



SINCE  
1971



**ÇİLTUĞ**  
ISI SANAYİ ve TİCARET A.Ş.

**Industrial Steel Structures**

**Pressurized Vessels  
& Heat Exchangers**

**Turbine & Generators**

**Wind Turbine Towers**

## ÇİLTUĞ INC. IN NUMBERS

**32.000 M<sup>2</sup>**

OUTDOOR AREA

**15.000 TONS**

WELDED & MACHINED  
COMPONENTS / YR

**50**

ADMINISTRATIVE &  
TECHNICAL STAFF

**17.000 M<sup>2</sup>**

INDOOR AREA

**10.000 TONS**

WIND TOWER AND  
FRAMES WORKS / YR

**250**

BLUE COLLAR  
EMPLOYEES

# Structure

**1971** COLLECTIVE  
COMPANY

**1976** JOINT STOCK  
COMPANY

**1980** GROUP  
COMPANY

## GROUP COMPANIES

**ÇİLTUĞ Inc.Co.**

**TEKTUĞ Inc.Co.**

**ÇAĞLAYAN Inc.Co.**

**SİNCİK Inc.Co.**

**TUĞCAN OTEL Inc.Co.**

## What we do?

- Hydro-Mechanical Equipment & Penstocks
- Electro-Mechanical Equipment, Turbine & Generator Components
- Steam and Gas Turbine Equipment
- Wind Towers and Nacel & Generator Parts
- Furnaces and Gas Ducts for Steel Mills
- Pressurized Vessels, Cryogenic Tanks & Petroleum Process Tanks,
- Kiln components for Cement Industries
- Air tunnels, Propellers, Blades and Fans for Aviation Industry



PENSTOCKS



SPIRAL CASE



STATOR FRAMES



LPG & OXYGEN TANKS



WIND TOWERS

# Total Installed Power Capacity: 177.8 Mw

**24 MW**



KARGILIK HEPP / TURKIYE

**15 MW**



KALEALTI HEPP / TURKIYE

**5.2 MW**



KEBAN HEPP / TURKIYE

**13 MW**



ERKENEK HEPP / TURKIYE

**1x42 MW**



ANDIRIN HEPP / TURKIYE

**27.3 MW**



SIRIMTAS HEPP / TURKIYE

**13.8 MW**



KALEALTI-2 HEPP / TURKIYE

**10 MW**



ÇAĞLAYAN HEPP / TURKIYE

**27.5 MW**



SİNCİK WEPP / TURKIYE

## FUTURE INVESTMENTS



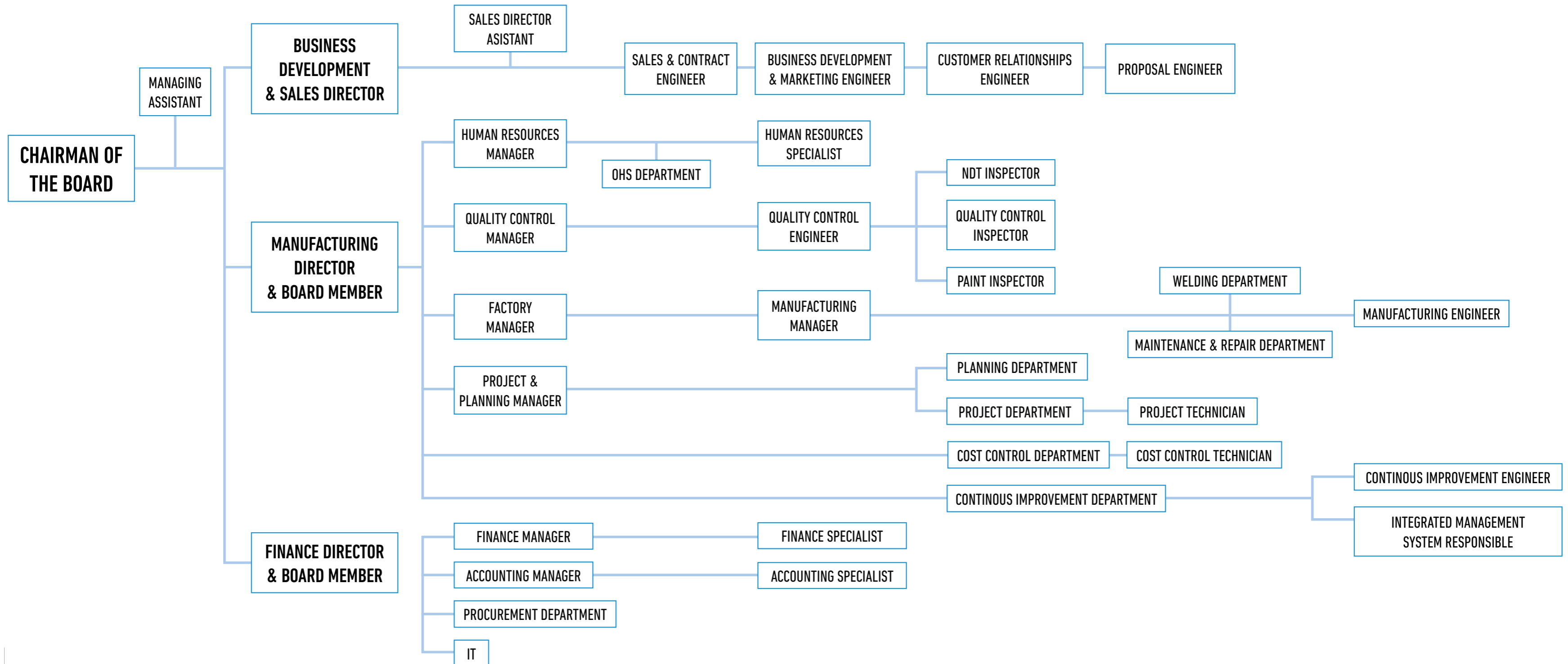
ANDIRIN SOLAR  
 POWER PLANT / TURKIYE  
**30.0 MW**

SİNCİK SOLAR ENERGY  
 POWER PLANT / TURKIYE  
**9.8488 MW**

SİRİMTAŞ SOLAR ENERGY  
 POWER PLANT / TURKIYE  
**5.10 MW**

ÇAĞLAYAN SOLAR ENERGY  
 POWER PLANT / TURKIYE  
**7.50 MW**

# Organization Structure



# Financial Capabilities

INVENTORY	2020	2021	2022
Group Inventory	<b>70 Million Euro</b>	<b>40 Million Euro</b>	<b>46 Million Euro</b>
Ciltug Inventory	<b>39 Million Euro</b>	<b>22 Million Euro</b>	<b>25 Million Euro</b>
TURNOVER			
Group Inventory	<b>34 Million Euro</b>	<b>22 Million Euro</b>	<b>55 Million Euro</b>
Ciltug Inventory	<b>8 Million Euro</b>	<b>8 Million Euro</b>	<b>7.5 Million Euro</b>

# Workshop Location



Distance to Mersin Sea Port  
**305 km**

Distance to Iskenderun Sea Port  
**215 km**

Distance to Highway  
**5 km**

Distance to Railway  
**5 km**



# Human Sources and Capabilities



**1st Workshop / Çiltuğ**



**2nd Workshop / Sude**

**Total  
Employees  
220**

- Engineers **27**
- Technicians **8**
- Workers **180**
- Finance & Account **12**

- **4** International Welding Engineers
- **3** NDT LII & LIII acc. to EN ISO 9712 and SNT-TC 1a
- **45** Welders, certified acc. to EN ISO 9606 and ASME Sec.IX

