR: Noell GmbH and Çiltuğ Joint Venture

SCOPE:

- Fabrication, sandblasting, painting, erection and testing of penstocks, supports and expansion joints
- Pipe Diameter: Ø5.5 m-Ø8 m
- Pipe Plate: 22-44 mm
- Pipe Length: 650 mx8 Lines.

TOTAL WEIGHT: 26,600 Tons

TOTAL PAINTING AREA: 250,000 m²

COMPLETED IN: 1994



Penstocks Intake Transition



Complete Penstock Lines



Penstock Lines



Penstocks

BATMAN DAM & HEPP PROJECT (3x63 MW), DIYARBAKIR / TURKEY

CLIENT: General Directorate of State Hydraulic Works of Turkey (DSİ)

PROJECT: BATMAN DAM AND HEPP (3x63 MW), SILVAN-DIYARBAKIR / TURKEY

CONTRACTOR: Onar-Günsayıl İnş. / Turkey

SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Fabrication and erection of all hydro- mechanical equipment, Intake Gates, Trashracks, Penstocks, Tri-Furcation and bifurcation branch pipes, gantry cranes, slide and conical valves. Steel Lining and Penstocks: 3,500 tons
- Radial gates: 6 no's, 1,600 tons
- Trashracks, stoplogs service gates and other equipment: 1,900 tons.

TOTAL WEIGHT: 7,000 Tons

COMPLETED IN: 2000



Trifurcation Branch Pipe (During Erection)



Tunnel Steel Lining (During Erection)



Penstock Fabrication at site and prefabrication Area. Total= 35 tons.



Trifurcation Branch Pipe, \varnothing inlet= 9500 mm / \varnothing outlet= 5000 mm x 3 / Weight= 700 ton

ŞANLIURFA PLAIN IRRIGATION PROJECT, ŞANLIURFA / TURKEY

CLIENT: General Directorate of State Hydraulic Works of Turkey (DSİ)

PROJECT: ŞANLIURFA OVASI IRRIGATION PROJECT, ŞANLIURFA / TURKEY

CONTRACTOR: Tekser İnşaat / Turkey

SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

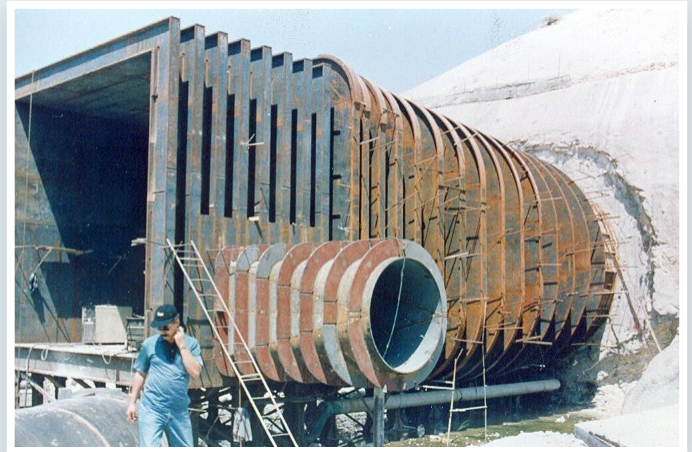
- Fabrication and erection of upstream controlled gates.
- Two numbers of emergency Gates in dimensions of 3.5 mx4.27 m, two numbers of stoplog gates in dimensions of 3.5 mx4.3 m, four numbers of hydraulic operated radial gates in dimensions of 6.8 mx6.5 m, gantry crane 20 tons capacity with 7.6 m clearance, trashracks, by-pass and tunnel steel liners.

TOTAL WEIGHT: 1,790 Tons

COMPLETED IN: 1995



Radial Gates for Irrigation Regulator



Tunnel Outlet Transition Part



Hydraulically Driven Sliding Gate

JIROFT DAM & HEPP PROJECT (2x50 MW) / IRAN

CLIENT: Iran Ministry of Energy

PROJECT: JIROFT DAM AND HEPP (2x50 MW) / IRAN

CONTRACTOR: Noell GmbH, Würzburg / Germany

SUB-CONTRACTOR: Çiltuğ A.Ş.

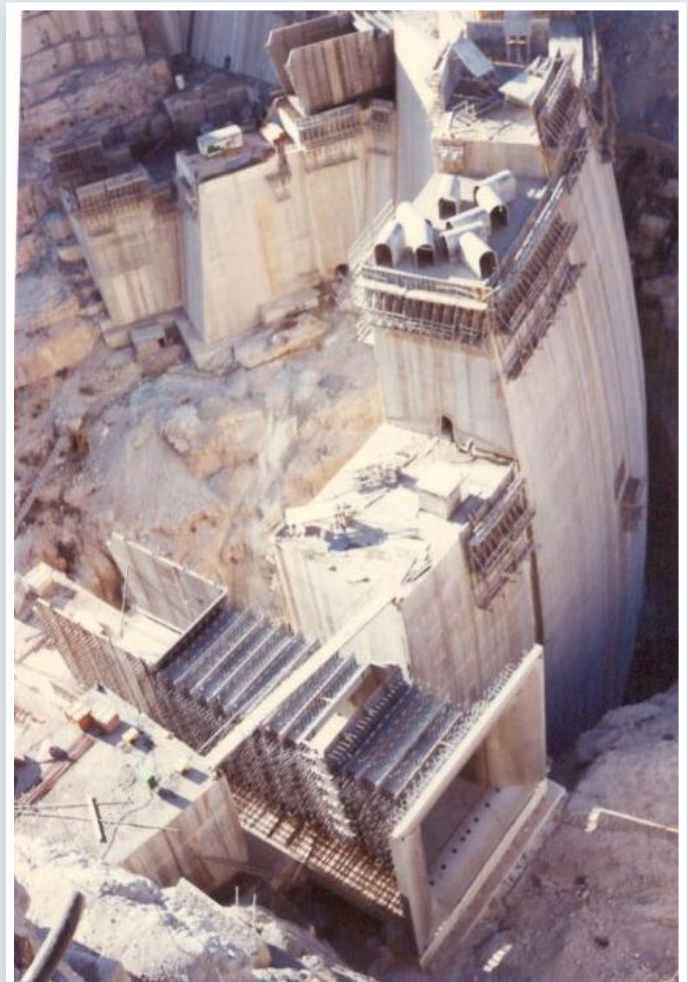
SCOPE:

- Sandblasting, painting, erection and commissioning of all permanent hydro-mechanical equipment.
- Radial gates, fixed wheel gates, sliding gates, draft tube gates, butterfly valve, trashracks, stoplog gates, Irrigation services gates, penstocks, bifurcation branch and all electrical control systems of hydro-mechanical equipments.
- Penstocks: **350 tons**
- Spillway Radial Gates: **1,465 tons**
- Water Intake Equipment: **100 tons**
- Bottom Outlet Steel Lining and Gates: **115 tons**
- Other Gates and Equipment Erection: **170 tons**

TOTAL WEIGHT: 2,200 Tons

COMPLETED IN: 1991

Regulator Structure, Downstream View



Mechanically Driven Unit for Radial Gates After Fabrication

PHLC PEHUR HIGH LEVEL CANAL PROJECT (2x45 MW) / PAKISTAN

CLIENT: Water and Power Development Authority (WAPDA) / Pakistan

PROJECT: PEHUR HIGH LEVEL CANAL PROJECT (PHLC) / PAKISTAN

CONTRACTOR: Sezai Türkeş Fevzi Akkaya Construction Co. (STFA)

SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication, erection and commissioning of Self-Regulating Gates 13 no of Canal Cross Regulator with 26 Self Regulating Gates AVIS Types 160 / 300 to 200 / 375, Avis Types 200 / 630 to 250 / 1000 including Stoplog Gates and Isolating Gates on the canal and erection of SIPHON and Tunnel Pipes Ø3.1 m to Ø3.35 m, L=5,660 m

TOTAL WEIGHT: 4,000 Tons

COMPLETED IN: 2003



NASIRIYAH PUMPING STATION & INVERTED SIPHON PROJECT /IRAQ

CLIENT: Irak Ministry of Irrigation, Baghdad / Iraq

PROJECT: NASIRIYAH PUMPING STATION AND INVERTED SIPHON PROJECTS / IRAQ

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and delivery of Stoplog, emergency and siphon Gates, lifting mechanism and cranes with embedded parts.

TOTAL WEIGHT: 350 Tons

COMPLETED IN: 2002



Stoplog Gates

MARDİN-CEYLAN PINAR IRRIGATION, SANLIURFA / TURKEY

CLIENT: Aykotec İş Ortaklığı / Turkey

PROJECT: MARDİN-CEYLAN PINAR IRRIGATION,
ŞANLIURFA / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and erection of Radial Gates,
Stoplogs Gates and Hydraulic Lifting Equipments.

TOTAL WEIGHT: 1,694 Tons

COMPLETED IN: 2010



Radial Gates

KALEN I-II HEPP PROJECT, GİRESUN / TURKEY

CLIENT: Kalen Eneji A.Ş. / Turkey

PROJECT: KALEN I-II HEPP PROJECT, GİRESUN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Ø1800 / Ø1900 mm ve Ø1300 / Ø800 mm
penstock and elbow, branch, hydro-mechanical
equipment fabrication and erection.

TOTAL WEIGHT: 23.51 Tons

COMPLETED IN: 2009



Penstocks Line



Branch Pipe

OFFSHORE SUB-MARINE PIPELINE PROJECT / NORTH CYPRUS

CLIENT: Sigur-Ros Kalyon Joint Venture / TURKEY

PROJECT: OFFSHORE SUB-MARINE PIPELINE PROJECT / NORTH
CYPRUS TURKISH REPUBLIC

CONTRACTOR: Noell GmbH, Würzburg / Germany

SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- 132 pcs of Elbow ("Y" Piece)
- Manufacturing and Transport for KKTC Offshore
- (Sub-Marine) Fresh Water Supply Project

TOTAL WEIGHT: 1,245 Tons

COMPLETED IN: 2015



Elbow "Y" Piece



RAQQA, EL-BAB AND TADEFF PROJECT / SYRIA

CLIENT: Syrian General Organization for Land Development-Irrigation Balikh Basin / Syria

PROJECT: RAQQA, AL-BAB AND TADEFF PROJECT / SYRIA

CONTRACTOR: Mehmet Güneş İnşaat

SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of Hydro-Mechanical Equipment

- Water Intake Gates (2.2 mx2.4 m)
- 3 pcs. (1.6 mx2.2 m)
- 1 pc. (1.5 mx1.9 m)
- 1 pc. (1.0 mx1.3 m)
- 1 pc. Self Regulating Gate (AVIS 200 / 375)

TOTAL WEIGHT: 70 Tons

COMPLETED IN: 2005



Water Intake Gates

NAM THEUN 2 PROJECT / CAMBODIA

CLIENT: GE General Energy / Norway

PROJECT: NAM THEUN 2 PROJECT / CAMBODIA

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and delivery exworks for

- 8 numbers of Francis Draft Tube Stoplogs including lifting beams, dogging beams and spares
- 4 numbers of pelton draft tube stoplogs including lifting beams, dogging beams and spares
- 1 set drainage and dewatering system.

TOTAL WEIGHT: 87 Tons

COMPLETED IN: 2007



Francis & Pelton Turbine Stoplog Gates

NASIRIYAH DRAINAGE PUMP STATION PROJECTS / IRAQ

CLIENT: Washington International Black & Veatch Public Works J.V. / USA

PROJECT: NASIRIYAH DRAINAGE PUMP STATION PROJECTS / IRAQ

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and exworks delivery for

- 2 set of inlet guard gate upper panel (1600 x 6400 x 725 mm)
- 2 set of inlet guard gate lower panel (2400 x 6400 x 725 mm)
- 2 set of outlet guard gate panel (4765 x 5000 x 4985 mm)

TOTAL WEIGHT: 37 Tons

COMPLETED IN: 2007



Inlet and Outlet Guard Gates

KEKLİCEK HEPP PROJECT, MALATYA / TURKEY

CLIENT: H.G.M. Enerji İnşaat Ltd. Şti. / Turkey

PROJECT: KEKLİCEK HEPP PROJECT, MALATYA / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Penstocks and Hydro-mechanical equipment fabrication and erection.

TOTAL WEIGHT: 284 Tons

COMPLETED IN: 2008



Penstocks Line



Power House and Penstocks Line

AKSU HEPP PROJECT, GİRESUN / TURKEY

CLIENT: Kalen Enerji Elektrik Üretim A.Ş. / Turkey

PROJECT: AKSU HEPP PROJECT, GİRESUN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and erection of Penstocks and Howel-Bungen Valf.

TOTAL WEIGHT: 120.50 Tons

COMPLETED IN: 2010



Water Intake Gates

AL-KHALIJ PROJECT / LIBYA

CLIENT: Gama Endüstri A.Ş. / Turkey

PROJECT: AL-KHALIJ PROJECT / LIBYA

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of Stoplogs Gate, Stoplog Embedded Structures, Intake Header and test cover, Manhole Gates and embedded structure.

TOTAL WEIGHT: 400 Tons

COMPLETED IN: 2011



Stoplogs Gates

ARTVİN HEPP PROJECT (2x166 MW), ARTVİN / TURKEY

CLIENT: Alstom Power Ulaşım A.Ş. / Turkey

PROJECT: ARTVİN PROJECT (2X166 MW), ARTVİN/
TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and erection of Bottom Outlet and Intake Trashracks, Intake Bellmouth, Bottom Outlet Penstocks, Bottom Outlet Sliding Gate and Jet Flow Gate, Intake Bulkhead and Embedded Parts and Bottom Outlet Liner.

TOTAL WEIGHT: 1,574 Tons

COMPLETED IN: 2016



Stoplog Gates



BANJA HEPP PROJECT / ALBANIA

CLIENT: Alstom Hydro / FRANCE

PROJECT: BANJA HEPP PROJECT / ALBANIA

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 1 unit Radial Gate fabrication.

TOTAL WEIGHT: 140 Tons

COMPLETED IN: 2016



Radial Gate

BOYABAT HEPP PROJECT (3x170MW), SINOP / TURKEY

CLIENT: Doğu İnşaat ve Tic A.Ş.