# 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 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.

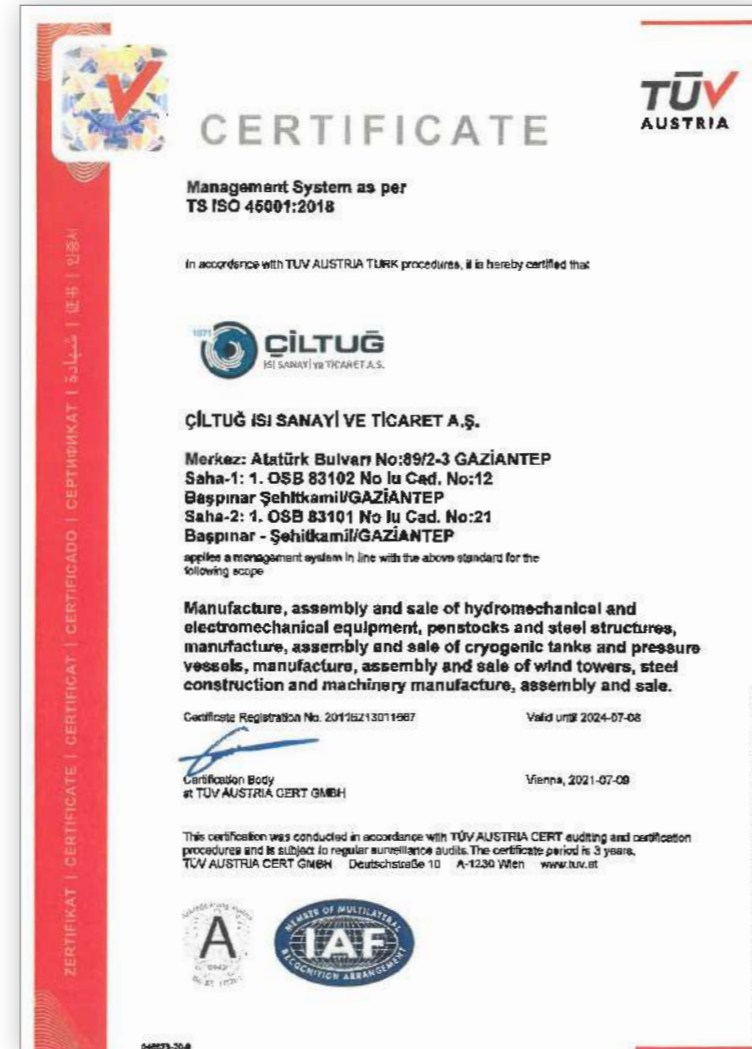
**Flowcharts and SOFs:** Following each product with Flowcharts allows processes to be defined and standardized. SOFs (Standard Operation Form) allow individual operations to be standardized step by step to maintain the right quality and safe work.

**HSE (Health, Safety and Environment):** Full time HSE specialist is employed to maintain world standard for professional HSE care.

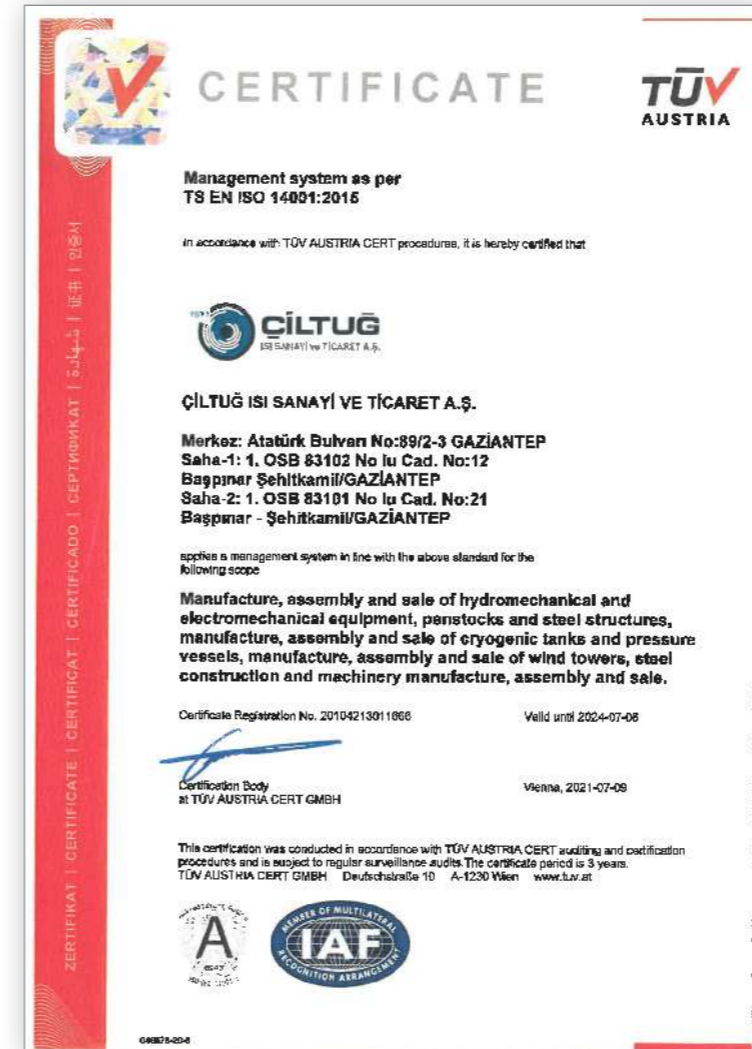
# Management & Process Quality Certification



ISO 9001:2015  
Quality Management  
Systems



OHSAS 45001:2018  
Occupational Health and  
Safety Management System



ISO 14001:2015  
Environmental Management  
System



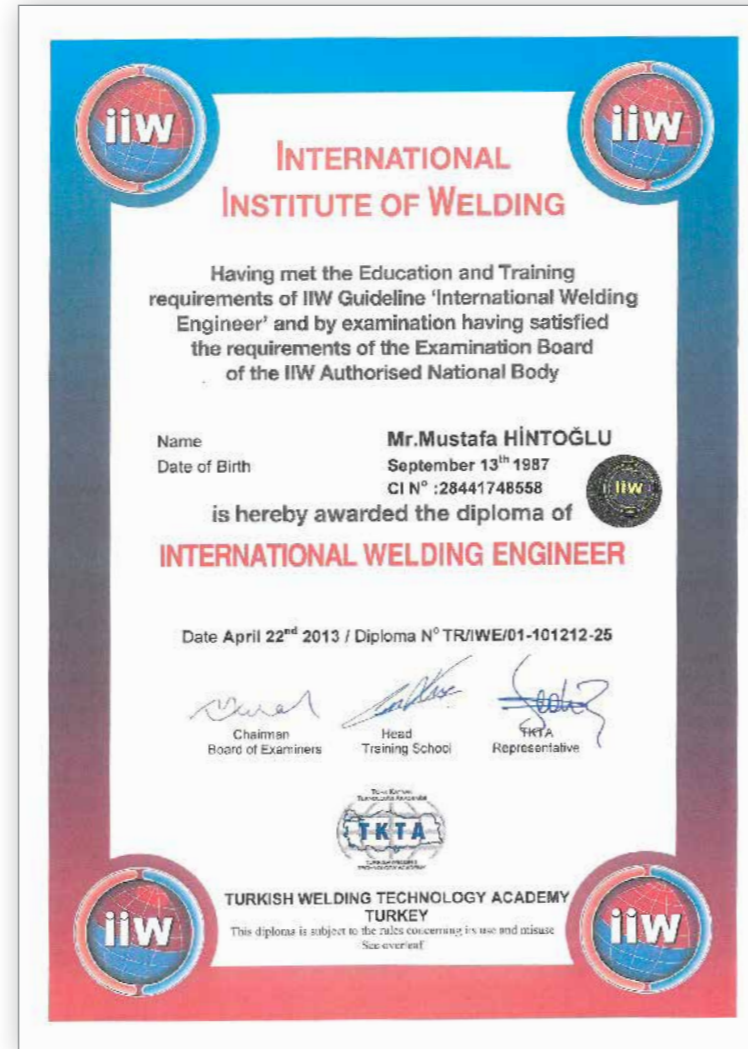
EN ISO 3834-2  
Quality Requirements  
of Fusion Welding  
of Metallic Materials



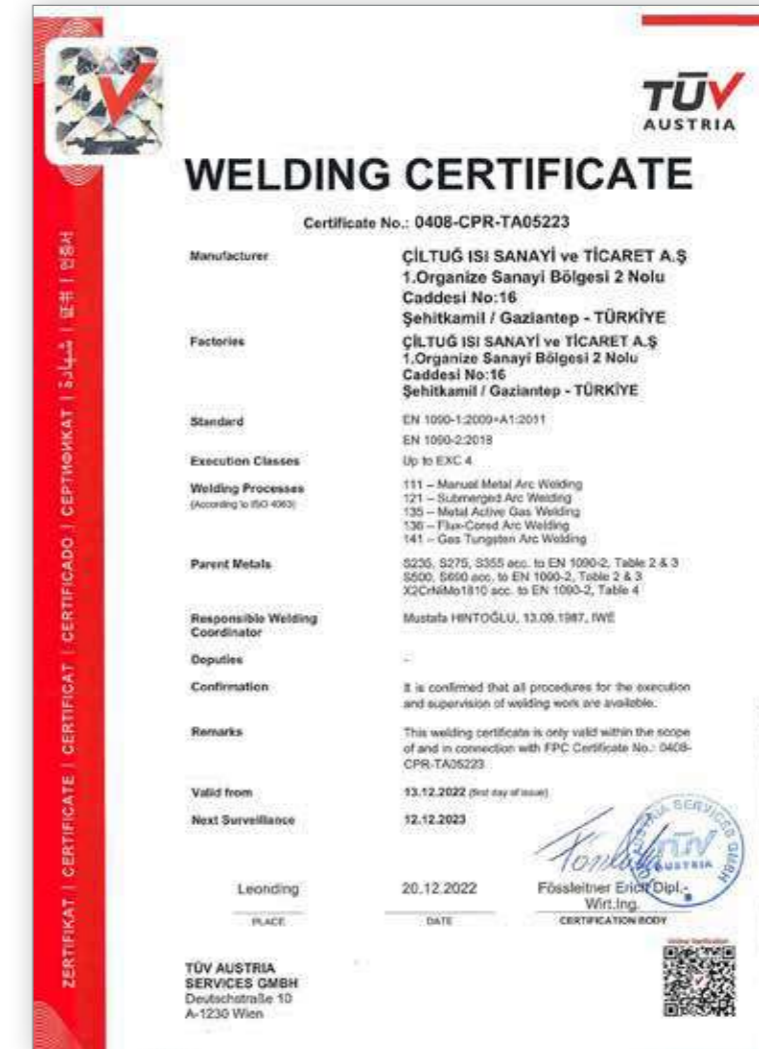
# Management & Process Quality Certification



Welder Engineer Certificate  
Yunus Emre Alacaci



Welder Engineer Certificate  
Mustafa Hintoğlu



EN 1090-1:2009+A1:2011  
Load bearing steel components with corrosion protection and structural design up to EXC 4 acc. EN 1090-2

# Qualified NDT Inspectors (Non-Destructive Test Inspectors)




**Sertifika**  
Tahrîbatsız Muayene Uzmanı  
**ABDULLAH ALPARSLAN**

Doğum Tarihi: 5.04.1981 Doğum Yeri: SEYDİŞEHİR  
Yukarıda kimliği belirtilen kişi, Türk Standartları Enstitüsü Personel Belgelendirme Müdürlüğü tarafından aşağıda yazılı tahrîbatsız muayene yöntemi ve seviyesinde TS EN ISO 9712: Şubat 2013 standardına göre vasıflandırılmıştır.

Tahrîbatsız Muayene Yöntemi ve Seviyesi : **ULTRASONİK MUAYENE 2. SEVİYE (UT2)**  
Endüstriyel ve Mamul Sektörleri (\*) : **1, 2, 3 & c, f, w, t, wp, p**

Sertifika No: **TM-A-UT2-2-0663**  
Sertifika Tarihi : **11.03.2022**  
Geçerlilik Tarihi : **11.03.2027**

Muaffer **OZEN**  
TSE Personel Belgelendirme Müdürü

Belgelendirilen Kişinin İmzası

Talemlere aykırı kullanımlarda sertifika iptal edilebilir.  
Sertifika düzenlenirken seçilen yöntem ve seviyedeki cihazların örnekli bir listesiyle uğraması (TS EN ISO 9712: Şubat 2013, Madde 3.27) ya da ölçme yöntemi belgelendirme bu sertifika kapsamına girmez.

(\*) **TSE Personel Belgelendirme Müdürlüğü'nce Çerçevesinde Belgelendirilen Ürünlerin Endüstriyel ve Mamul Sektörleri**

Endüstriyel Sektörler:	Mamul Sektörleri:
1) İmalat (c, f, w, t, wp ve p birleşik)	c) Dökümler (c) (demir ve demir dışı malzemeler)
2) İmalatın dışı kaynağa hazırlanmış öncesi ve sonradaki mesajlar (c, f, w, t, wp ve p birleşik)	f) Dövme/Forjlar (f) (demir esaslı veya demir esaslı olmayan tüm dövme tipleri/All types of forgings: ferrous and non-ferrous materials)
3) Demiryolu bakımı (c, f, w ve wp birleşik)	w) Kaynaklar (w) (demir ve demir dışı malzemeler için lehimleme de dahil tüm kaynak türleri)
	t) Tüp ve borular (t) (dikişsiz, kaynaklı, demir ve demir dışı malzemeler, kaynaklı boruların imalatı için yassı mamüller dahil)
	wp) Bıçaklı ürünlerin mamüller (wp) dövme/forj (örn. Plaka, levha ve çubuklar)
	p) Kırılgan malzemeler (p)

Türk Standartları Enstitüsü Personel Belgelendirme Müdürlüğü ilgili tahrîbatsız muayene yöntemi ve seviyesinde Türk Akreditasyon Kurumu (TÜRKAK) tarafından TS EN ISO / IEC 17024 standardına göre AB-0001-P akreditasyon numarası ile akredite edilmiştir.  
Türk Standartları Enstitüsü Personel Belgelendirme Müdürlüğü yukarıda kimliği belirtilen kişiyi uygun nitelikte olduğuna **Directive: Pressure Equipment (2014/68/EU) Annex I Article 3.1.3** gereği onaylamaktadır.




**AKADEMİ|NDT**

**EN ISO 9712**  
**TAHRİBATSIZ MUAYENE**  
**GÖRSEL MUAYENE**  
**SEVİYE 2 SERTİFİKASI**  
Qualification Certificate of NDT Personnel  
Visual Testing Level 2

SERTİFİKA NO / Certificate No : **ANDT - VT18083**  
ADI SOYADI / Name Surname : **Adem ALMAS**  
TC KİMLİK NO / Identity No : **11983425148**  
DOĞUM TARİHİ / Birth Date : **14/01/1987**

Belge Veriliş Tarihi / Certification date : **18/12/2018**  
Belge Bitiş Tarihi / Validity : **18/12/2023**

İlgili Sektörler / Related Sectors : **c, f, w, t, wp**  
İmalat Sektörleri / Product Sectors\* : **İmalatı içeren öncesi ve hizmet esnasındaki deney /Pre-and in-service testing which includes manufacturing**

(\*) **İmalat Sektörleri / Product Sectors**  
Döküm/Casting (c) Demir esaslı veya demir esaslı olmayan malzemeler/Ferrous and non-ferrous materials, Dövme/Forgings (f) Demir esaslı veya demir esaslı olmayan tüm dövme tipleri/All types of forgings: ferrous and non-ferrous materials, Kaynaklar/Welds (w) Demir esaslı veya demir esaslı olmayan malzemeler için lehimleme dahil tüm kaynak tipleri/All types of welds, including soldering, for ferrous and non-ferrous materials, Tüpler ve borular/Tubes and pipes (t) Dikişsiz, kaynaklı, kaynaklı boruların imalatı için yassı mamüller de dahil demir esaslı veya demir esaslı olmayan malzemeler/Seamless, welded, ferrous and non-ferrous materials, including flat products for the manufacturing of welded pipes, Bıçaklı ürünlerin mamüller/Wrought products (wp) Dövme/forj (örn. plakalar, çubuklar)/Except forgings (e.g. plates, bar, rods)

Sertifika Sahibinin İmzası  
Signature Certificate Holder

Yunus Emre ÖZTÜRK  
Personel Belgelendirme Müdürü  
Personnel Certification Manager

ANDT\_PR\_PR\_3.01\_F11\_Rev.00/01.02.2017



**AKADEMİ|NDT**

**EN ISO 9712**  
**TAHRİBATSIZ MUAYENE**  
**MANYETİK PARÇACIK MUAYENE**  
**SEVİYE 2 SERTİFİKASI**  
Qualification Certificate of NDT Personnel  
Magnetic Particle Testing Level 2

SERTİFİKA NO / Certificate No : **ANDT - MT18085**  
ADI SOYADI / Name Surname : **Halil KOYUNUCU**  
TC KİMLİK NO / Identity No : **32668546156**  
DOĞUM TARİHİ / Birth Date : **12/06/1973**

Belge Veriliş Tarihi / Certification date : **18/12/2018**  
Belge Bitiş Tarihi / Validity : **18/12/2023**

İlgili Sektörler / Related Sectors : **c, f, w, t, wp**  
İmalat Sektörleri / Product Sectors\* : **İmalatı içeren öncesi ve hizmet esnasındaki deney /Pre-and in-service testing which includes manufacturing**