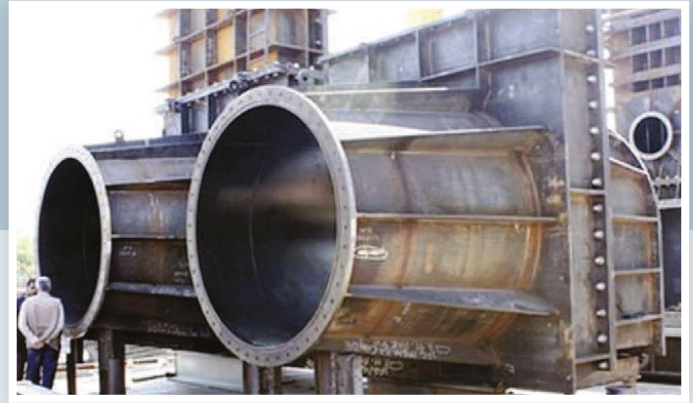
PROJECT: BOYABAT HEPP PROJECT (3 x 170 MW),
SINOP / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and erection of Hydromechanical
Equipment

TOTAL WEIGHT: 5000 Tons

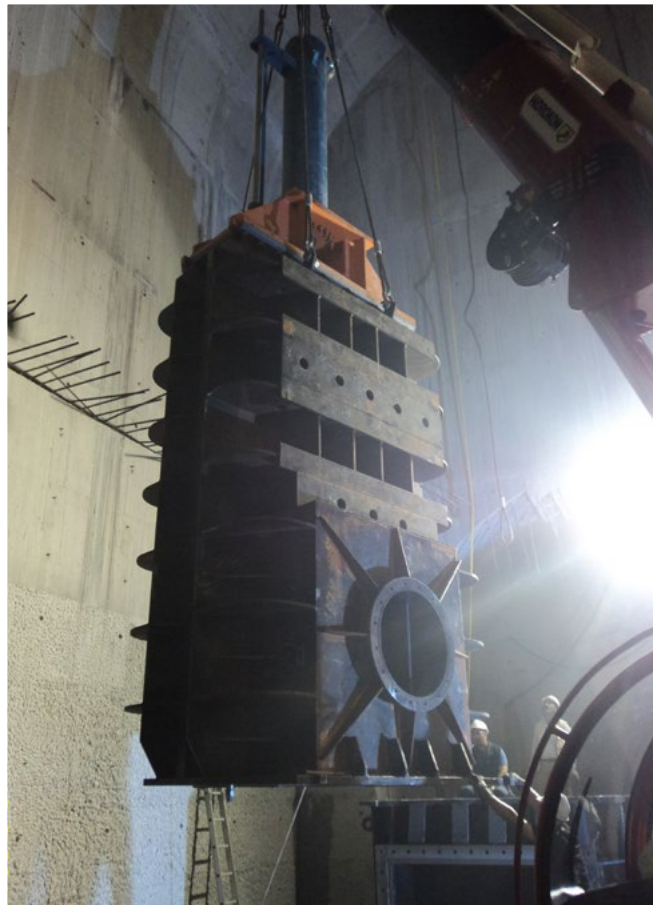
COMPLETED IN: 2011



Jet Flow Gates



Sliding Gates



Sliding Gates



Sliding Gates

AKKOY II HEPP (2x116MW) GİRESUN / TURKEY

CLIENT: Kolin İnşaat A.Ş.

PROJECT: AKKOY II HEPP PROJECT (2X116MW),
GİRESUN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and Erection of Penstocks, Vertical
Shaft Pipes and Bifurcation.

TOTAL WEIGHT: 10,000 Tons

COMPLETED IN: 2012



Branch Pipe



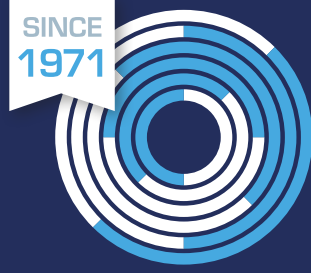
Penstocks



Penstocks



Penstocks



ÇİLTUĞ

ISI SANAYİ ve TİCARET A.Ş.

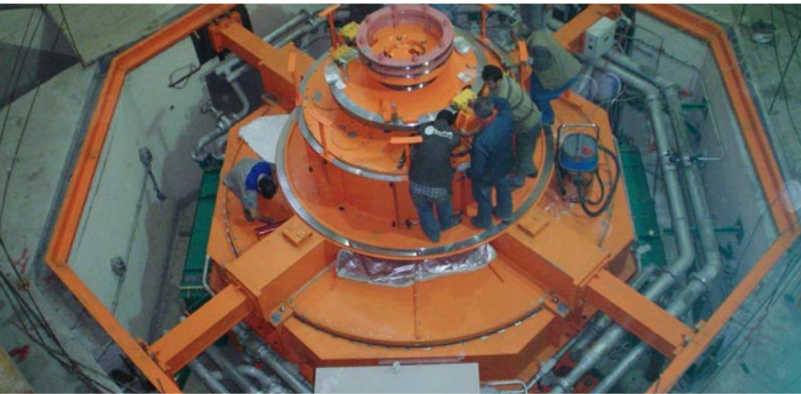
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ELECTROMECHANICAL EQUIPMENT

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
1971



ÇİLTUĞ
ISI SANAYİ ve TİCARET A.Ş.





YEDİĞÖZE HEPP PROJECT (2x158,5 MW), ADANA / TURKEY

CLIENT: Alstom Power Hidro Elektrik Ltd.Sti. / Turkey

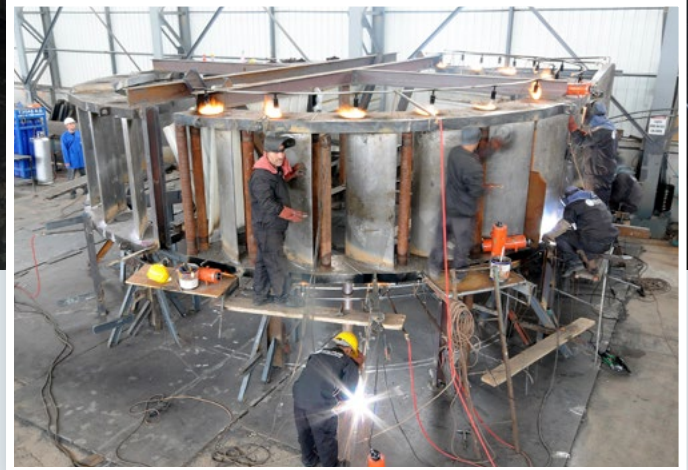
PROJECT: YEDİĞÖZE HEPP PROJECT (2x158,5 MW),
ADANA / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units Draft Tube, Spiral Case &
Stay Ring, Spiral Case Sleeves and Pit Liner.

TOTAL WEIGHT 433.40 Tons

COMPLETED IN: 2009



Spiral Case & Stay Ring.



Draft Tube Elbow



Draft Tube Cone

AKKÖY HEPP PROJECT (3x34.5 MW), GÜMÜŞHANE / TURKEY

CLIENT: Voith Siemens Hydro Power Generation, Austria

PROJECT: AKKÖY HEPP PROJECT, GÜMÜŞHANE /
TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 3 numbers of spiral case, stay ring
and erection accessories and delivery to Akköy Job site.

TOTAL WEIGHT: 49 Tons

COMPLETED IN: 2007



Spiral Case and Stay Ring Production



CEYHAN (OSKAN&BERKMAN) HEPP PROJECT (6x10 MW), OSMANIYE / TURKEY

CLIENT: Alstom Power / Austria

PROJECT: CEYHAN (OSKAN&BERKMAN) HEPP PROJECT,
OSMANIYE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 6 units draft tube, 6 units Pit Liner
and 2 sets Counterweights..

TOTAL WEIGHT: 378 Tons

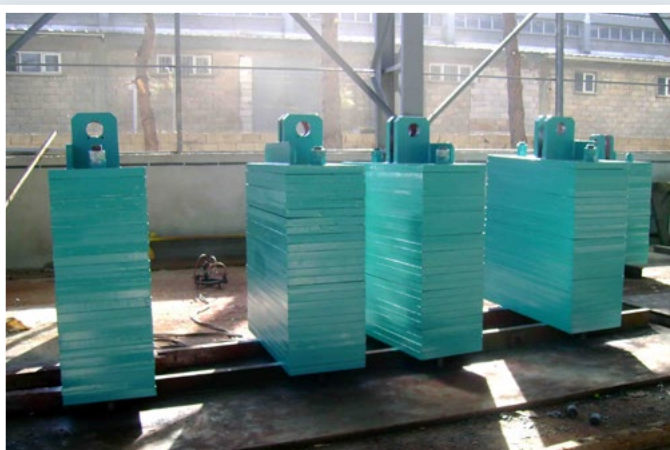
COMPLETED IN: 2008



Draft Tube Cone & Hub Assembly



Draft Tube Cone



Counterweights



Draft Tube

AKKÖY 2 HEPP PROJECT (2x116 MW), GİRESUN / TURKEY

CLIENT: Voith Hydro Ltd. Sti. / Turkey

PROJECT: AKKÖY 2 HEPP PROJECT, GİRESUN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units Turbine Housing,
Distribution Pipe & Template Plate.

TOTAL WEIGHT: 121.46 Tons

COMPLETED IN: 2010



Turbine Housing



Distribution Pipe

YEDİGÖL-AKSU HEPP PROJECT, ERZURUM / TURKEY

CLIENT: Voith Hydro S.L. / Spain

PROJECT: YEDİGÖL-AKSU HEPP PROJECT, ERZURUM /
TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 4 sets Distribution Pipe,
Turbine Housing and Oil Pipes.

TOTAL WEIGHT: 62.70 Tons

COMPLETED IN: 2009



Distribution Pipe



Turbine Housing

HACININOĞLU HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CLIENT: Andritz Hydro Ltd. Sti., Ankara / Turkey

PROJECT: HACININOĞLU HEPP PROJECT (130 MW),
KAHRAMANMARAŞ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units Draft Tube, Spiral Case & Stay Ring and Pit Liner.

TOTAL WEIGHT: 126.61 Tons

COMPLETED IN: 2009



Spiral Case



Pit Liner



Draft Tube Elbow

KUŞLUK 2 HEPP PROJECT, TRABZON / TURKEY

CLIENT: Andritz Hydro Ltd. Sti., Ankara / Turkey

PROJECT: KUŞLUK HEPP PROJECT, TRABZON / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units Manifold, Turbine Housing, Inlet Flange & Tools.

TOTAL WEIGHT: 23.51 Tons

COMPLETED IN: 2009



Turbine Housing



Manifold and Turbine Housing

SISIMIUD PROJECT / NEW ZEALAND

CLIENT: Kössler G.m.b.H. / Austria

PROJECT: SISIMIUD PROJECT / NEW ZEALAND

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units spiral case and manhole cover.

TOTAL WEIGHT: 13.44 Tons

COMPLETED IN: 2008



Spiral Case



Spiral Case Transport

AKKÖY HEPP PROJECT (3x34.5 MW), GÜMÜSHANE / TURKEY

CLIENT: Voith Siemens Hydro Power Generation / Austria

PROJECT: AKKÖY HEPP PROJECT, GÜMÜSHANE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 3 numbers of inlet pipes and delivery to Akköy Job site. (Ø2410 / 2241x3985 mm)

TOTAL WEIGHT: 21 Tons

COMPLETED IN: 2007



Turbine Inlet Pipe

AKOCAK HEPP PROJECT, TRABZON / TURKEY

CLIENT: Voith Siemens Hydro Power Generation / Austria

PROJECT: AKOCAK HEPP PROJECT, TRABZON / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 numbers of turbine housing and delivery to Akocak Job site.

TOTAL WEIGHT: 25 Tons

COMPLETED IN: 2007



Turbine Housing

AKKÖY HEPP PROJECT (3x34.5 MW), GÜMÜSHANE / TURKEY

CLIENT: Voith Siemens Hydro Power Generation / Austria

PROJECT: AKKÖY HEPP PROJECT, GÜMÜSHANE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of three numbers of draft tube bend liners and erection accessories and delivery to job site. (Ø1780 / 5200x1220 mm)

TOTAL WEIGHT: 18 Tons

COMPLETED IN: 2007



Draft Tube Bend

HAMZALI HEPP PROJECT, KIRIKKALE / TURKEY

CLIENT: Voith Siemens Hydro Power Generation / Spain

PROJECT: HAMZALI HEPP PROJECT, KIRIKKALE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication for 2 numbers of draft tube bend liners and erection accessories and delivery to Hamzalı job site (Ø2,108 / 6,410x1,249 mm).

TOTAL WEIGHT: 19 Tons

COMPLETED IN: 2007



Turbine Draft Tube Bend

REŞADİYE 1-2-3 HEPP PROJECT, TOKAT / TURKEY

CLIENT: Voith Siemens Hydro Power Energy / Austria

PROJECT: RESADİYE 1-2-3 HEPP PROJECT, TOKAT / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 6 units draft tube and accessories.

TOTAL WEIGHT: 63.5 Tons

COMPLETED IN: 2008



Draft Tube Elbow



Draft Tube Elbow Transport

KANDİL HEPP PROJECT, KAHRAMANMARAS / TURKEY

CLIENT: Andritz Hydro Ltd.Sti. / Turkey

PROJECT: KANDİL HEPP PROJECT,
KAHRAMANMARAS / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 3 sets Draft Tube, Drfat Tube
Cone & Mandoor and Pit Liner.

TOTAL WEIGHT: 41.49 Tons

COMPLETED IN: 2010



Draft Tube



Draft Tube Cone and Pit Liner

YEDİSU HEPP PROJECT, BİNGÖL / TURKEY

CLIENT: Andritz Hydro Ltd.Sti. / Turkey

PROJECT: YEDİSU HEPP PROJECT, BİNGÖL / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 sets Draft Tube and Intake.

TOTAL WEIGHT: 58.70 Tons

COMPLETED IN: 2010



Draft Tube

UZUNDERE HEPP PROJECT, RİZE / TURKEY

CLIENT: Alstom Power Hydro / Spain

PROJECT: UZUNDERE HEPP PROJECT, RİZE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of Downstream & Upstream Sleeves and Turbine Housing.

TOTAL WEIGHT: 19.3 Tons

COMPLETED IN: 2008



Downstream and Upstream



Turbine Housing transport

BORÇKA-MURATLI HEPP PROJECT, ARTVİN / TURKEY

CLIENT: Voiths Siemens Hydro Power Generation

PROJECT: BORÇKA-MURATLI HEPP PROJECT, ARTVİN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication for two numbers of draft tube cones. (Ø5,630 / Ø4,991 mm)

TOTAL WEIGHT: 24.20 Tons

COMPLETED IN: 2002



Draft Tube Cones

UZUNÇAYIR HEPP PROJECT, TUNCELİ / TURKEY

CLIENT: Voith Siemens Hydro Power Energy / Austria

PROJECT: UZUNÇAYIR HEPP PROJECT, TUNCELİ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 sets Pit Liner, 1 set Cover for Test Pressure and Test Ring.

TOTAL WEIGHT: 17 Tons

COMPLETED IN: 2008



Pit Liner



Test Cover

MATKA PROJECT / MACEDONIA

CLIENT: GE General Energy / Norway

PROJECT: MATKA PROJECT / MACEDONIA

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units draft tube and cones (Ø1962 / 2399)

TOTAL WEIGHT: 12 Tons

COMPLETED IN: 2005



Draft Tube and Cones

KARGILIK HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CLIENT: Alstom Power SA, Barcelona / Spain

PROJECT: KARGILIK HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication and supply of 2 units of spiral casing ($\varnothing_i=1,560$ mm), 2 units of draft tubes and accessories.