(\*) **İmalat Sektörleri / Product Sectors**  
Döküm/Casting (c) Demir esaslı veya demir esaslı olmayan malzemeler/Ferrous and non-ferrous materials, Dövme/Forgings (f) Demir esaslı veya demir esaslı olmayan tüm dövme tipleri/All types of forgings: ferrous and non-ferrous materials, Kaynaklar/Welds (w) Demir esaslı veya demir esaslı olmayan malzemeler için lehimleme dahil tüm kaynak tipleri/All types of welds, including soldering, for ferrous and non-ferrous materials, Tüpler ve borular/Tubes and pipes (t) Dikişsiz, kaynaklı, kaynaklı boruların imalatı için yassı mamüller de dahil demir esaslı veya demir esaslı olmayan malzemeler/Seamless, welded, ferrous and non-ferrous materials, including flat products for the manufacturing of welded pipes, Bıçaklı ürünlerin mamüller/Wrought products (wp) Dövme/forj (örn. plakalar, çubuklar)/Except forgings (e.g. plates, bar, rods)

Sertifika Sahibinin İmzası  
Signature Certificate Holder

Yunus Emre ÖZTÜRK  
Personel Belgelendirme Müdürü  
Personnel Certification Manager

ANDT\_PR\_PR\_3.01\_F11\_Rev.00/01.02.2017

NDT Qualification Certificate PT-VT-MT LEVEL-II

# General Directorate of Military Factories



Ministry of National Defense,  
General Directorate of Military Factories  
Approved Certificate



EYDEP Certificate

# Fabrication and Erection

## Penstocks / Pipe Works



**BIGGEST HPP IN TURKIYE (8 x 300 MW)**

Atatürk DAM and HEPP / South East Part of Turkiye

**26,600 Tons / Penstocks Ø5.5 and Ø8 Mt.**

## Trifurcation Pipes



**Batman DAM and HEPP (3 x 63 MW)**

South East Part of Turkiye

**700 Tons / Trifurcation Ø9.5 to Ø5.5 Mt.**

# Fabrication and Erection

## Bifurcation Pipes



**Akköy II HEP (2 x 116 MW)**

North part of Turkiye

**Material: S690QL / Thk: 52-80mm**

## Expansion Joints



**Karakaya DAM and HEPP (6 x 300 MW)**

South of Turkiye

**Diameter: 6 Mt.**



## Fabrication and Erection

### Transition Part (Round to Rectangular)



**Atatürk DAM and HEPP, Türkiye**  
**(8 x 300 MW)**

### Penstock / Pipe Works



**Batman DAM, Türkiye (3 x 63 MW)**  
**Diameter: 9.5 Mt.**

## Fabrication and Erection

### Radial Gates



**Kalealtı II HEPP, Türkiye (13,8 MW)**  
**Contractor: TEKTUĞ A.Ş**

### Stoplog Gates & Lifting Beam



**Libya Al-Khalij Power Plant Project, Libya**  
**Contractors: GAMA-BECHTEL J.V.**

# Fabrication and Erection

## Water Intake Gates



**Raqqa El-Bab & Tadeff Project, Syria**  
**Contractor: KALYON HOLDING**

## Howell Bungel (Conical) Valve



**Aksu HEPP, Turkiye**  
**Contractor: KALYON CONSTRUCTION**

# Fabrication and Erection

## Jet Flow Gates



**Boyabat HEPP, Turkiye (3 x 170 MW)**  
**Contractor: DOGUS HOLDING**

## Sliding Gates



**Boyabat HEPP, Turkiye (3 x 170 MW)**  
**Contractor: DOGUS HOLDING**

# Fabrication and Erection

## Jet Flow Gates



**Artvin HEPP, Turkiye (2 x 166 MW)**  
**Contractor: ALSTOM Hydro**

## Jet Flow Gates



**Artvin HEPP, Turkiye (2 x 166 MW)**  
**Contractor: ALSTOM Hydro**

# Fabrication and Erection

## LPG Tanks



**Nasiriyah & Dewaniyah-Project, Iraq**  
**Contractor: Iraq Ministry of Oil**

## Horizontal Separation Tank



**TPAO Adiyaman & Batman, Turkiye**  
**Contractor: ALSTOM Hydro**

## Fabrication of Electro-Mechanical Equipment (Turbine Auxiliary Parts)

### Inlet Parts for Kaplan Turbine



**Ceyhan Prj. (Osman & Berkman) HEPP, Türkiye (62 MW)**  
**Contractor: ALSTOM Hydro**

### Turbine Inlet Pipes



**Akköy HEPP, Türkiye (2 x 116 MW)**  
**Contractor: VOITH Hydro**

# Fabrication of Electro-Mechanical Equipment (Turbine Auxiliary Parts)

## Draft Tubes



**Hamzalı HEPP, Türkiye**  
**Contractor: VOITH Hydro**

## Turbine Housing



**Andırın HEPP, Türkiye (42 MW)**  
**Contractor: TEKTUG Co.**



## Fabrication of Electro-Mechanical Equipment (Turbine Auxiliary Parts)

### Distributer / Collector Pipes



**Akköy II Project, Türkiye (2 x 116 MW)**  
**Pressure Test 230 Bar / Voith Hydro**

### Draft Tube Elbows



**Yedigöze HEPP, Türkiye (2 x 158.5MW)**  
**Contractor: ALSTOM Hydro**

# Fabrication of Electro-Mechanical Equipment (Turbine Auxiliary Parts)

## Spiral Case & Stay Ring



**Yedigöze HEPP, Türkiye (2 x 158,5 MW)**  
**Total Weight 150 Tons**

## Spiral Case & Stay Ring



**Yedigöze HEPP, Türkiye (2 x 158,5 MW)**  
**Total Weight 150 Tons**

## Erection & Installation of Electro-Mechanical Equipment (Turbine & Generators Parts)



**Darica HEPP, Turkiye (2 x 50 MW)**  
**Contractor: VOITH Hydro**



**Sır DAM and HEPP, Turkiye (283 MW)**  
**Contractor: TOSHIBA Co.**

# Atatürk DAM and HEPP (8x300 MW)

**Client:** General Directorate of State Hydraulic Works (DSİ) of Türkiye

**Location:** Şanlıurfa, Türkiye

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

**Sub-Contractor:** Noell GmbH and Ciltug Joint Venture

**Scope:** Fabrication, blasting, painting, erection and testing of Penstocks, supports and expansion joints.

**Project Weight:** 26,600 tons

**Total Painting Area:** 250,000 m<sup>2</sup>

**Year:** 1994



Project Weight	26,600 tons
Diameter of Pipes	8,000 mm
Material	S355J2 N

# Karakaya DAM and HEPP (6x300 MW)

**Client:** General Directorate of State Hydraulic Works (DSİ)

**Location:** Diyarbakır, Türkiye

**Contractor:** Italstrade-Recchi SPA / ITALY

**Sub-Contractor:** Noell GmbH and Ciltug Joint Venture

**Scope:** Fabrication, sandblasting, painting and erection of all permanent hydro-mechanical equipment.

**Penstocks:** Ø6m L:80mx6 Lines, 5,500 Tons / **Spillway**

**Radial Gates:** 14mx10m, 1,500 Tons / **Water Intake**

**Equipment:** 2,700 Tons / **Bottom outlet tunnel steel lining**

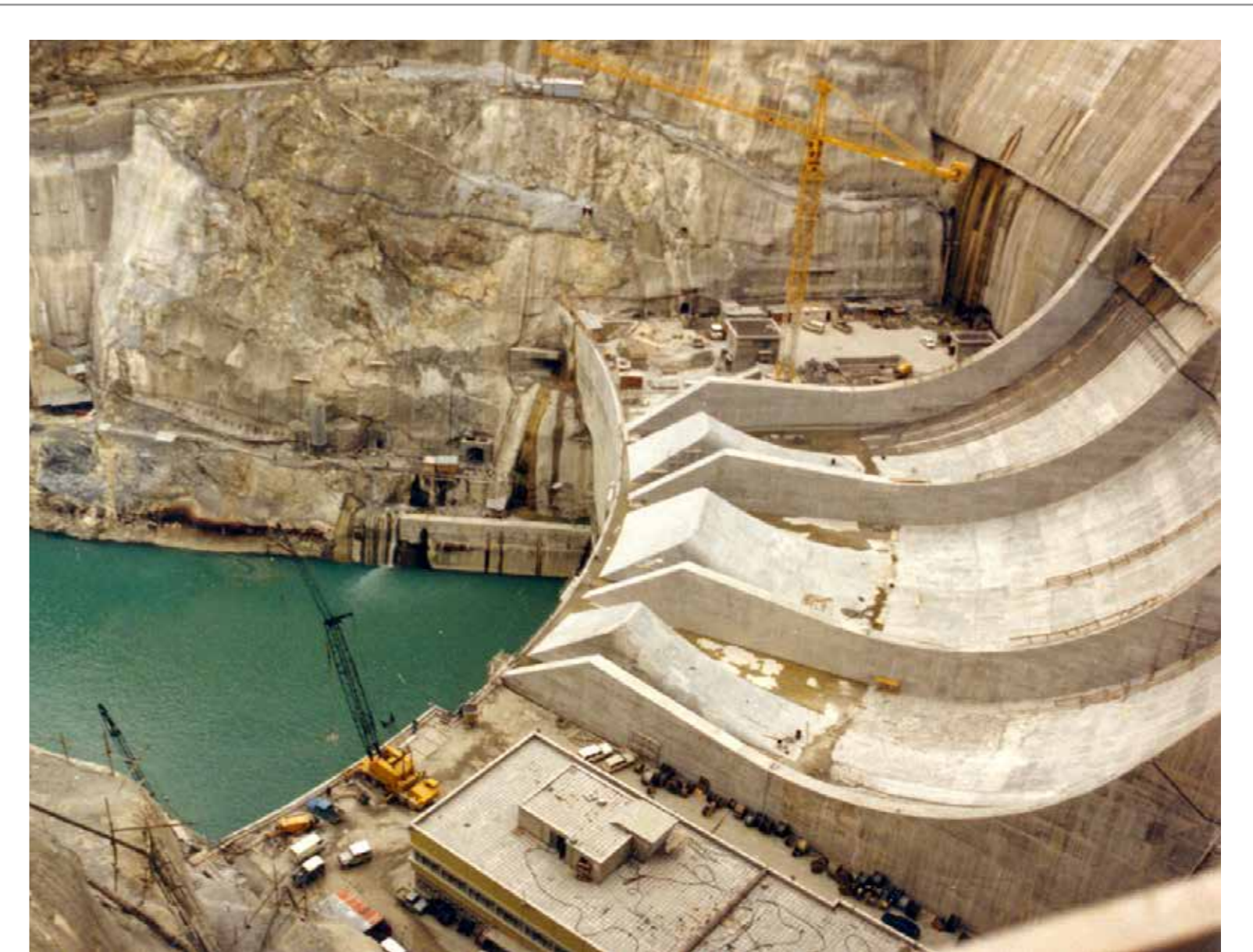
**and gates:** 3,250 Tons / **Draft tube gates:** 650 Tons /

**Power house machine hall cranes and other cranes**

**erections:** 1,900 Tons.

**Project Weight:** 15,500 tons

**Year:** 1989



Project Weight	15,500 tons
Diameter of Pipes	6,000 mm
Material	S355J2 N

# Batman DAM and HEPP (3x63 MW)

**Client:** General Directorate of State Hydraulic Works (DSİ)

**Location:** Diyarbakır, Türkiye

**Contractor:** Onar-Gunsayıl İnşaat /Türkiye

**Sub-Contractor:** Noell GmbH and Ciltug Joint Venture

**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.

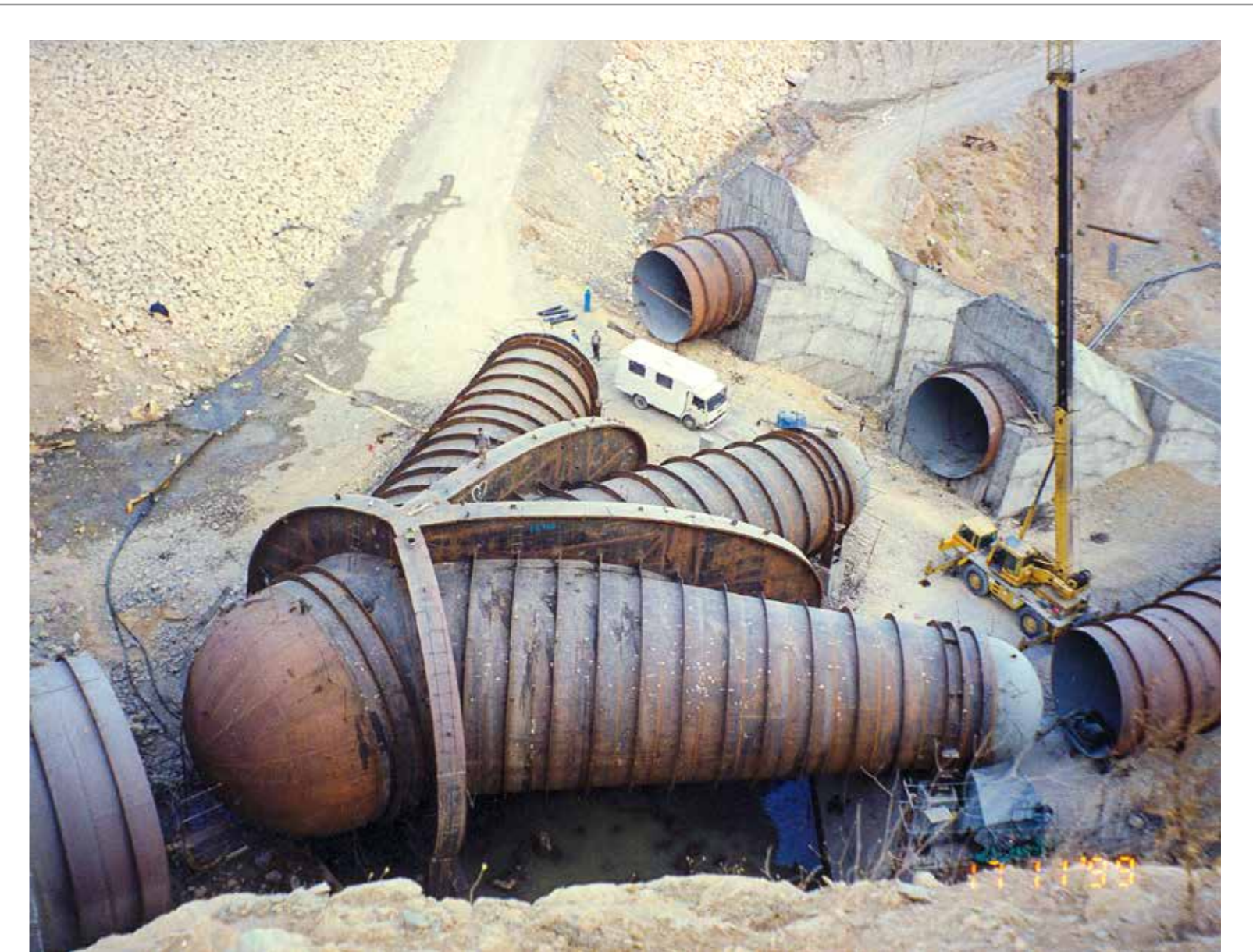
**Steel Lining and Penstocks:** 3,500 tons

**Radial gates:** 6 no's, 1,600 tons

**Trashracks, stoplogs service gates and other equipment:** 1,900 tons.

**Project Weight:** 7,000 tons

**Year:** 2000



Project Weight	7,000 tons
Diameter of Pipes	5,500 & 9,500 mm
Material	S355J2 N

# Jiroft DAM and HEPP (2x50 MW)

**Client:** Iran Ministry of Energy / IRAN

**Location:** Iran

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Sandblasting, painting, erection and commissioning of all permanent hydro-mechanical equipment. 2 set of spillway Radial gates in dim. of 12x8m. 2 set of hydraulic operated radial gate in dim. of 7.8x6.2m. Fixed wheel gates in dim. of 7.2x11m. 2 set of hydraulic operated sliding gates in dim. of 1.2x1.2m. 2 set of bottom outlet. Radial gates with hydraulic operated in dim. of 1.2x1.2m. 4 set of draft tube gates in dim. of 2.4x1.8m. 1 set of hydraulic operated butterfly valve in dim. of Ø2600mm. Trashracks in dim. of 5x15m. Stoplog gates in dim. of 4.8x5.2m. Irrigation service gates with hydraulic operated in dim. of 4.8x5.2m. Penstocks in dim. of Ø2600, L=290m. Bifurcation branch pipe in dim. of Ø2600/2xØ1100) and all electrical control systems of hydro-mechanical equipment.

**Project Weight:** 2,200 tons

**Year:** 1992



# Boyabat DAM and HEPP (3x170 MW)

**Client:** Doğu İnşaat ve Tic. A.Ş.

**Location:** Sinop, Türkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication and erection of Hydromechanical Equipments.

**Project Weight:** 5,000 tons

**Year:** 2011



Project Weight	5,000 tons
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Diameter of Pipes	6,000 & 5,600 mm
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Material	490 FG
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# Artvin HEPP (2x166 MW)

**Client:** Alstom Power ve Ulaşım A.Ş. / Türkiye

**Location:** Artvin, Türkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**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 Gate and Embedded Parts, Bottom Outlet Steel Liner.