TOTAL WEIGHT: 34 Tons

COMPLETED IN: 2004



Draft Tube

ÇALKIŞLA HEPP PROJECT, ERZİNCAN / TURKEY

CLIENT: Kössler Ges m.b.H. / Austria

PROJECT: ÇALKIŞLA HEPP PROJECT, ERZİNCAN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 numbers of draft tube elbows $\varnothing_i=1500$ / $\varnothing_o=2145$ mm and $\varnothing_i=990$ / $\varnothing_o=1386$ mm.

TOTAL WEIGHT: 4 Tons

COMPLETED IN: 2007



Draft Tube Elbows

ANDIRIN HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CLIENT: Alstom Power Hidro Elektrik Ltd.Sti. / Turkey

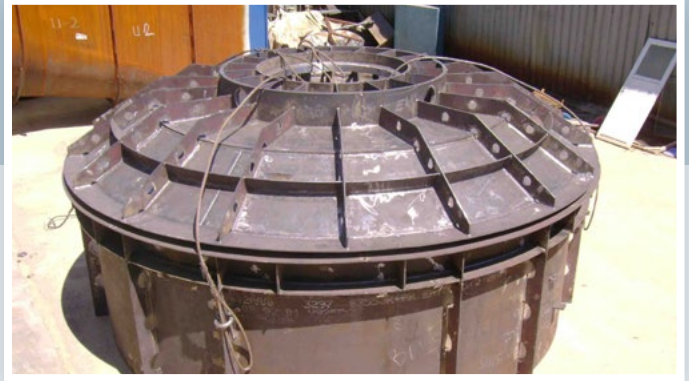
PROJECT: ANDIRIN HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 1 unit Turbine Housing and Distribution Pipe.

TOTAL WEIGHT: 20 Tons

COMPLETED IN: 2009



Pelton Turbine Housing C/W Distribution

DARICA HEPP PROJECT, ORDU / TURKEY

CLIENT: Voith Hydro Ltd. Sti., Ankara / Turkey

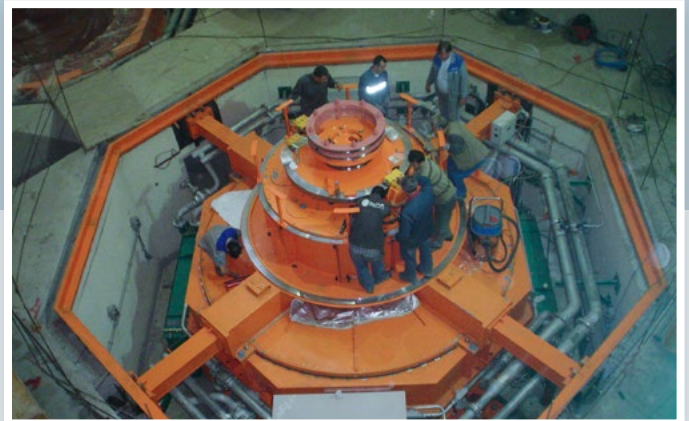
PROJECT: DARICA HEPP PROJECT, ORDU / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Erection of Electro-mechanical equipment.

TOTAL WEIGHT: 680 Tons

COMPLETED IN: 2009



Turbine Erection

SOENNA HOY PROJECT / NORWAY

CLIENT: GE General Energy / Norway

PROJECT: SOENNA HOY PROJECT / NORWAY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 2 units of inlet pipe and cone for turbine (DN2300 / 1300 mm, t=42 mm)

TOTAL WEIGHT: 41 Tons

COMPLETED IN: 2006



Turbine Inlet Pipe and Cone

SOENNA LAV PROJECT / NORVEÇ

CLIENT: GE General Energy / Norway

PROJECT: SOENNA LAV PROJECT / NORWAY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 1 unit of inlet pipe (DN2500 / 1700 mm, t=21 mm)

TOTAL WEIGHT: 12 Tons

COMPLETED IN: 2006



Turbine Inlet Pipe

SIR DAM & HEPP PROJECT, KAHRAMANMARAŞ / TURKEY

CLIENT: Çukurova Electricity Inc. (ÇEAS)

PROJECT: SIR DAM AND HEPP PROJECT (3x94,6 MW)
KAHRAMANMARAŞ / TURKEY

CONTRACTOR: Toshiba Co. / Japan

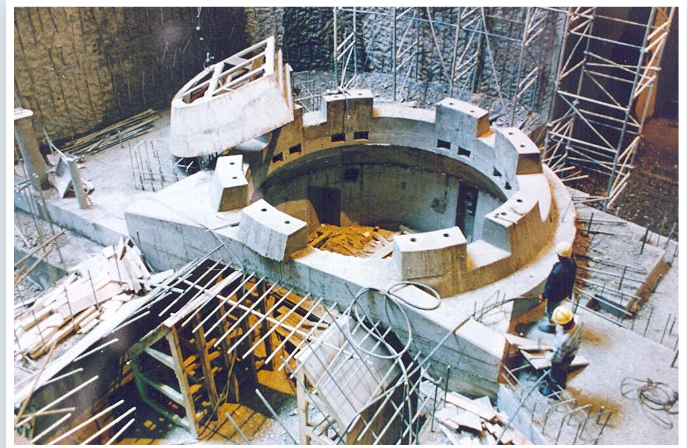
SUB-CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Erection of spiral cases, draft tubes, turbines, generators and accessories.
96 MW Francis turbine, 105 MWA generator, Ø7.4 m spiral casing, Ø5.3 m inlet pipe, Ø3.55 m draft tube, Ø3.14 m length 20.6 m draft tube outlet pipe, draft tube gates in dimension of 10.4 mx12 m, central power crane with 240 ton capacity and governor systems.

COMPLETED IN: 1991



Regulator Structure, Downstream View



Spiral Case and Stay Ring During Erection



Spiral Casing Parts

SENDJE ROTOR SPIDER / RUSSIA

CLIENT: Alstom Hydro France S.A./ FRANCE

PROJECT: SENDJE PROJECT / RUSSIA

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 4 Units Rotor Spider fabrication.

TOTAL WEIGHT: 61.3 Tons

COMPLETED IN: 2017



Rotor Spider

HARJAVALTA UPPER & LOWER BRACKET / FINLAND

CLIENT: Alstom Hydro Hydro/ SPAIN

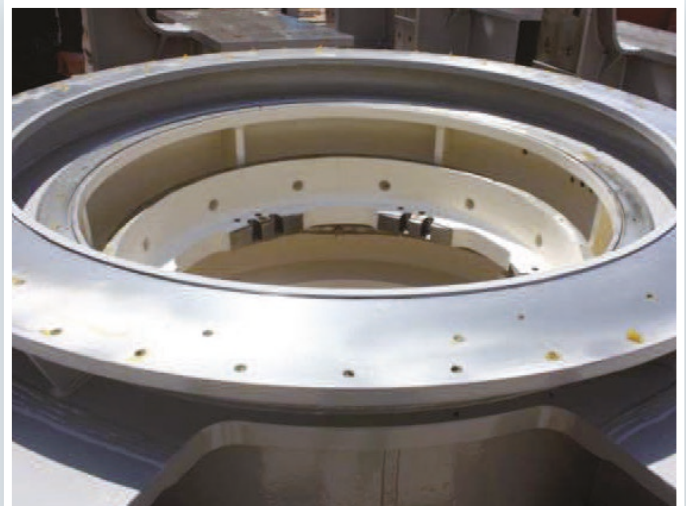
PROJECT: HARJAVALTA PROJECT / FINLAND

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 1 Unit Upper & Lower Bracket fabrication.

TOTAL WEIGHT: 32.8 Tons

COMPLETED IN: 2016



Upper & Lower Bracket

UPPER KALEKÖY PROJECT / TURKEY

CLIENT: Andritz Hydro Ltd. Sti., Ankara / Turkey

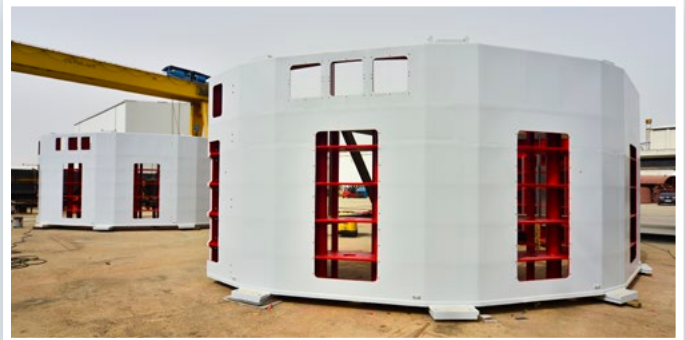
PROJECT: UPPER KALEKÖY PROJECT (634MW) / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 2 Units Stator Frame fabrication.

TOTAL WEIGHT: 119 Tons

COMPLETED IN: 2016



Stator Frame

PONTE FIUME PROJECT / ITALY

CLIENT: Andritz Hydro S.R.L./ ITALY

PROJECT: PONTE FIUME PROJECT / ITALY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 2 units Inner & Outer Wicket Gate Ring, Discharge Ring, Regulating Ring, Draft Tube and Inlet Pipe fabrication.

TOTAL WEIGHT: 105 Tons

COMPLETED IN: 2016



Draft Tube Elbow and Liner



ÇİLTUĞ

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WIND POWER TURBINE GENERATORS, TOWER FABRICATIONS & INSTALLATIONS

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
1971



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ISI SANAYİ ve TİCARET A.Ş.





REFERENCE PROJECTS

NORDEX ENERGY GMBH

SINCIK WEPP PROJECT- 11 UNITS TOWER, TYPE: N100, R80 MT5.1 EC 2A

LAGERWEY

SYSTEM BV-2 UNITS TOWERS& INTERNALS, TYPE: L100; 96.7 M

BAYKAL ENERGY

4 UNITS TOWERS & INTERNALS, TYPE: 68M HH, TC3

AMPERAX /MERIC ENERGY

2 UNITS TOWERS & INTERNALS, TYPE: 92M/3MW

AREVA WIND GMBH

TG01 TYPE TRANSPORTATION FRAME, WEIGHT: 196 TONS

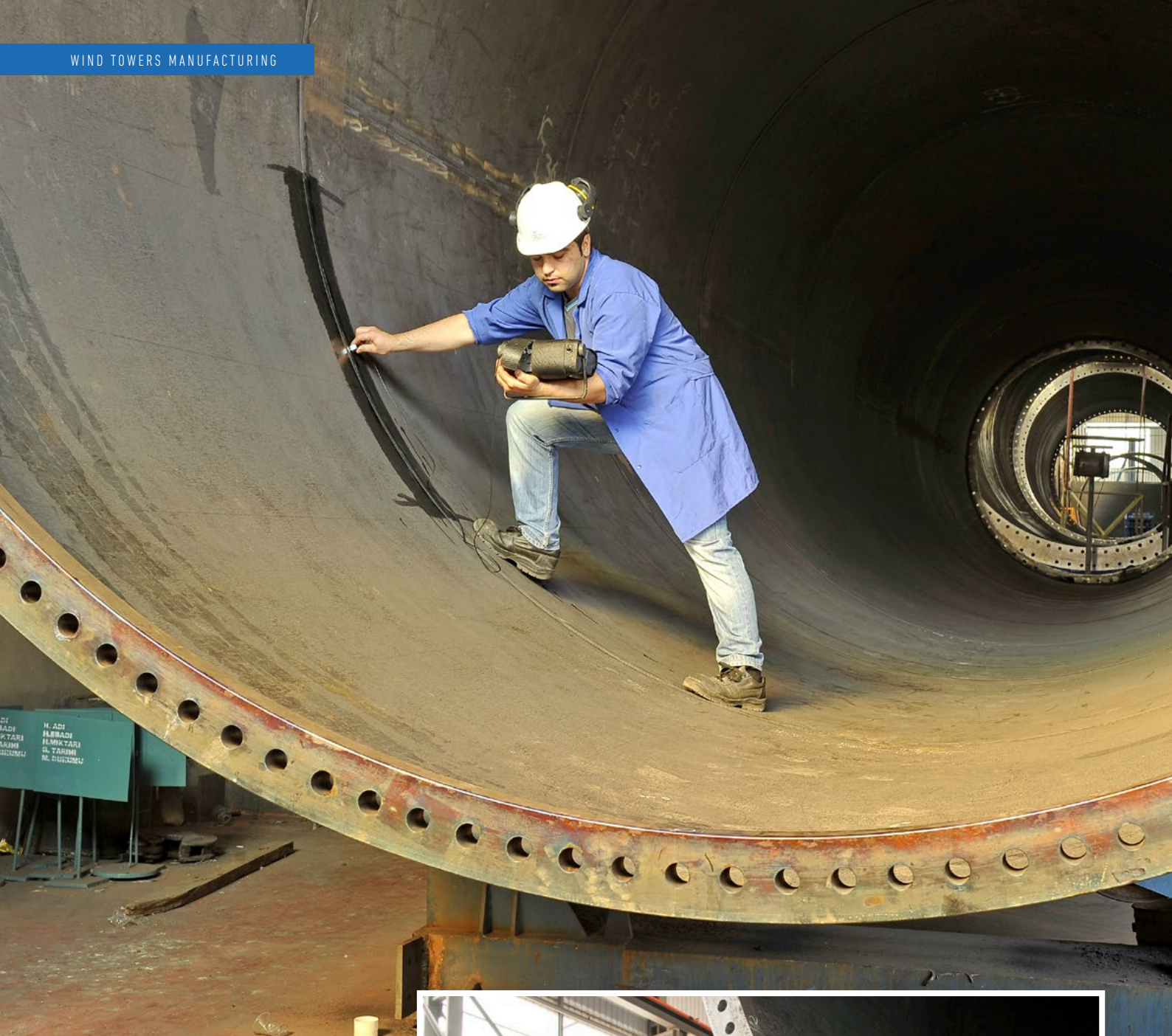


WE ARE ALSO PUSHING FORWARD THE WIND ENERGY SECTOR IN TURKEY

Already a keen supporter and investor in renewable energy, Çiltuğ Inc. started its activities in the sector with the construction of a Wind Tower and Accessories Construction Factory located on 7,000 m² covered area and 25,000 m² outdoor area designed specifically for the manufacture of wind towers.

- Steel wind tower production with a capacity of 80 towers annually (Single segments up to 105 tons.)
- Rotor houses,
- Stator structures & base frames for off-shore towers,
- Generator Brake discs & Stator plates,
- Turbine transportation frames,
- Anchor cages c/w flanges and foundation rings,
- Turbine Blade hubs,
- Mechanical internals&Platforms (Kit sets),
- Electrical and mechanical internal accessories installation with plug-in connection to the wind generator at the erection site.





QUALITY CONTROL (NDT)

All welding activities are carried out by our own EN ISO 9606-1 certified welders. NDT activities are carried out by our own EN ISO 9712 and SNT-TC-1AC certified inspectors.