**Project Weight:** 1,574 tons

**Year:** 2015



# Akköy II HEPP (2x116 MW)

Third Highest Elevation In The World: Head 1,150 m

**Client:** Kolin İnşaat Turizm Sanayi ve Tic. A.Ş.

**Location:** Giresun, Türkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication and erection of penstocks/pipes

**Project Weight:** 9,500 tons

**Year:** 2011



Project Weight	9,500 tons
Diameter of Pipes	2,700 & 1,800 mm
Material	S690 QL & S550 ML

# Yedigöze HEPP (2x158,5 MW)

**Client:** Alstom Power Hidroelektrik A.Ş.

**Location:** Adana, Türkiye

**Scope:** 2 Units Draft Tube, Spiral Case, Stay Ring, Spiral Case Sleeves and Pit Line fabrication

**Project Weight:** 433,4 tons

**Year:** 2009



# Offshore Sub-Marine Pipeline Project

**Client:** Sigur-Ros Kalyon Joint Venture / TURKIYE

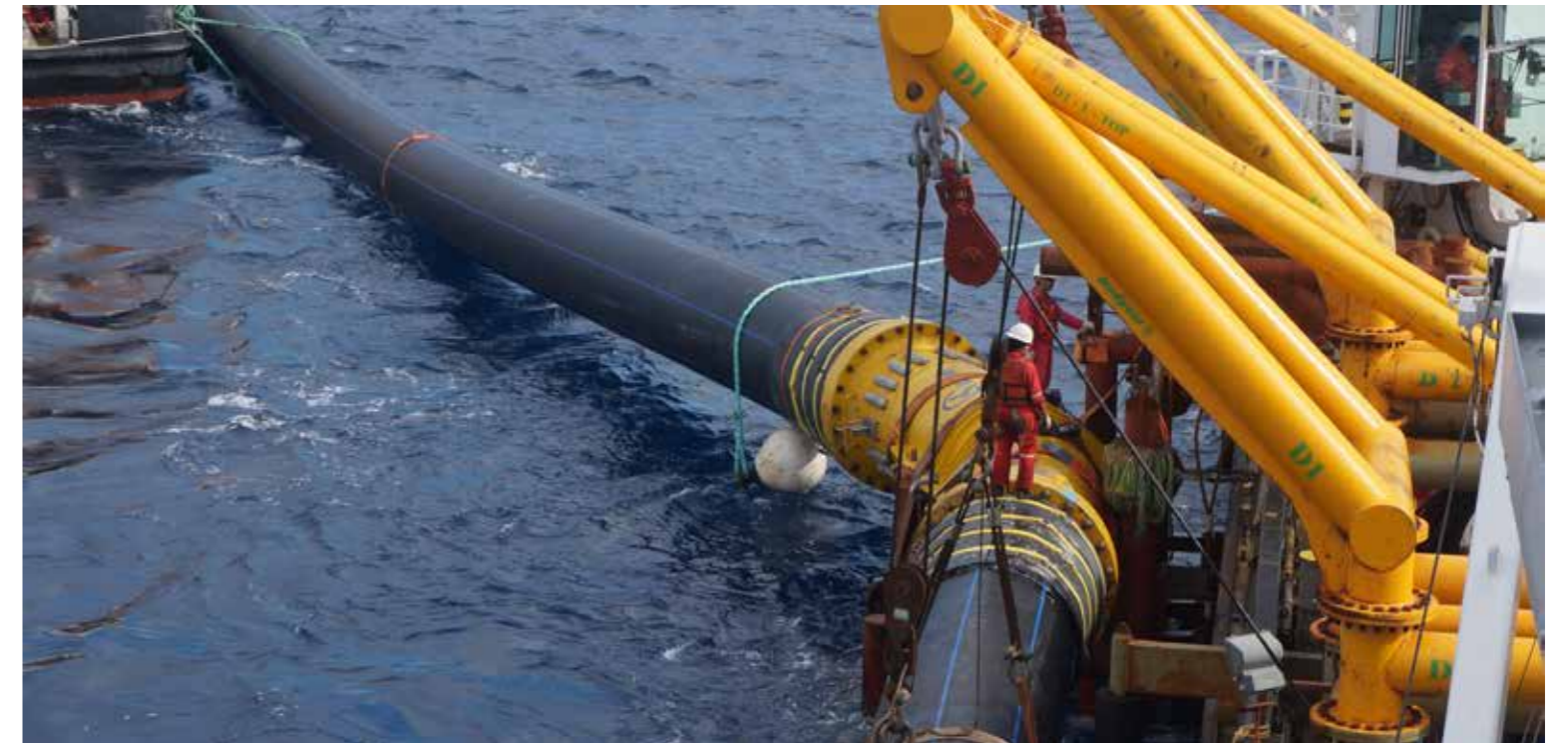
**Location:** North Cyprus Turkiye Republic

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 132 pcs of Elbow (“Y” Piece) Manufacturing and Transport for North Cyprus Turkish Republic Offshore (Sub-Marine) Fresh Water Supply Project.  
Test Pressure: 16bar.

**Project Weight:** 1,245 tons

**Year:** 2015



# Al-Khalij Project / Libya

**Client:** Gama Endüstri A.Ş. / TURKIYE

**Location:** Libya

**Contractor:** Çiltuğ Heat Industry and Trade Co.

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

## Gates Dimension:

2 set - 5.1 x 11.4 mt

2 set - 4.9 x 11.4 mt

1 set - 5.84 x 11.4 mt

1 set - 3.9 x 11.4 mt

1 set - 2,34 x 11.4 mt

**Project Weight:** 400 tons

**Year:** 2011



# Rajma Ghot Es-Sultan & Benghazi Water Irrigation Project / Libya

**Client:** Kolin İnş. Tur. San ve Tic. A.Ş. / TURKIYE

**Location:** Libya

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication and erection of Penstocks

**Project Weight:** 608 tons

**Year:** 2011



# TG01 TYPE Transportation Frame / Areva

**Client:** Areva Wind Gmbh / GERMANY

**Location:** Bremerhaven / Germany

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 8 Sets Off-Shore Transportation Frame Fabrication

**Project Weight:** 196 tons

**Year:** 2013



# SENDJE ROTOR SPIDER / FRANCE

**Client:** Alstom Hydro France S.A./ FRANCE

**Location:** Sendje Project / Russia

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 4 Units Rotor Spider fabrication

**Project Weight:** 61.3 tons

**Year:** 2016





# HARJAVALTA UPPER & LOWER BRACKET / FINLAND

**Client:** Alstom Hydro Hydro/ SPAIN

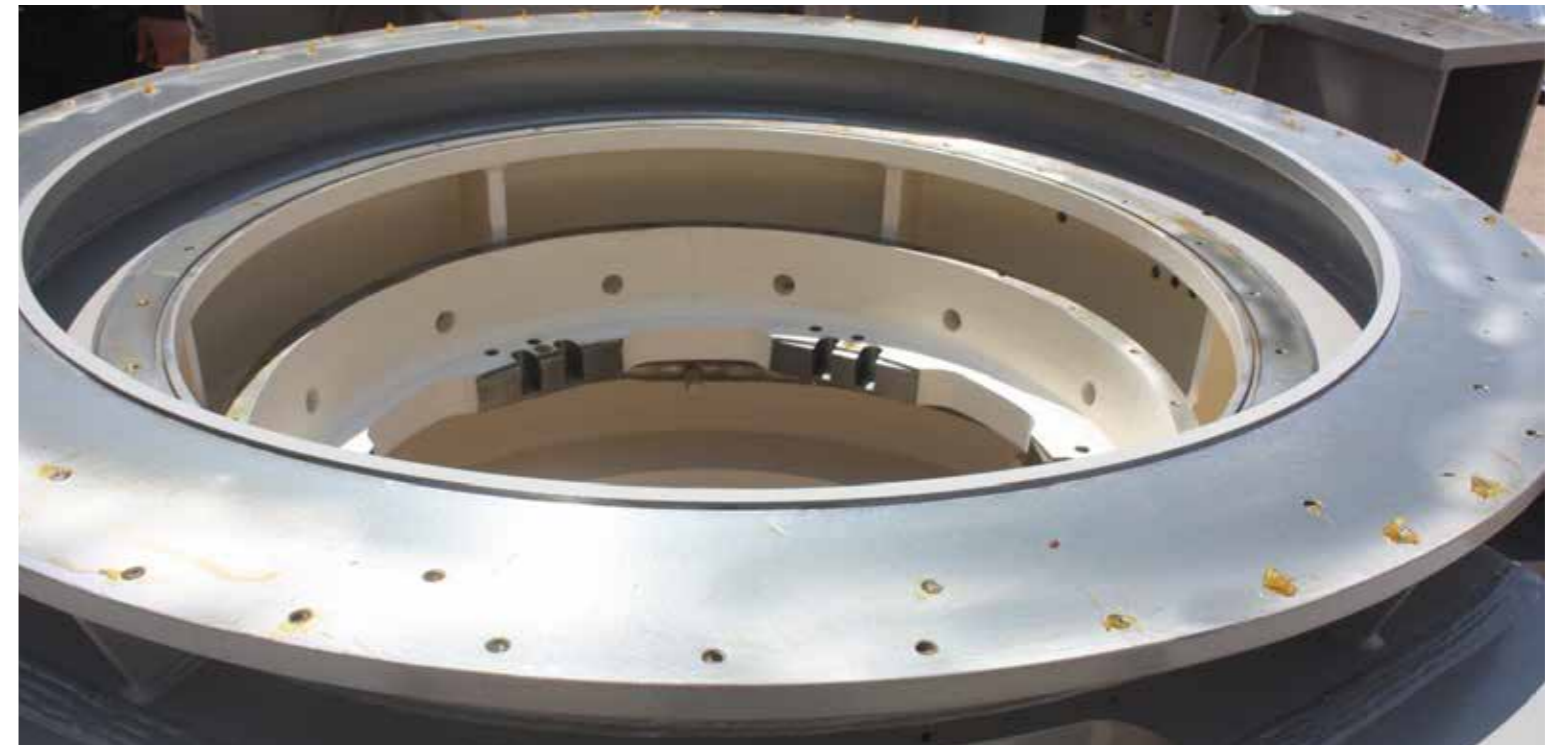
**Location:** Harjavalta Project / Finland