AUTO SURFACE CLEANING & BLASTING CABIN, PAINTING BOOTHS

- **Sand Blasting Booth**

Dimensions: 8 x 30.5 x 6.5 m

Equipped with:

Automatic External Blasting Equipment with Turbine. Capacity: 80 m²/h

Manually Internal Blasting Equipment 4 set. Capacity: 50 m²/hour

- **Painting Booth**

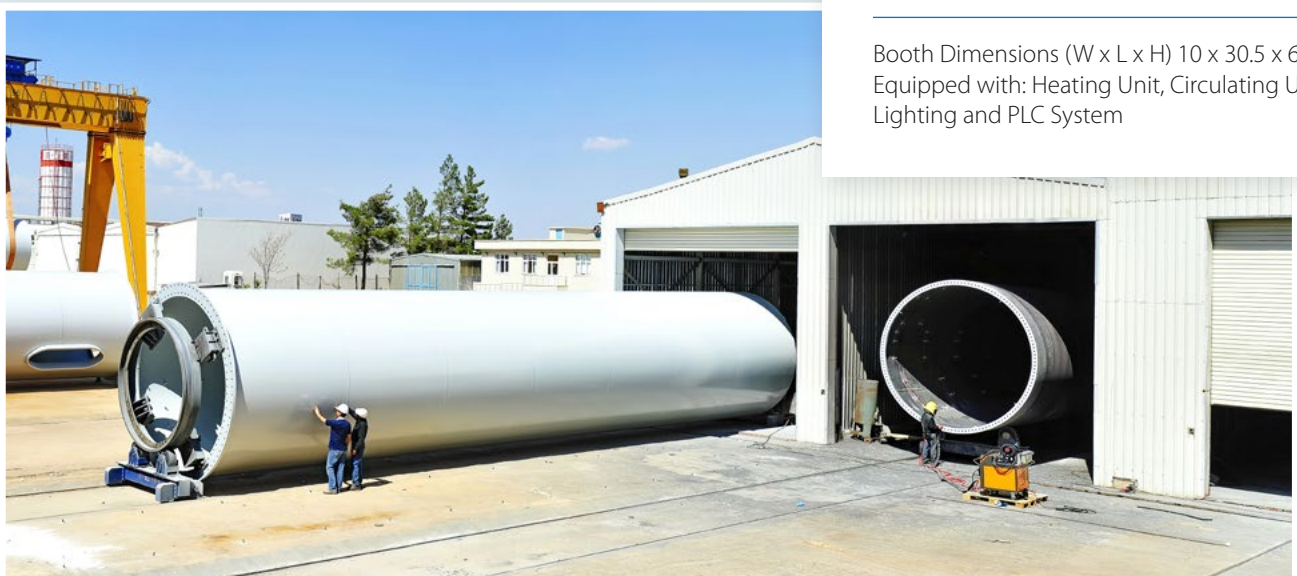
Dimensions: 10 x 30.5 x 6.5 m

Equipped with: Heating Unit, Circulating Unit, Lighting and PLC System

PLC CONTROLLED PAINTING AND CURING CABINS

Booth Dimensions (W x L x H) 10 x 30.5 x 6.5 m

Equipped with: Heating Unit, Circulating Unit,
Lighting and PLC System





INSTALLATION OF MECHANICAL & ELECTRICAL INTERNALS

Assembly of all mechanical and electrical internals including platforms, cabling, service elevators, ladders are carried out by experienced erection team at our workshop and project job sites.



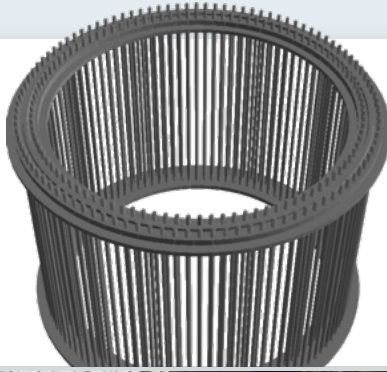
STORAGE AREA

80 tower segments are stored as single layer, and 160 tower segments are stored as double decker storing.



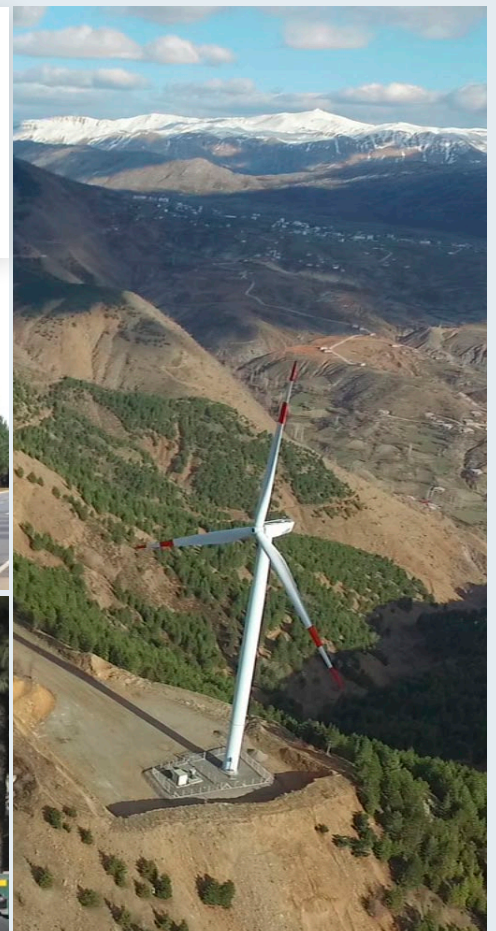
LOAD SPREADING AND ANCHORAGE FLANGES

Bis dolest quidionse voluptas qui omnime porporenimi, ea velendi optatur rerem eataesci blaudae ctecto.



DELIVERY AND INSTALLATION

Bis dolest quidionse voluptas qui omnime porporenimi, ea velendi optatur rerem eataesci blaudae ctecto.





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PRESSURIZED VESSELS & TANKS

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
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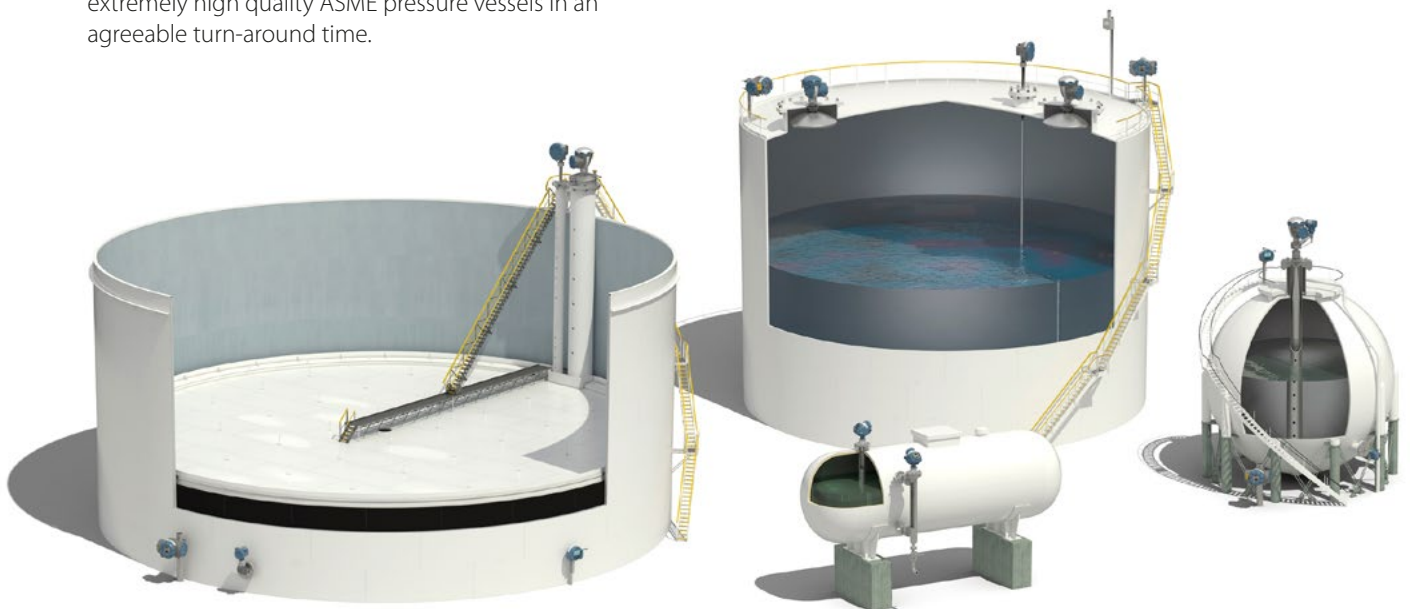


MEETING THE HIGHEST INDUSTRY STANDARTS

Çiltığ Inc. designs reliable ASME quality assured pressure vessels for petroleum and chemical industries. Our engineering background and vast manufacturing experience allows us to model and engineer pressure vessels that meet all relevant industry standards. Each pressure vessel is customized to best fit the needs of its application. Pressure vessels can be customized to meet high or low pressure rating, to have accessory valves, and heating and cooling options. Our meticulous attention to detail and engineering expertise means we can design extremely high quality ASME pressure vessels in an agreeable turn-around time.

PRODUCT PORTFOLIO

- Crude Oil Storage Tanks
- Water Tanks
- LPG Tanks
- Pressurized Cement Silos
- Horizontal Separation Tanks
- Cryogenic Vessels





HORIZONTAL SEPARATION OF FREE WATER TANK, ANKARA / TURKEY

CLIENT: Türkiye Petrolleri Anonim Ortaklığı / Turkey

PROJECT: HORIZONTAL SEPARATION OF FREE WATER TANK, ANKARA/TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 4 numbers Horizontal Separation of Free Water Tank.

TOTAL WEIGHT: 63 Tons

COMPLETED IN: 2011



Horizontal Separation of Free Water Tank



10M³ LOX CRYOGENIC TANK / TURKEY

CLIENT: Oknal A.Ş. / Turkey

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 2 Units 10m³ LOX Cryogenic Tank Fabrication.

TOTAL WEIGHT: 10.6 Tons

COMPLETED IN: 2017

05 07 2

Cryogenic Tanks





NASIRIYAH&DEWANIYAH PROJECT, BAGHDAD / IRAQ

CLIENT: Ministry of Oil SCOP, Bahgdad / Iraq

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 6 numbers Relief Drums Tank.

TOTAL WEIGHT: 210 Tons

COMPLETED IN: 2009



DOUBLE DECK FLOATING ROOF CRUDE-OIL STORE TANK FOR TUBA-TANK FIELD, BASRAH / IRAQ

CLIENT: Iraq Ministry of Oil S.C.O.P. State Company for Oil Projects

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Supply of Prefabricated Steel Plates and fabricated structures and electrical, Instrumentation accessories for 1 no of 66,000 m³ floating roof crude-oil storage.

TOTAL WEIGHT: 1,800 Tons

COMPLETED IN: 2004



PROCESS TANKS BAD OIL TANK AND FIRE FIGHTING WATER TANKS FOR RATAWI, BASRAH / IRAQ

CLIENT: Iraq Ministry of Oil, South Oil Company of Iraq

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Supply of prefabricated steel plates and fabricated structures and electrical, Instrumentation, accessories for 2 no's 5,000 m³ capacity process tanks, 1 no 700 m³ Bad-Oil tank, 2 no's 500 m³ fire water tanks.

TOTAL WEIGHT: 400 Tons

COMPLETED IN: 2004



PRESSURED CEMENT SILOS, ANKARA / TURKEY

CLIENT: Türkiye Petrolleri Anonim Ortaklığı / Turkey

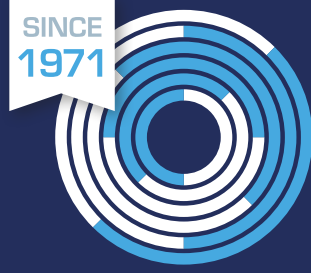
CONTRACTOR: Çiltuğ A.Ş.

SCOPE: Fabrication of 5 numbers 9.55 m³ Pressured Cement Silos.

TOTAL WEIGHT: 29.75 Tons

COMPLETED IN: 2009





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TURNKEY CIVIL & CONTRACTING WORKS

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ANDIRIN HEPP PROJECT (42 MW), KAHRAMANMARAŞ / TURKEY

CLIENT: Tektuğ Elektrik Üretim A.Ş.

PROJECT: ANDIRIN HEPP (42 MW) PROJECT, ANDIRIN-
KAHRAMANMARAŞ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works and mechanical and electrical equipment fabrication and erection works.
- Civil works for regulator structure, transmission line, water charge pool and power house building
- Fabrication and erection of all hydro-mechanical equipment.
- Complete civil works for regular structures, water transmission line, head pond and power house.
- Complete fabrication and erection of hydro mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL EQUIPMENT WEIGHT: 2,044 Tons

COMPLETED IN: 2010

Regulator Structure and Lake Area



Regulator Structure Downstream View



Regulator Structure Downstream View

ANDIRIN HEPP PROJECT (42 MW), KAHRAMANMARAŞ / TURKEY

Penstocks Line



Head Pond



Head Pond



Penstocks Line



Penstocks Line

Power House, Switch Yard
and Penstocks Line



Power House, Switch Yard and Penstocks Line



Turbine-Generator Group



Turbine-Generator Group



Turbine Housing



Regulator Structure, Downstream View

KARGILIK HEPP (2x12 MW), KAHRAMANMARAŞ / TURKEY

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş. (Under the control of the Ministry of Energy and Energy Market Regulatory Authority)

PROJECT: KARGILIK HEPP (2x12 MW), ANDIRIN - KAHRAMANMARAS / TURKEY

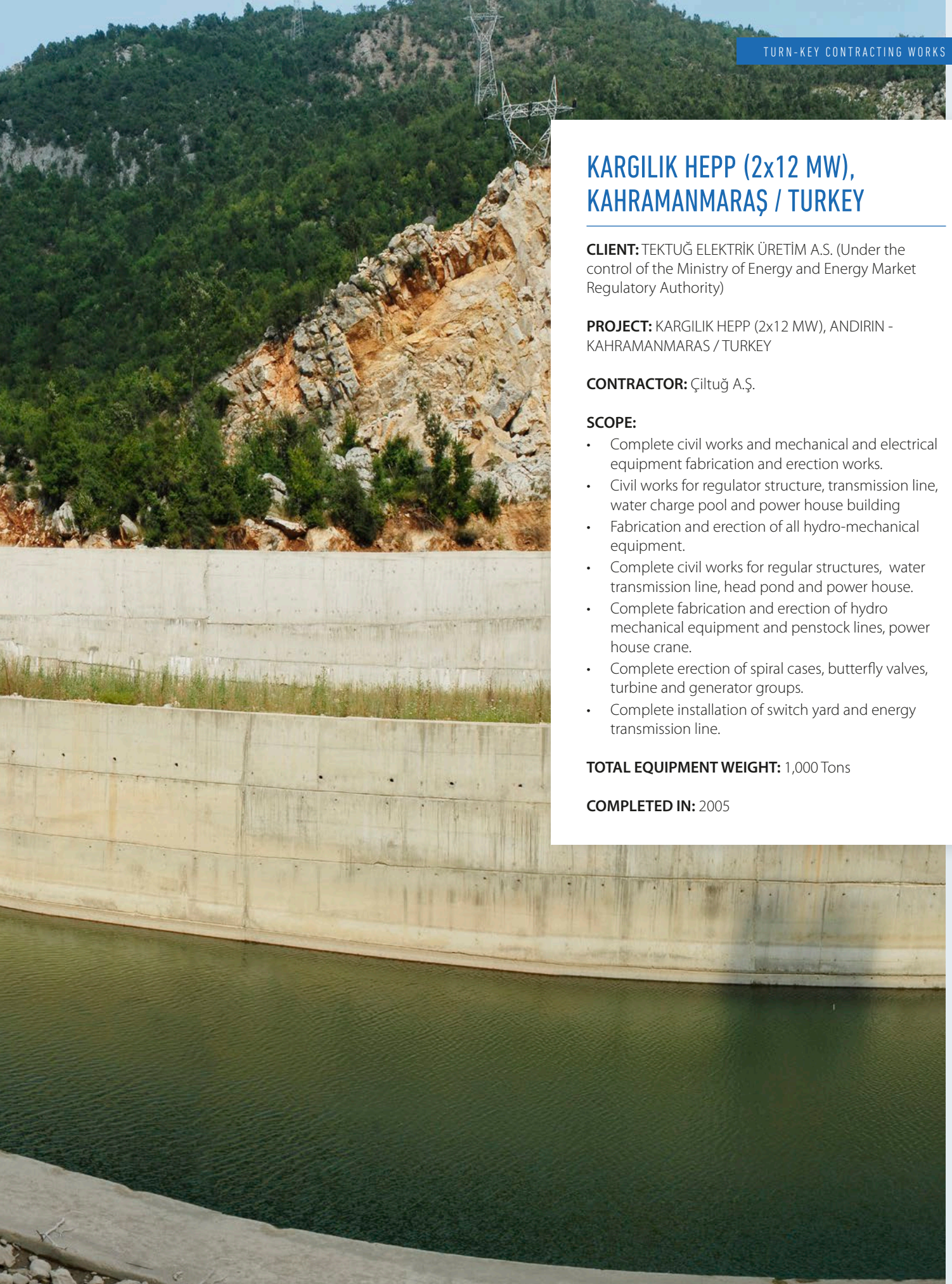
CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works and mechanical and electrical equipment fabrication and erection works.
- Civil works for regulator structure, transmission line, water charge pool and power house building
- Fabrication and erection of all hydro-mechanical equipment.
- Complete civil works for regular structures, water transmission line, head pond and power house.
- Complete fabrication and erection of hydro mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL EQUIPMENT WEIGHT: 1,000 Tons

COMPLETED IN: 2005



KARGILIK HEPP (2x12 MW), KAHRAMANMARAŞ / TURKEY

Regulator Structure: Radial Gates / R= 7.5 m W= 6.3 L= 9



Head Pond



Head Pond



Penstocks Line



Penstocks Line

Power House, Switch Yard,
and Penstock Line



Regulator Lake Area



Power House, Switch Yard



Power House, Generator Group



Power House, Generator Group



Regulator Structure, Downstream View

KALEALTİ HEPP (15 MW), KADIRLI-OSMANIYE / TURKEY

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş. (Under the control of the Ministry of Energy and Energy Market Regulatory Authority)

PROJECT: KALEALTİ HEPP (15 MW), KADIRLI-OSMANIYE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works and mechanical and electrical equipment fabrication and erection works.
- Complete civil works for regulator structure, water transmission canal and tunnel (960 m), head pond and power house.
- Complete fabrication and erection of hydro-mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

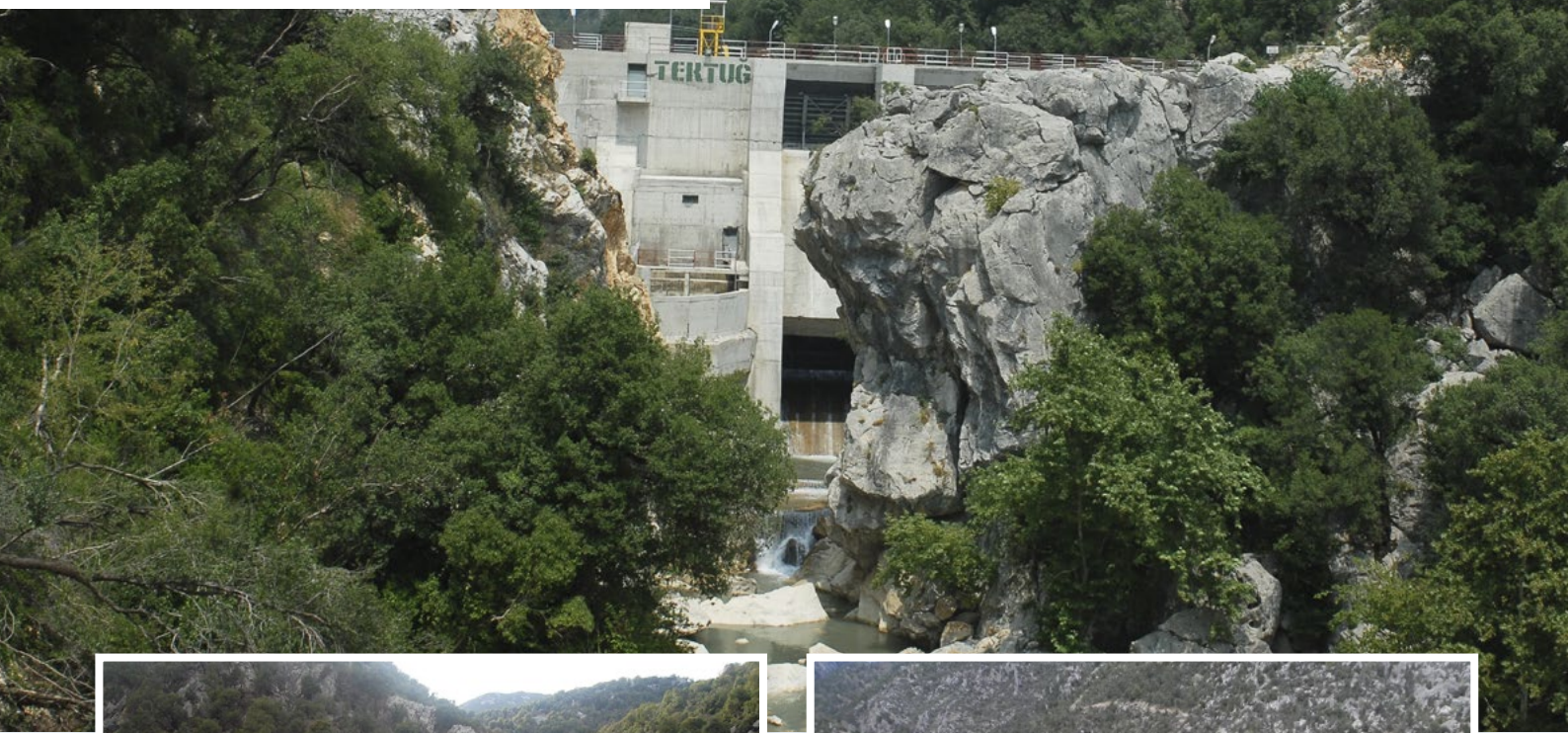
TOTAL EQUIPMENT WEIGHT: 640 Tons

COMPLETED IN: 2006



KALEALTI HEPP (15 MW), KADIRLI-OSMANIYE / TURKEY

Regulator Structure Downstream View



Regulator Structure Upstream View



Regulator Lake Area



Head Pond



Penstock Line



Bifurcation Pipe (Under Pressure Test)



Power House, Switch Yard



Inlet Structure for Transition line



Regulator Structure Upstream View

KEBAN DERESİ HEPP (5,5 MW), KEBAN, ELAZIĞ / TURKEY

CLIENT: TEKÜŞ ELEKTRİK ÜRETİM A.Ş. (Under the control of the Ministry of Energy and Energy Market Regulatory Authority)

PROJECT: KEBAN DERESİ HEPP (5,5 MW),
KEBAN, ELAZIĞ / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works and mechanical and electrical equipment fabrication and erection works.
- Complete civil works for regulator structures, water transmission tunnels (1.800 m), head pond and power house.
- Complete fabrication and erection of hydro-mechanical equipment and penstock lines, power housecrane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL WEIGHT: 200 Tons

COMPLETED IN: 2007



Power House and Penstocks Line



Keban Deresi HEPP Regulator Lake Area



Turbine-Generator Group

ERKENEK HEPP (2x6 MW), GÖLBAŞI, ADIYAMAN / TURKEY

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş.

PROJECT: ERKENEK HEPP (2x6 MW), GÖLBAŞI,
ADIYAMAN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works, mechanical and electrical equipment fabrication and erection works.
- Civil works for regulator structure, transmission line, water charge pool and power house building.
- Fabrication and erection of all hydro-mechanical equipment.
- Complete civil works for regular structures, water transmission line, head pond and power house.
- Complete fabrication and erection of hydro mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL WEIGHT: 900 Tons

COMPLETED IN: 2009



Power House and Penstocks Line



Regulator Structure and Lake Area



Turbine-Generator Group

SIRIMTAŞ HEPP (26 MW), SİNCİK, ADIYAMAN / TURKEY

CLIENT: TEKTAŞ ELEKTRİK ÜRETİM A.Ş. (Under the control of the Ministry of Energy and Energy Market Regulatory Authority)

PROJECT: SIRIMTAŞ HEPP (26 MW), SİNCİK, ADIYAMAN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works, mechanical and electrical equipment fabrication and erection works.
- Civil works for regulator structure, transmission line, transmission tunnel, water charge pool and power house building.
- Fabrication and erection of all hydro-mechanical equipment.
- Complete civil works for regular structures, water transmission line, head pond and power house.
- Complete fabrication and erection of hydro mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL WEIGHT: 1.192 Tons

COMPLETED IN: 2013



Regulator Structure Downstream View



Power House and Penstocks Line



Head Pond

KALEALTI-II HEPP (12 MW), KADIRLI, OSMANIYE / TURKEY

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş. (Under the control of the Ministry of Energy and Energy Market Regulatory Authority)

PROJECT: KALEALTI-II HEPP (12 MW), KADIRLI, OSMANIYE / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

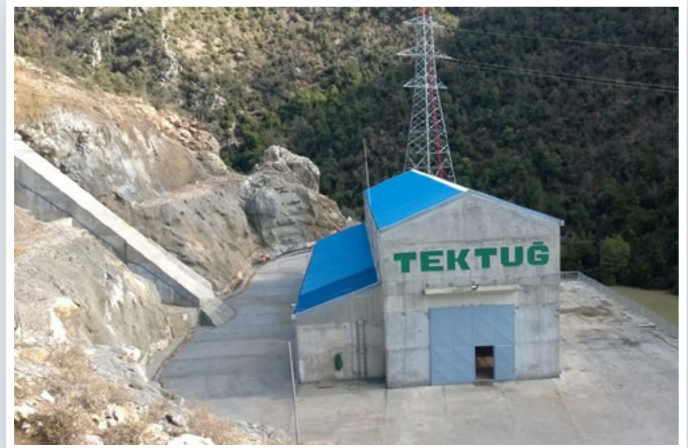
- Complete civil works, mechanical and electrical equipment fabrication and erection works.
- Complete civil works for regulator structure, water transmission canal and tunnel, head pond and power house.
- Complete fabrication and erection of hydro-mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL WEIGHT: 585 Tons

COMPLETED IN: 2014



Power House and Penstocks Line



Power House and Penstocks Line



Turbine-Generator Group

SINCIK WEPP (27.50 MW) ADIYAMAN/TURKEY

CLIENT: NORDEX ENERGY / GERMANY

PROJECT: Sincik WEPP Project.

CONTRACTOR: Çiltuğ A.Ş.

SCOPE: 11 sets Wind Tower fabrications.

TOTAL WEIGHT: 2,000 tons

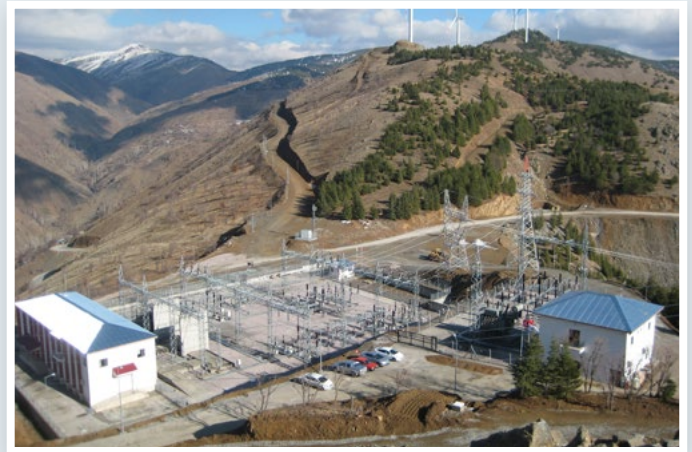
COMPLETED YEAR: 2013



3. ???



1. ???



2. ???



4. ???

CAGLAYAN HEPP PROJECT (10 MW), ADIYAMAN / TURKEY

CLIENT: Tektuğ Elektrik Üretim A.Ş.

PROJECT: Çağlayan HEPP (10 MW) PROJECT,
ADIYAMAN / TURKEY

CONTRACTOR: Çiltuğ A.Ş.

SCOPE:

- Complete civil works and mechanical and electrical equipment fabrication and erection works.
- Civil works for regulator structure, transmission line, water charge pool and power house building
- Fabrication and erection of all hydro-mechanical equipment.
- Complete civil works for regular structures, water transmission line, head pond and power house.
- Complete fabrication and erection of hydro mechanical equipment and penstock lines, power house crane.
- Complete erection of spiral cases, butterfly valves, turbine and generator groups.
- Complete installation of switch yard and energy transmission line.

TOTAL EQUIPMENT WEIGHT: 1,000 Tons

COMPLETED IN: 2017



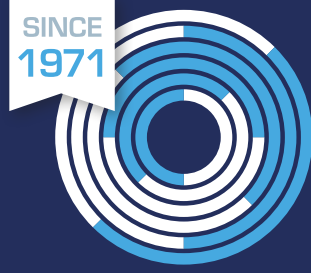
1. ???



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3. ???