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 1 Unit Upper&Lower Bracket fabrication

**Project Weight:** 32.8 tons

**Year:** 2016



# WICKET GATE RINGS FOR KAPLAN TURBINES

**Client:** GLOBAL Hydro.

**End User:** Erdem Holding

**Location :** Turkiye

**Manufacturer:** ÇİLTUĞ A.Ş.

**Project:** OVA HPP-3X4.5MW

**Scope:** Kaplan Turbine Stationary Accessories Wicket Gate

- Ring: Ø4880 / 3354 / Weight: 9,716kg/set
- Bearing Housing: Ø2177 / Weight: 2,620kg/set
- Discharge Ring: Ø3930 h:1093mm-weight: 7,185kg/set
- D.T Cone: Ø3730/3526-weight: 7,095kg/set

**Total Project weight:** 80Ton

**Year:** 2019



# WICKET GATE RINGS FOR KAPLAN TURBINES



## Nam Theun 2 Project / Cambodia

**Client:** GE General Energy / Norway

**Location:** Cambodia

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication and delivery exworks for 8 numbers of Francis Draft Tube Stoplogs (6.35x9 mt) 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.

**Project Weight:** 87 tons

**Year:** 2007



## TARTOUS PROJECT / SYRIA

**Client:** Tartous Cement & Building Material Co.

**Location:** Tartous, SYRIA

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication of 4 units of steel cylindrical links.

**Project Weight:** 227 tons

**Year:** 2008



# SINCIK WEPP (27.5 MW)

**Client:** Nordex Energy / Germany

**Location:** Sincik WEPP (27.5MW) / Turkiye

**Contractor:** Tektuğ Inc.

**Scope:** 11 sets 80 mt Wind Tower fabrication

**Project Weight:** 1,967tons

**Year:** 2013



# CBG EXPANSION PORT FENDER

**Client:** Sogea Satom C/O Compagnie / Guinee

**Location:** Kamsar / Guinee

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 13 sets Port fender Superstructures fabrication.

**Project Weight:** 242 tons

**Year:** 2017



# 10 M<sup>3</sup> LOX CRIYOGENIC TANK / TR

**Client:** Oknal A.Ş. / Turkiye

**Location:** K.Maraş / Turkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 units 10 m<sup>3</sup> LOX Criyogenic Tank fabrication

**Project Weight:** 11 tons

**Year:** 2017





## ANDRITZ SAN ANDRES / USA

**Client:** Andritz

**Location:** France

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 sets Collector & 2 set Housing & 1 set Safety Penstock Valve

**Project Weight:** 46 tons

**Project Dimension (Collector):**

W:5,310mm / L:6,550mm / H :1,020mm

**Project Dimension (Housing):**

W: 2,569mm / L: 5,738mm / H :4,525mm

**Project Dimension (SFV):** Ø1,720 / H: 5,868mm

**Year:** 2019



# ANDRITZ MAITHSY / FRANCE

**Client:** Andritz

**Location:** France

**Contractor:** Çiltuğ Heat Industry and Trade Co.

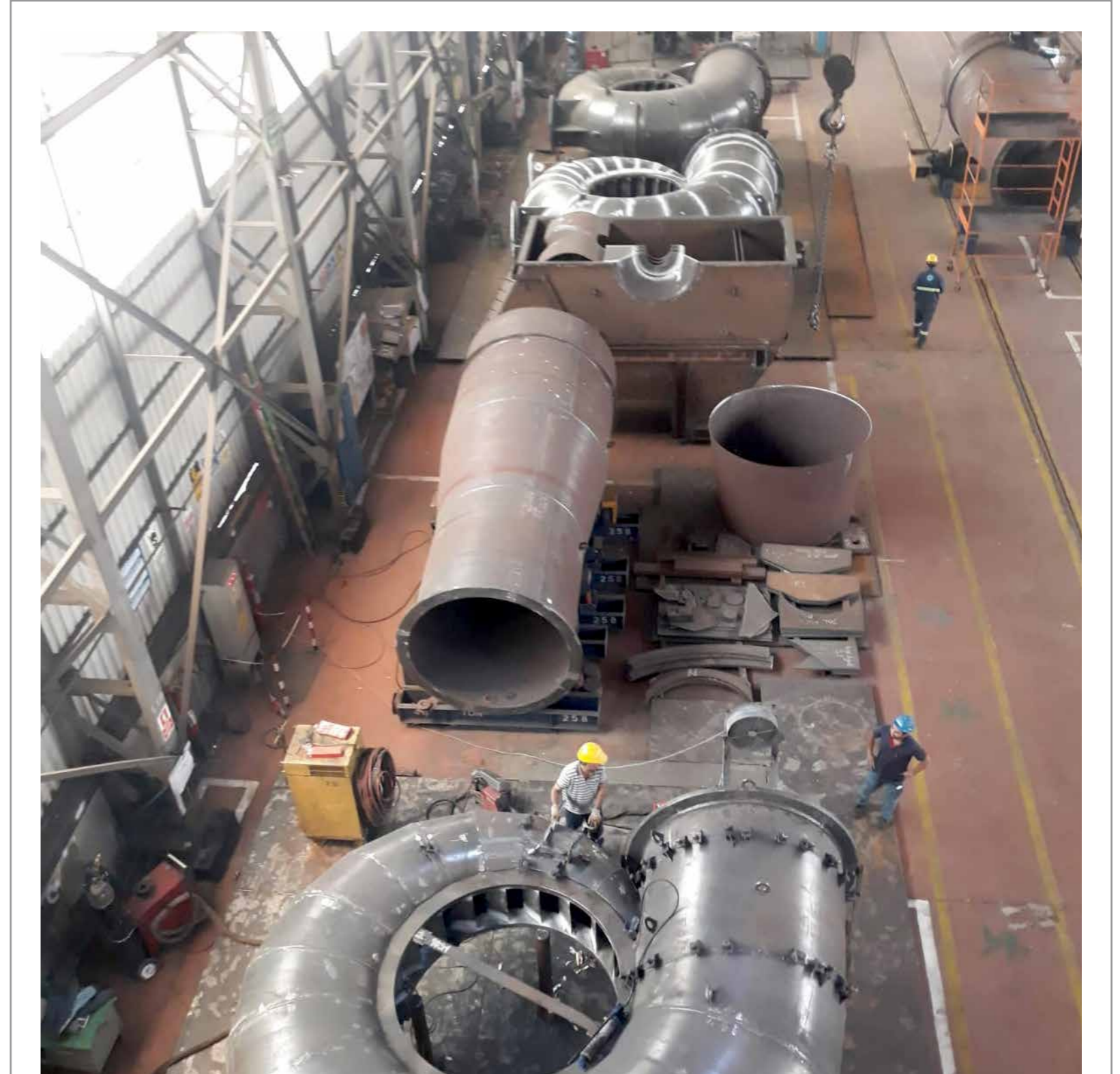
**Scope:** 4 sets Spiral Case & Draft Tube