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MACHINERY & EQUIPMENT

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CEMENT INDUSTRY WORKS

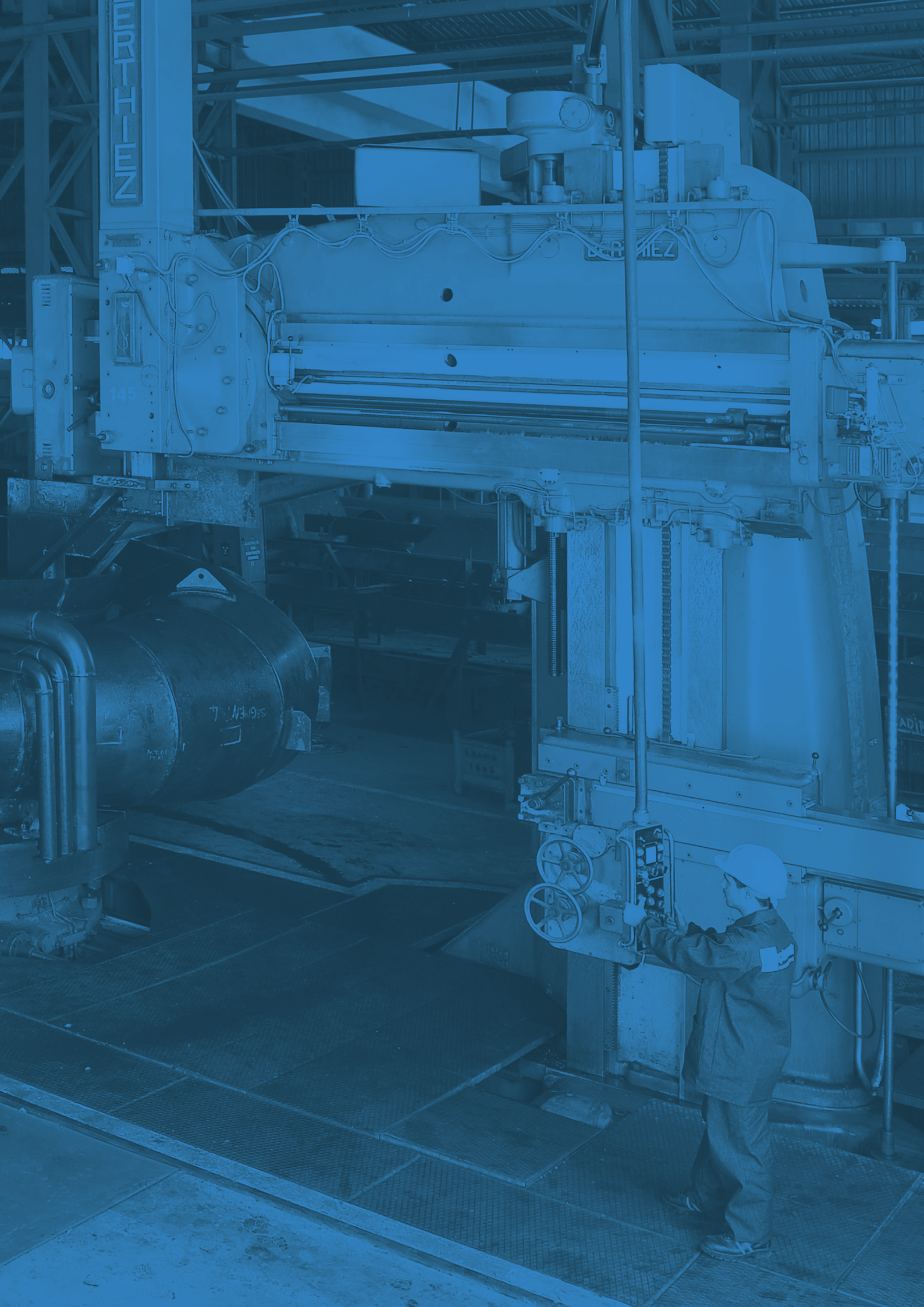
PENSTOCK PIPES & SPOOLS

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OXY-ACETYLENE PLASMA CUTTING MACHINE



Max. Cutting Thickness: **300 mm**
 Table Dimension (W x L): **3,800 x 22,000 mm**

OXY-ACETYLENE PLASMA CUTTING MACHINE



Max. Cutting Thickness: **200 mm**
 Table Dimension (W x L): **3,300 x 13,000 mm**

HYDRAULIC STEEL PLATE BENDING MACHINE



Plate Width: **3,050 mm**
 Plate Thickness: **104 mm**
 Roll Diameter: **810 mm**
 Min Bend Diameter: **1,140 mm**

HYDRAULIC STEEL PLATE BENDING MACHINE



Plate Width: **2,550 mm**
 Plate Thickness: **60 mm**
 Roll Diameter: **600 mm**
 Min Bend Diameter: **1,000 mm**

HYDRAULIC STEEL PLATE BENDING MACHINE



Plate Width: **2,000 mm**
 Plate Thickness: **20 mm**
 Roll Diameter: **300 mm**
 Min Bend Diameter: **500 mm**

HYDRAULIC STEEL PLATE BENDING MACHINE



Plate Width: **6,000-3000 mm**
 Plate Thickness: **20-40 mm**
 Roll Diameter: **450 mm**
 Min Bend Diameter: **600-2000 mm**

SUBMERGED ARC WELDING MACHINE



Type **Auto. Column & Bom**
 Trade **ESAB / SWEDEN**
 Model **CAB460M**
 Dimension **6 x 6 m**
 Speciality **Tandem-Twin Wire**

SUBMERGED ARC WELDING MACHINE



Type **Auto. Column & Bom**
 Trade **ESAB / SWEDEN**
 Model **NHL6060**
 Dimension **6 x 6 m**
 Speciality **Twin Wire**

CNC DOUBLE COLUMN VERTICAL & TURNING MILL



Max. Turning Diameter: **Ø12,500 mm**
 Max. Machining Height: **6,000 mm**
 Max. Loading Capacity of Table: **250,000 kg**

CNC HORIZONTAL BORING MILL



Type: **CNC BOHRWERK**
 Loading Capacity: **DEFUM VHC-160N**
 Machining Capability (x, y, z): **12000mm, 3500mm, 1650mm**

CNC HORIZONTAL BORING MILL & ROTARY TABLE-SKODA-FCW150



Type: **CNC PLATIN BOHRWERK**
 Trade: **SKODA FCW 150**
 Machining Capability (x, y, z, w): **8000 - 3500 - 900 - 800 mm**



Spindle Diameter: **Ø150mm**
 Rotary Table: **2500 mm x 2500 mm—Capacity: 25Ton.**

NC HORIZONTAL BORING MILL



Trade: **Froriep / Germany**
 Spindle Diameter / Travel: **120 mm / 500 mm**
 Longitudinal / Cross Travel of Column: **7,300 mm / 800 mm**
 Headstock Vertical Travel: **4,150 mm**
 Facing Head Diameter / Capacity: **2,600 mm / 3,700 mm**
 Max. Swing: **4,100 mm**
 R.P.M. Spindle: **5-1,000 mm (16x)**

NC VERTICAL BORING MILL



Make: **Berthiez / France**
 4 Jaw Faceplate: **Ø2,800 mm**
 Max. Swing: **Ø8,000 mm**
 Max. Dia. To Be Turned In One Go: **Ø4,700 mm**
 Vertical Travel of Rail: **2,000 mm**
 Max. Height of Workpiece: **2,300 mm**
 Table Load: **60 ton**
 Vertical Travel: **1,650 mm**
 Max. Swivel: **450+300**
 Horizontal Travel: **1,000 mm**

HEAT TREATMENT FURNACE



Furnace Net Dim. (W x L x H): **7,000 x 8,000 x 5,000 mm**
 Loading Capacity: **35,000 kg**
 Max. Temperature: **1,000 °C**
 Heating Rate (Min. - Max.): **20 °C / Hr - 100 °C/Hr**

PLC CONTROLLED PAINTING AND CURING CABINS



Boot Dimensions (W x L x H): **10 x 30.5 x 6.5 m**
 Equipped with:
 Heating Unit, Circulating Unit, Lighting and PLC System

PORTABLE HEAT TREATMENT MACHINE



Max. Temperature: **800 °C**
 Power / Channel: **80 kw / 5 channel x 6 way**
 Power / Channel: **130 kw / 6 channel x 8 way**

AUTO SURFACE CLEANING & BLASTING CABIN



Cabin Dimensions (W x L x H): 8 x 30.5 x 6.5 m
Equipped with;
Automatic External Blasting Equipment with Turbine.
Capacity: 80 m²/hour
Manually Internal Blasting Equipment 4 set
Capacity: 50 m²/hour

GANTRY CRANES



Hoisting Capacity: 2 x 35 ton
Rail Span: 31 m
Travel Distance: 200 m
Hoisting of Height: 12 m

OVERHEAD CRANES



Hoisting Capacity: 2 x 50 ton
Rail Span: 25 m
Travel Distance: 40 m
Hoisting of Height: 12 m

GANTRY CRANES



Hoisting Capacity: 15 ton
Rail Span: 25 m
Travel Distance: 50 m
Hoisting of Height: 6 m

OVERHEAD CRANES



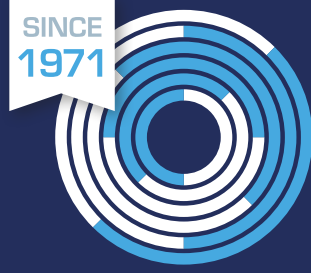
Hoisting Capacity: 2 x 50 ton
Bridge Span: 25 m
Travel Distance: 40 m
Hoisting of Height: 12 m

GANTRY CRANES



Hoisting Capacity: 40 - 32 - 32 - 16 ton
Bridge Span: 25 m
Travel Distance: 145 m
Hoisting of Height: 9 m





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COMPLETED CONTRACTING WORKS

ELECTROMECHANICAL EQUIPMENT

THERMAL POWER PLANT EQUIPMENT

WIND POWER PLANT

GENERATOR AND TURBINE PARTS

HYDROMECHANICAL EQUIPMENT

NUCLEAR POWER PLANT

CEMENT INDUSTRY WORKS

PENSTOCK PIPES & SPOOLS

SINCE
1971



ÇİLTUĞ
ISI SANAYİ ve TİCARET A.Ş.





KARGILIK (2x12 MW) HEPP PROJECT

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş.

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment, Fabrication and Erection Works. (Two numbers of Radial gates in dimension of R=7.5m X 6.3m x 9.0m, one set of fixed wheel gates with 4 parts in dimension of 6.3mx9m, Bottom outlet gate in dimension of 3mx2m, Penstocks in dimension of Ø2.5m L=612m, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, Other all hydromechanical equipments, central building, powerhouse 50+5tons capacity in 10m clearance overhead crane).

Total Weight: 1000 tons.

COMPLETED YEAR: 2005

TOTAL VALUE OF THE EXECUTED WORKS :
24,563,600 YTL (18,306,455.00 USD)

KALEALTİ (15 MW) HEPP PROJECT

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş.

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment.

Fabrication and Erection Works.(two number of bottom outlet radial gate, one number of penstock inlet guard gate in dimension of 1540X1800 mm, one number of water intake trashrack in dimension of 5200X4000mm, two numbers of spillway panel gate, one number of trashrack cleaning machine, one number of draft tube gate in dimension of 2445x3700mm, one number of steel structure for power house, one number of adjusting valve in dimension of 1500x1500mm, one number of stoplog gate in dimension of 6770 x1875mm, one number of power house crane in capacity of 40+5 tons, 780mt penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, Other all hydromechanical equipments, central building).Total Weight: 640 tons.

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS:
23,456,227 YTL (16,687,700.00 USD)

KEBAN (5 MW) HEPP PROJECT

CLIENT: TEKTUĞ ELEKTRİK ÜRETİM A.Ş.

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment Fabrication and Erection Works. (One number of draft tube stoplog gate, loading pool trashrack, one number of water intake trashrack, one number of silt discharge gate, one number of loading pool stoplog gate, one number of steel structure for power house, one number of power house crane in capacity of 30 tons, one number of radial gate,

165mt. Penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, Other all hydromechanical equipments, central building). Total Weight: 200 tons.

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS:
11,754,000 YTL (7,538,000.00 USD)

ERKENEK (12 MW) HEPP PROJECT

CLIENT: TEKTUĞ Elektrik Üretim A.Ş. / Turkey

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment; Fabrication and Erection Works. (Radial gates, fixed gates, bottom outlet gate, penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, other all hydro-mechanical equipments, central building and powerhouse overhead crane). Total Weight: 900 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS :
24,397,919 TL (16,404,170.00 USD)

ANDIRIN HEPP (42 MW)

CLIENT: TEKTUĞ Elektrik Üretim A.Ş. / Turkey

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment Fabrication and Erection Works. (Radial gates, fixed gates, bottom outlet gate, penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, other all hydro-mechanical equipments, central building and powerhouse overhead crane). Total Weight: 2,044 tons.

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS:
58,238,960 TL (41,013,350.00 USD)

SİRİMTAŞ HEPP (27,23 MW)

CLIENT: TEKTUĞ Elektrik Üretim A.Ş. / Turkey

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment Fabrication and Erection Works. (Radial gates, fixed gates, bottom outlet gate, penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, other all hydro-mechanical equipments, central building and powerhouse overhead crane). Total Weight: 1,192 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS:
88,138,586 TL (41,296,250.00 USD)

KALEALTI II HEPP (13,8 MW)

CLIENT: TEKTUĞ Elektrik Üretim A.S. / Turkey

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Complete Civil Works and Mechanical and Electrical Equipment Fabrication and Erection Works. (Radial gates, fixed gates, bottom outlet gate, penstocks, spiral casing, stayring, energy transmission line, switch yard, electromechanical equipment, other all hydro-mechanical equipments, central building and powerhouse overhead crane).
Total Weight: 585 tons.

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS:
34,119,360 TL (16,101,600.00 USD)

ATATÜRK DAM AND HEPP, TURKEY (8 UNITS, 300 MW EACH)

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Noell GmbH / Germany, Sulzer-Escher Wyss Ltd. & Asea Brown Boveri Co. / Switzerland

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication, sandblasting, painting, erection and testing of Penstocks, supports and expansion joints (8Units of Ø=5.5m to Ø=7.25m t=22mm to 44mm and L(total)= 5200m , Surface for sand blasting and painting total area: 250,000m². Total Weight: 26,600 tons.

COMPLETED YEAR: 1994

TOTAL VALUE OF THE EXECUTED WORKS: 11,347,000 USD.

KARAKAYA DAM AND HEPP, TURKEY (6 UNITS, 300 MW EACH)

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Italstrade – Recchi Spa / Italy

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication, sandblasting, painting and erection of all permanent hydro mechanical equipment such as penstocks (6 units of Ø=6.00m and L=80m each), radial gates (10 sets of 14.0m.x10.0m.) service/emergency gates (6 Units of each 2pcsx 5.0m.x12.0m) stoplog gates, trashracks, tunnel steel liners and bridge cranes.(90tons capacity with 9m clearance.)
Total Weight: 15,500 tons.

COMPLETED YEAR: 1989

TOTAL VALUE OF THE EXECUTED WORKS: 5,184,441 USD

KARKAMIS DAM AND HEPP, TURKEY (6 UNITS, 19 MW EACH)

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Yüksel İnş. A.Ş. / Turkey

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication and erection of hydro-mechanical equipment, 6 numbers of Power intake gates in dimension of 14.6mx10m , 6 numbers of draft tube stoplog gates in dimension of 14.3m x 10m. and power intake trashracks. Total Weight: 250 tons.

COMPLETED YEAR: 1998

TOTAL VALUE OF THE EXECUTED WORKS: 3,239,070 USD

BATMAN DAM AND HEPP, TURKEY

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Onar - Günsayıl İnş. A.Ş. / Turkey

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication and erection of all hydro-mechanical equipment, Intake gates, trashracks, penstocks, Tri-furcation and bifurcation branch pipes, Gantry cranes, slide and conical valves. (6 numbers of spillway radial gates in dimension of 10.4m x 14.6m, 10 numbers of spillway stoplog gates in dimension of 10.4m x 15.2m, hydraulic driving derivation bottom sliding gate in dimension of 2.35 x2.35m, hydraulic driving bottom derivation conical valve in dimension of Ø2.5m, bottom sliding gate in dimension of 1.8m x 1.8m, mechanical motor operated bottom conical valve in dimension of Ø2m, 2 numbers of irrigation tunnel radial gates of in dimension of 1.8mx2.9m , 2 numbers of irrigation tunnel sliding gate with hydraulic operated in dimension of 1.8m x 2m, six numbers of draft tube gates in dimension of 4.9m x 6.4m , gantry cranes with 50t, 25t and 15tons lifting capacities. Three units penstocks in dimension of Ø5m and L=95m. Trifurcation branch pipe in dimension of Ø9.5m/3 xØ5m. Bifurcation branch pipe in dimension of Ø5m/Ø4.5m/Ø2.6m and Ø2.6m/Ø2m/Ø1.5m. Total Weight: 6,355 tons.

COMPLETED YEAR: 2000

TOTAL VALUE OF THE EXECUTED WORKS: 18,000,000 USD

KRALKIZI DAM AND HEPP, TURKEY (2 X 45 MW)

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: MNG Co. / Turkey

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication and erection of all hydro-mechanical equipment.Four numbers of Spillway Radial gates in dimension of 8.2mx10.5m. Two numbers of intake service gates in dimension of 4pcs x 6m x9m. Two numbers of bottom inlet gates in dimension of 3.3m x 2.5m and Bottom outlet gates and trashracks in dimension of 6.4m x 9.6m. Total weight: 903 tons.

COMPLETED YEAR: 1999

TOTAL VALUE OF THE EXECUTED WORKS: 445,810 USD

SANLIURFA PLAIN IRRIGATION PROJECT, TURKEY

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Tekser İns. A.S. / Turkey

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication and erection of upstream controlled gates. Two numbers of emergency gates in dimension of 3.5mx4.27m. Two numbers of stoplog gates in dimension of 3.5m x 4.3m. Four numbers of hydraulic operated radial gates in dimension of 6.8m x 6.5m. Gantry crane 20 ton capacity with 7,6m clearance, Trashracks, by-pass and tunnel steel liners. Total weight: 1,790 ton.

COMPLETED YEAR: 1995

TOTAL VALUE OF THE EXECUTED WORKS: 775,000 USD

JIROFT DAM AND HEPP, IRAN (2 UNITS, 50 MW EACH)

CLIENT: Iran Ministry Of Energy

CONTRACTOR: NOELL GmbH Würzburg / Germany

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Sandblasting, painting, erection and commissioning of all permanent hydro-mechanical equipment. Two numbers of spillway Radial gates with motor-chain operated in dimension of 12m x 8m. Two numbers of hydraulic operated radial gate in dimension of 7.8m x 6.2m. Fixed wheel gates in dimension of 7.2m x 11m. Two numbers of hydraulic operated sliding gates in dimension of 1.2m x 1.2m. Two numbers of bottom outlet Radial gates with hydraulic operated in dimension of 1.2m x 1.2m. Four numbers of draft tube gates in dimension of 2.4m x 1.8m. one number of hydraulic operated butterfly valve in dimension of Ø2600mm. Trashracks in dimension of 5m x 15m. Stoplog gates in dimension of 4.8m x 5.2m. Irrigation service gates with hydraulic operated in dimension of 4.8m x 5.2m. Penstocks in dimension of Ø2600, L=290m. Bifurcation branch pipe in dimension of Ø2600/2xØ1100) and all electrical control systems of hydro-mechanical equipments. Total weight: 2,200 tons.

COMPLETED YEAR: 1992

TOTAL VALUE OF THE EXECUTED WORKS: 1,925,000 US \$

SIR DAM AND HEPP, TURKEY (3 UNITS, 94,6 MW EACH)

CLIENT: Çukurova Electricity Inc. (ÇEAS) - General Management

SUPPLIER: Toshiba Co. / Japan

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Erection of spiral cases, draft tubes, turbines, generators and accessories. 96 MW Frances Turbine, 105 MWA Generator, Ø7.4m spiral casing, Ø5.3 m inlet pipe, Ø3.55 m

draft tube, Ø3.14m length 20.6m draft tube outlet pipe, draft tube gates in dimension of 10.4x12m central power crane with 240 ton capacity and governor systems.

COMPLETED YEAR: 1991

TOTAL VALUE OF THE EXECUTED WORKS: 2,806,000 USD.

PEHUR HIGH LEVEL CANAL PROJECT PAKISTAN

CLIENT: Water and Power Development Authority (WAPDA), Pakistan

CONTRACTOR: Sezai Türkes Fevzi Akkaya Construction Co. (STFA)

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication erection and commissioning Self-regulating Gates (13 no of Canal Cross Regulator with 26 Self Regulating Gates AVIS Types 160/300 to 200/375, Avis types 200/630 to 250/1000 including stoplog gates and Isolating Gates on the canal, and erection of SIPHON and Tunnel Pipes Ø3.1 m to 3.35 m L=5 660m. Total weight: 4,000 tons

COMPLETED YEAR: 2003

TOTAL VALUE OF THE EXECUTED WORKS: 2,719,000. USD

NASSIREYAH PUMPING STATION AND INVERTED SIPHON PROJECTS

CLIENT: Iraq Ministry of Irrigation. Baghdad-IRAQ

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and delivery of Stoplog, emergency and siphon gates, lifting mechanisms and cranes with embedded parts. Total Weight: 350 tons.

COMPLETED YEAR: 2002

TOTAL VALUE OF THE EXECUTED WORKS: 984,500 USD.

NASIRIYAH DRAINAGE PUMP STATION PROJECTS

CLIENT: Washington Int. / Black & Veatch Public Works Joint Venture.

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and exworks delivery for; 2 set of inlet guard gate upper panel (1600x6400x725mm.); 2 set of inlet guard gate lower panel (2400x6400x725mm.); 2 set of outlet guard gate panel (4765x5000x498mm.). Total Weight: 37 tons.

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 172,950 USD

ULUBERG PROJECT, NORWAY

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of inlet pipe and bifurcation (Ø1500/2xØ700). Total Weight: 7 tons.

COMPLETED YEAR: 2005

TOTAL VALUE OF THE EXECUTED WORKS: 28,000 EUR

MATKA PROJECT, MACEDONIA

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of 2 units of draft tube and cones. (Ø1962/2399). Total Weight: 12 ton

COMPLETED YEAR: 2005

TOTAL VALUE OF THE EXECUTED WORKS: 45,337 EUR

LAKE HODGES PROJECT, SAN DIEGO, USA

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of 2 units of penstocks for pump storage turbine (Ø1200 t=14- 32mm, L=32 mt.) Total Weight: 50 tons.

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS: 285,000.-EUR

SOENNA HOY PROJECT, SAUDA / NORWAY

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of 2 units of inlet pipe and cone for turbine (DN2300/1300 t=42mm). Total Weight: 41 ton

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS: 175,360.-EUR

SOENNA LAV PROJECT, SAUDA / NORWAY

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of 1 unit of inlet pipe. (DN2500 /1700mm t=21mm). Total Weight: 12 ton

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS: 55,500.-EURO €

KALIMANCI PROJECT, CZECH REPUBLIC

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of turbine parts unit 1&2 Draft tube cylinder(Ø1272) and Inner Upper Cover (Ø1060)

COMPLETED YEAR: 2005

TOTAL VALUE OF THE EXECUTED WORKS: 8,531.-EUR

NAM THEUN 2 PROJECT, CAMBODIA

CLIENT: GE ENERGY-NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and delivery exworks for; 8 numbers of Francis D.T. Stoplogs including lifting beams, dogging beams and spares. 4 numbers of Pelton D.T. Stoplogs including lifting beams, dogging beams and spares. 1 set drainage and dewatering system. Total Weight: 87 tons.

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 456,440.-EUR

RAQQA, EL-BAB AND TADOFF PROJECTS

CLIENT: SYRIAN GENERAL ORGANIZATION FOR LAND DEVELOPMENT –IRRIGATION BALIKH BASIN

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.-M. GUNES INSAAT

SCOPE: Fabrication of Hydro-Mechanical Equipment. Water Intake Gates (2.2mx2.4m) 3pcs, (1.6mx2.2m) 1pcs (1.5mx1.9m) 1pcs, (1.0mx1.3m) 1pcs; Self Regulating Gate (AVIS 200/375) 1pcs. Total Weight: 70 ton

COMPLETED YEAR: 2005

TOTAL VALUE OF THE EXECUTED WORKS: 170,000 EUR

DOUBLE DECK FLOATING ROOF CRUDE-OIL STORE TANK FOR TUBA TANK FIELD

CLIENT: IRAQ MINISTRY OF OIL, State Company For Oil Projects-BAGHDAD/IRAQ

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Supply of Prefabricated Steel Plates and Fabricated Structures and Electrical, Instrumentation Accessories for 1 no of 66.000m3 Floating Roof Crude-Oil Storage. Total weight: 1800 ton.

COMPLETED YEAR: 2004

TOTAL VALUE OF THE EXECUTED WORKS: 2,544,831.-EUR

PROCESS TANKS, BAD OIL TANK AND FIRE FIGHTING WATER TANKS FOR RATAWI

CLIENT: IRAQ MINISTRY OF OIL. S.O.C, South Oil Company of Iraq- BASRAH Oil Field-BASRAH.

CONTRACTOR: ÇİLTUĞ Heat Industry an Trade Co. (Directly)

SCOPE: Supply of Prefabricated Steel Plates and Fabricated Structures and, Electrical, Instrumentation, Accessories for 2 No's 5000m3 Capacity Process Tanks; 1 No 700m3 Bad-Oil Tank; 2 No's 500m3 Fire Water Tanks. Total weight: 400 tons

COMPLETED YEAR: 2004

TOTAL VALUE OF THE EXECUTED WORKS: 1,048,140-EUR

RASHEDEYAH PROJECT, BAGHDAD, IRAQ

CLIENT: IRAQ MINISTRY OF OIL. S.C.O.P., State Company For Oil Projects- BAGHDAD

CONTRACTOR: ÇİLTUĞ Heat Industry an Trade Co. (Directly)

SCOPE: 1 no 10,000 m3 floating roof storage tank accessories and equipment, rolling ladder, platform, roof drain system, fabrication and fire fighting system, floating roof, seal and fire fighting and cooling pipes supply.

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS: 258,750-EUR

KARGILIK HEPP 2X12MW PROJECT KARGILIK / KAHRAMANMARAŞ, TURKEY

CLIENT: Alstom Power, S.A Barcelona-Spain

CONTRACTOR: ÇİLTUĞ Heat Industry an Trade Co. (Directly)

SCOPE: Fabrication and Supply of 2 units of spiral casing (Øi=1560), 2 units of draft tubes and accessories for Kargilik Projects. 2x12MW, Net Head: 144.15m. Total Weight: 34 Tons

COMPLETED YEAR: 2004

TOTAL VALUE OF THE EXECUTED WORKS: 89,226-EUR

BORÇKA / MURATLI HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication for two numbers of draft tube cones. (Ø5630/Ø4991)

COMPLETED YEAR: 2002

TOTAL VALUE OF THE EXECUTED WORKS: 38,478-USD

AKKOY HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of three numbers of draft tube bend liners and erection accessories and delivery to job site. (Ø1780/5200X1220). Total weight: 18 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 76,850 EUR

FESLEK / AYDIN HEPP, TURKEY

CLIENT: Alstom Power Hydro-Spain

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication for 2 numbers draft tube cone (Ø2266/Ø1660) and inlet tubes. (Ø2130mm).

COMPLETED YEAR: 2003

TOTAL VALUE OF THE EXECUTED WORKS: 44,552 EUR

SUŞEHİRİ PROJECT, TURKEY

CLIENT: Kossler Ges. m.b.H

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication for 6 numbers of draft tube elbows Øi=1009/Ø1500mm. Total Weight: 7,26 Tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 30,000 EURO €.

GÖNEN HEPP, TURKEY (2 UNITS, 5,5 MW EACH)

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Kössler GmbH Co. / Austria

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication of 2 nos of draft tubes.(Øi=1478mm.)

COMPLETED YEAR: 1989

TOTAL VALUE OF THE EXECUTED WORKS: 13,560 US \$.

SİLOPI 1-B PROJECT, TURKEY

CLIENT: Karkey Karadeniz Elk. Üretim A.S. .istanbul

CONTRACTOR: Çiltu. Isı Sanayi ve Ticaret A.S

SCOPE: Flue gas desulfurization system manufacture and assembly jobs. Total Weight: 50 tons

COMPLETED YEAR: 2006

TOTAL VALUE OF THE EXECUTED WORKS: 273,320 USD

SANLIURFA HEPP, TURKEY

CLIENT: General Directorate of State Hydraulic Works (DS.) of Turkey

CONTRACTOR: Balaban .ns. / Turkey

SUB-CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co.

SCOPE: Fabrication and erection of power tunnel steel liners (Ø4.00m with t:14mm and Total Length=800m, hydraulically driven radial gates (3 pcs of 6.8mx6.5m gates), all hydro-mechanical equipment and gates of intake structure and their hoisting mechanisms, gantry crane (25 tons), sliding valve and discharge gate for by-pass line. Construction of water irrigation canal reg.

COMPLETED YEAR: 1994

TOTAL VALUE OF THE EXECUTED WORKS: 176,940 USD

HAMZALI HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation-Spain

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of two numbers of draft tube bend liners and erection accessories and delivery to Hamzalı job site. (Ø2108/ 6410X1249). Total weight: 19 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 70,800 EUR

AKKOY HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation-Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of three numbers of inlet pipes and delivery to Akkoy job site. (Ø2410/ 2241X3985). Total weight: 21 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 60,000 EUR

AKKOY HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation-Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of three numbers spiral case and staying and erection accessories and delivery to Akkoy job site. Total weight: 49 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 252,000 EUR

AKOCAK HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Generation-Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of two number of turbine housing and delivery to Akocak job site. Total Weight: 25 tons.