**Project Weight:** 62 tons

**Project Dimension (SC):** Diameter:Ø2,000 Width: 4,581mm

**Project Dimension (DT):**  
Diameter:Ø2,215 / Height: 4,300mm

**Year:** 2019



# VOITH LOKA PROJECT / TURKIYE

**Client:** Voith

**Location:** Turkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 1 sets Head Cover (Ø2700x650) & Bottom Ring (Ø2550x90) & Operating Ring (Ø2650x550)

**Material:** S355J2+N / 1.4313+QT900 (Forget Martensitic Statinless Steel)

**Project Weight:** 16 tons

**Project Dimension:** Diameter:Ø5,795 / Height: 1,453mm

**Year:** 2019



## GE KKH PROJECT / ISRAEL

**Client:** Ge Renewable

**Location:** Israel

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 sets Draft Tube

**Project Weight:** 60 tons

**Project Dimension:** Diameter: Ø2,200 / Height: 1,450mm

**Year:** 2019



# AREVA SHIELDED DRUMS / FRANCE

**Client:** Areva

**Location:** France

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 189 sets Sheilded Drums

**Project Weight:** 87 tons

**Project Dimension:** Diameter: Ø750 Height: 1,140mm

**Year:** 2019



# GE ALPASLAN II PROJECT TURKIYE (280 MW)

**Client:** Ge Renewable

**Location:** Turkiye

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 Sets Stator Frame & Erection and Sole Plates

**Project Weight:** 90 Ton

**Project Dimension** Diameter:Ø10.5 Mt. / Height: 3.5 Mt.

**Year:** 2019



## AT BASHY PROJECT / KYRGYZSTAN

**Client:** Ge Renewable

**Location:** Kyrgyzstan

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 1 set Spiral Case

**Project Weight:** 11 Tons

**Project Dimension**

Diameter: Ø6.000 x 6.500 / Height: 2000 mm

**Year:** 2019



## TATA STEEL / NETHERLANDS

**Client:** Andritz Maerz GmbH / Germany

**Location:** Netherlands

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Skid System, Waste Gust Duct, Stack, Mechanics, Platforms, Furnace Steel Structure

**Project Weight:** 1200 Tons

**Year:** 2020





## BEDESCHI PALETTA / ITALY

**Client:** Bedeschi S.p.A / Italy

**Location:** Italy

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 58 Set Paletta Project

**Project Weight:** 7 Tons

**Year:** 2022



# BEDESCHI REMOVABLE COVER / IT

**Client:** Bedeschi S.p.A / Italy

**Location:** Italy

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 Set Removable Cover Project

**Project Weight:** 10 Tons

**Year:** 2022



## HOWDEN TINGSTAD FAN / UK

**Client:** Howden / UK

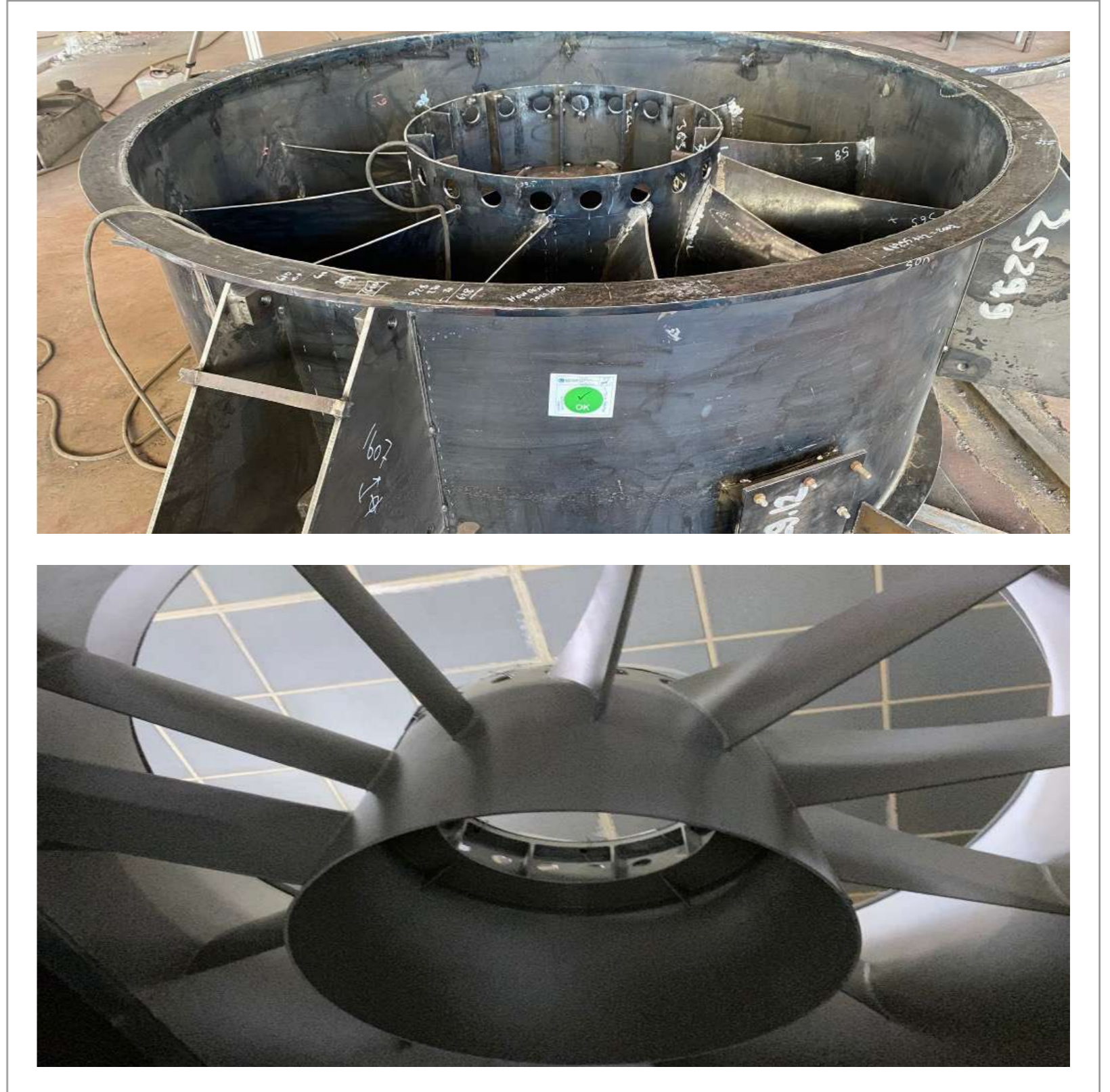
**Location:** United Kingdom

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 1 Set Tingstad Fan Project

**Project Weight:** 1,3 Tons

**Year:** 2022



## HOWDEN UMAF FAN / UK

**Client:** Howden / UK

**Location:** United Kingdom

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** 2 Set Umaf Fan Project

**Project Weight:** 19 Tons

**Year:** 2022



## KUTTNER SEPO / GERMANY

**Client:** Küttner / Germany

**Location:** Germany

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication, Transportation, Site Erection

**Project Weight:** 100 Ton

**Project Dimension:** Diameter:Ø4,5 Mt , Length: 8 Mt

**Material:** S355J2, P355GH, S460N, 42CrMo4

**Year:** 2022



## KUTTNER KTRC / GERMANY

**Client:** Küttner / Germany

**Location:** Germany

**Contractor:** Çiltuğ Heat Industry and Trade Co.

**Scope:** Fabrication

**Project Weight:** 100 Ton

**Project Dimension:** Diameter:Ø4,25 Mt / Length: 8 Mt

**Material:** S355J2, P355GH, S460N, 42CrMo4

**Year:** 2022



# KUTTNER KTRC / GERMANY



## MAIN CUSTOMERS

**ALSTOM**

**ANDRITZ**

**AREVA**

**BEDESCHI**

**DANIELI**

**DĞUŞ**  
İNŞAAT

**DOOSAN**

**DSi**

**ENERGO-PRO**

**EÜAŞ**

**FLENDER**

**GAMA**

**GE**

**GILKES**

**Howden**

**İC** içtaş inşaat

**kalyon**

**KOLIN**

**KÖSSLER**



## MAIN CUSTOMERS



Metso:Outotec





SINCE  
1971



**ÇİLTUĞ**  
ISI SANAYİ ve TİCARET A.Ş.

**THANK YOU  
FOR YOUR ATTENTION**

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