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 52,800 EUR

CALKISLA PROJECT, TURKEY

CLIENT: Kossler Ges. m.b.H

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication for 2 numbers of draft tube elbows Øi=1500/Øo2145mm. and Øi:990/Øo:1386mm. Total weight: 4 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 18,900 EUR

ERKENEK PROJECT, TURKEY

CLIENT: Kossler Ges. m.b.H

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication for 2 numbers of draft tube elbows Øi=1140/Øo1420mm. Total weight: 3 tons

COMPLETED YEAR: 2007

TOTAL VALUE OF THE EXECUTED WORKS: 14,500 EUR

KALEN I-II HEPP, TURKEY

CLIENT: Kalen Enerji

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Ø1800&Ø1900mm – Ø1300&Ø800mm Penstock, Ø1800&Ø1900mmØ1300& 800mm elbow, Branch, Hydro-mechanical equipment fabrication and erection. Total weight: 479 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 650,000 USD

SISIMIUD PROJECT

CLIENT: Köessler G.m.b.h

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Unit Spiral Case & Manhole Cover fabrication. Total Weight: 13.5 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 140,000 EUR

KEKLİCEK HEPP

CLIENT: H.G.M. Enerji İnşaat Nak. Gıda Gübre Yem San. ve Ltd. Sti.

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Penstocks and Hydromechanical Equipment fabrication and erection. Total Weight: 283.723 tons.

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 1,268,393.78 TRY (594,600.00 EUR)

UZUNDERE HEPP, TURKEY

CLIENT: Alstom Hydro Espana

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Downstream and Upstream Sleeves fabrication. Total weight: 2.9 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 42,480.00 EUR

UZUNDERE HEPP

CLIENT: Alstom Hydro Espana

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Turbine Housing fabrication. Total weight: 16.3tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 110,920.00 EUR

REŞADIYE 1-2-3 HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Energy / Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 6 Units Draft Tube and accessories fabrication. Total weight: 64 tons.

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 309,440.00 EUR

UZUNÇAYIR HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Energy / Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Set Pit Liner fabrication. Total weight: 11.10 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 35,800.00 EUR

UZUNÇAYIR HEPP, TURKEY

CLIENT: Voith Siemens Hydro Power Energy / Austria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 Set Cover for Pressure Test fabrication. Total weight: 5.99 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 31,000.00 EUR.

TARTOUS PROJECT, SYRIA

CLIENT: Tartous Cement & Building Material Co. / Syria

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 4 Types of Steel Cylindrical Links fabrication. Total weight: 227 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 592,000.00 EUR

CEYHAN (OSKAN & BERKMAN) HEPP

CLIENT: ALSTOM POWER HYDRO / AUSTRIA

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 6 Units Draft Tube and 6 Units Pit Liner fabrication. Total weight: 341.58 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 1,321,401.00 EURO

CEYHAN (OSKAN & BERKMAN) HEPP

CLIENT: ALSTOM POWER HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Set Counterweights fabrication. Total weight: 36.178 tons

COMPLETED YEAR: 2008

TOTAL VALUE OF THE EXECUTED WORKS: 66,966.00 EUR

NASIRIYAH & DEWANIYAH PROJECTS

CLIENT: IRAQ MINISTRY OF OIL. S.C.O.P., State Company For Oil Projects- BAGHDAD

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 6 Numbers Relief Drums Tank fabrication. Total weight: 210 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 1,420,000.00 USD

PRESSURED CEMENT SILOS

CLIENT: Türkiye Petrolleri Anonim Ortaklığı / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 5 Units 9.55m3 Pressured Cement Silos fabrication.
Total weight: 30tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS:
230,000.00 TL (107,340.00 EUR)

HACININOĞLU HEPP

CLIENT: ANDRITZ HYDRO LTD. ST./ TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Units Draft Tubes, Spiral Case&Stay Ring, Pit Liner
fabrication. Total weight: 126,61 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 597,000.00
EURO

ISRAEL PROJECT

CLIENT: GE ENERGY / HUNGARY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 numbers of Rollers fabrication. Total weight: 4.064
tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 32,360.00 EURO

DARICA HEPP

CLIENT: VOITH SIEMENS HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Electro-Mechanical Equipment Erection. Total weight:
680 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 820,000.00 EUR

KUSLUK II HEPP, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Manifold, 2 sets Turbine Housing, Inlet Flange &
Tools fabrication. Total weight: 23.51 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 109,920.00 EUR

YEDİGÖL – AKSU HEPP, TURKEY

CLIENT: VOITH SIEMENS Hydro Power / SPAIN

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 4 sets Distribution Pipe, 4 sets Turbine Housing&Oil
Pipes fabrication. Total weight: 62.70 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 374,150.00 EUR

ANDIRIN PROJECT, TURKEY

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 Unit Turbine Housing fabrication. Total weight: 7.65
tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 31,600.00 EUR

YEDİGÖZE HEPP, TURKEY

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Units Draft Tube, 2 Units Spiral Case&Stay Ring, 2
Units Spiral Case Sleeves and 2 Units Pit Liner fabrication. Total
weight: 433.4 tons

COMPLETED YEAR: 2009

TOTAL VALUE OF THE EXECUTED WORKS: 1,860,000.00
EUR

YEDİGÖZE HEPP, TURKEY

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 Set Pressure Test Tools for Spiral Case fabrication.
Total weight:30 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 122,000.00
EURO

YEDİSU HEPP, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 3 Sets Draft Tube and Intake fabrication. Total weight:
58.7 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 255,000.00 EUR

KANDIL HEPP, TURKEY

CLIENT: ADRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 3 sets Draft Tube, Draft Tube Cone&Mandoor and Pit Liner fabrication. Total weight: 41.49 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 147,970.00 EUR

HACININOĞLU SARIGÜZEL HEPP, TURKEY

CLIENT: ADRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Pressure Test Equipment fabrication. Total weight: 9.94 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 60,000.00 EUR

ANDIRIN HEPP, TURKEY

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 set Upper & Lower Bracket fabrication. Total weight: 1.45 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 39,000.00 EUR

ANDIRIN HEPP, TURKEY

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 Unit Upstream&Downstream Sleeves fabrication. Total weight: 3.50 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 25,700.00 EUR

AYKOTEK İŞ ORTAKLIĞI, TURKEY

PROJECT: MARD.N-CEYLAN PINAR SULAMASI

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Radial Gate, Stoplogs Gates and Hydraulic Lifting Equipments fabrication and erection. Total weight: 1,70 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS:
10,861,299.00 TL (5,537,000.00 EUR)

AKSU HEPP, TURKEY

CLIENT: KALEN ENERJ. ELEKTR.K ÜRET.M A.S. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and erection of Penstock. Total weight: 120.50 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 343,349.00 EUR

AKKOY II HEPP, TURKEY

CLIENT: VOITH HYDRO LTD. ST.. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Units Turbine Housing fabrication. Total weight: 53.30 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 164,000.00 EUR

AKKÖY II HEPP, TURKEY

CLIENT: VOITH HYDRO LTD. ST.. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 Units Distribution Pipe&Template Plate fabrication. Total weight: 68 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 307,000.00 EUR

AL KHALIJ POWER PLANT (4 x 350 MW), LIBYA

CLIENT: GAMA ENDÜSTRİ A.S. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of Stoplogs and Stoplogs Embedded Structures. Total weight: 237 tons

COMPLETED YEAR: 2010

TOTAL VALUE OF THE EXECUTED WORKS: 827,775.00 EUR

AL KHALIJ POWER PLANT (4 x 350 MW), LIBYA

CLIENT: GAMA ENDÜSTR. A.S. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of Manhole Gates and Embedded Structures. Total weight: 14,24 tons

COMPLETED YEAR: 2011

TOTAL VALUE OF THE EXECUTED WORKS: 93,180.00 USD

AL KHALIJ POWER PLANT (4 x 350 MW), LIBYA

CLIENT: GAMA ENDÜSTR. A.S. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication of Intake Header and Test Covers.
Total weight: 149 tons.

COMPLETED YEAR: 2011

TOTAL VALUE OF THE EXECUTED WORKS: 618,921.00 USD

HORIZONTAL SEPARATION OF FREE WATER TANK

CLIENT: TURKİYE PETROLLER. A.O. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 4 Units Horizontal Separation of Free Water Tanks fabrications. Total weight: 63 tons

COMPLETED YEAR: 2011

TOTAL VALUE OF THE EXECUTED WORKS: 206,100.00 USD

PIRİNÇLI HEPP PROJECT, TURKEY

CLIENT: MECAMIDI / FRANCE

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Draft Tube & Cone fabrications. Total weight: 22,29 tons

COMPLETED YEAR: 2011

TOTAL VALUE OF THE EXECUTED WORKS: 65,966.00 EUR

ILISU HEPP PROJECT, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Equipment Manufacturing of Derivation Tunnels fabrications. Total weight: 182 tons.

COMPLETED YEAR: 2011

TOTAL VALUE OF THE EXECUTED WORKS: 354,400.00 EUR

AKKÖY II HEPP PROJECT, TURKEY

CLIENT: KOLİN İNŞAAT / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and erection of penstocks. Total weight: 9,500 tons.

COMPLETED YEAR: 2012

**TOTAL VALUE OF THE EXECUTED WORKS:
13,000,000.00 EUR**

BOYABAT HEPP PROJECT, TURKEY

CLIENT: DOĞUŞ İNŞAAT / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Fabrication and erection of penstocks, radial gates, stoplog gates, service gates, gantry cranes and trashracks.
Total weight: 5,000 tons.

COMPLETED YEAR: 2012

**TOTAL VALUE OF THE EXECUTED WORKS:
9,300,000.00 EUR**

HORIZONTAL SEPARATION OF FREE WATER TANK, TURKEY

CLIENT: TURKİYE PETROLLERİ A.O. / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 10 Units Horizontal Separation of Free Water Tanks fabrications.

Total weight: 133 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 322,000.00 EUR

ÇAMBASI HEPP PROJECTS, TURKEY

CLIENT: VOITH HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 units Distribution Pipe fabrications.
Total weight: 70 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 385,000.00 EUR

ILISU HEPP PROJECT, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 6 sets Draft Tube Cone fabrications.
Total weight: 67 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 233,000.00 EUR

ARPAÇAY I-II HEPP PROJECTS, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 3 sets Spiral Case and Draft Tube fabrications. Total weight: 36 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 180,000.00 EUR

ÇAMBASI HEPP PROJECT, TURKEY

CLIENT: VOITH HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Pit Liner fabrications. Total weight: 38 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 114,000.00 EUR

VIA, HYNNA AND AKRAELVA PROJECTS, NORWAY

CLIENT: RAINPOWER SMALL HYDRO / NORWAY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 set Inlet Pipe and 2 sets Bifurcation Pipe fabrications.
Total weight: 11.70 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 64,545.00 EUR

KARGI HEPP PROJECT, TURKEY

CLIENT: VOITH HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 unit Spiral Case&Stay Ring, Draft Tube, 2 units Upstream Extension Pipe and 1 set Pressure Test Equipment fabrications. Total weight: 129 tons.

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 468,000.00 EUR

TATAR & PEMBELİK PROJECT, TURKEY

CLIENT: ANDRITZ HYDRO LTD. ŞTİ./ TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 4 unit Discharge Ring and Pit Liner fabrications. Total weight: 56 tons.

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 154,000.00 EUR

GU DAURI PROJECT, GEORGIA

CLIENT: ENERGO ARAGVI LTD. / GEORGIA

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Stoplogs Gates, Bifurcation, Trash rakes and penstocks fabrications. Total weight: 40 tons

COMPLETED YEAR: 2012

TOTAL VALUE OF THE EXECUTED WORKS: 151,900.00 EUR

SUKENARI 1-2 HEPP PROJECT, TURKEY

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 unit Spiral Case, Draft Tube, Collector and Housing fabrications. Total weight: 18 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 95,500.00 EUR

BARAN LARGE & SMALL HEPP PROJECTS

CLIENT: VOITH HYDRO SL / SPAIN

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Turbine Parts (Spiral Case, Draft Tube Elbow, Cone & Extension Pipe, Pressure Test Cylinder, Upstream Pipe and Distributer Assembly) fabrications. Total weight: 22.60 tons

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 132,300.00 EUR

AKKENT & AKBAS HEPP PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 5 units Spiral Case and Draft Tube fabrications. Total weight: 35.70 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 191,000.00 EUR

SINCIK WEPP PROJECT

CLIENT: NORDEX ENERGY / GERMANY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 11 sets Wind Tower fabrications.
Total weight: 1,967 tons

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS:
3,826,770.00 EUR

TRANSPORTATION FRAME

CLIENT: AREVA WIND GMBH / GERMANY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 8 sets Transportation Frame fabrications. Total weight: 196 tons

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 750,000.00 EUR

ROLLER PEDASTAL

CLIENT: GE GENERAL ELEKTR.K / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 set Powered & Unpowered Pedestal Roller Base fabrications. Total weight: 5 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 38,200.00 EUR

ORDU HEPP PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 4 sets Spiral Case, Draft Tube and Workshop Tools fabrications. Total weight: 67.20 tons

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 370,000.00 EUR

PARAVANI HEPP PROJECT

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Draft Tube Elbow & Cone, Pressure Test Tools and Upper & Lower Pit Liner fabrications. Total weight: 15 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 66,000.00 EUR

BEYHAN-1 HEPP PROJECT

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 1 set Spiral Case&Stay Ring and Draft Tube Cone fabrications. Total weight: 40 tons

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 207,700.00 EUR

ALPARSLAN II PROJECT

CLIENT: ALSTOM POWER / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 sets Draft Tube Elbow, Anchoring and Draft Tube Cone fabrications. Total weight: 25 tons.

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS: 90,000.00 EUR

ILISU HEPP PROJECT

CLIENT: NUROL CENGİZ JOINT VENTURE/ TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 units Stoplogs Gates and 1 unit Lifting Beam fabrications. Total weight: 127.60 tons

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS: 305,450.00 EUR

ILISU HEPP PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 units Spillway Stoplogs Gates, Embedded Parts, Lifting Beam and Hydro-mechanical Equipment fabrications. Total weight: 2,295 tons

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS: 5,373,000.00 EUR

ORDU HEPP PROJECT

CLIENT: MELET ENERJİ EÜAS / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: Hydro-mechanical Equipment fabrications. Total weight: 2,435 tons.

COMPLETED YEAR: 2013

TOTAL VALUE OF THE EXECUTED WORKS: 6,490,500.00 EUR

ÇETİN MAIN PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 3 units Draft Tube&Cone, Discharge Ring, Pit Liner and 2 ümits Pressure Test Equipment fabrications. Total weight: 80.60 tons

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS: 344,250.00 EUR

AYVALI HEPP PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 2 units Draft Tube&Cone, Spiral Case, Pit Liner and 1 unit Pressure, Test Equipment fabrications.

Total weight: 124.40 tons

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS: 594,100.00 EUR

BEYHAN 1 HEPP PROJECT

CLIENT: ANDRITZ HYDRO / TURKEY

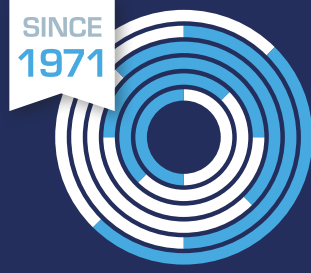
CONTRACTOR: ÇİLTUĞ Heat Industry and Trade Co. (Directly)

SCOPE: 3 units Bottom Ring&Head Cover fabrications.

Total weight: 330 tons

COMPLETED YEAR: 2014

TOTAL VALUE OF THE EXECUTED WORKS:
1,038,400.00 EUR



ÇİLTUĞ

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