



TOROS®
*Construction, Trade
and Industry Ltd. Co.*

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Manufacturing Plant:

Adana Organized Industrial Zone
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COMPANY PROFILE

- Founded in 1988
- 150 employees
- Head office in Mersin, manufacturing plant in Adana
- HRSG casing, ducting, drum and silencer supports, exhaust stacks, stairtowers, platforms, pipe supports, modules
- Pressure vessels, tanks, process columns
- Prefabricated pipe spools, pressure piping
- Penstocks, gates, hydropower components
- Industrial fans
- Structural steel works

CERTIFICATIONS

- TÜV NORD CERT GmbH Quality Assurance Program
- DIN EN ISO 9001:2008 and BS OHSAS 18001:2007
- Type A, PP, S and U stamps issued by ASME
- Type R and NB stamps issued by NBBPVI
- EN 1090 and EN 3834





Toros Construction's Manufacturing Plant, Adana, TURKEY



1,280 MW Combined Cycle Power Plant, Djelfa, ALGERIA

Client: Duro Felguera & Nooter/Eriksen Inc.

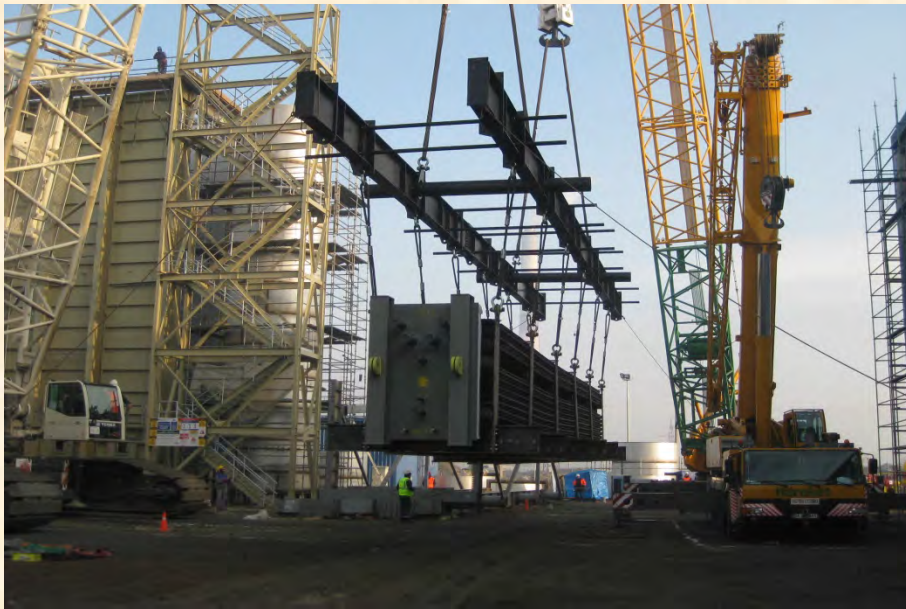
Scope: Casing, Inlet Duct, Exhaust Stack, Columns, Beams, Secondary Steel, Pipe Supports



Project: Modernization of Combined Heat and Power Plant, Kazanskaya, Tataristan, RUSSIA

Client: Cockerill Maintenance & Ingénierie, Inc. (CMI)

Scope: Casing, Inlet Duct, Exhaust Stack and Closing Plates



Project: Combined Cycle Gas Turbine Project, Gardabani, GEORGIA

Client: Çalık Energy & General Systems Design (GSD)

Scope: Manufacturing of Coil Bundles



Project: SCR Catalytic Support Structures for Combined Cycle Power Plant,
Nishi Nagoya, JAPAN

Client: Toshiba & Nooter/Eriksen Inc.

Scope: Manufacturing of Support Structures for (6) Units



Project: Inlet Duct for Combined Cycle Gas Turbine Project, Great Island, IRELAND

Client: Mitsubishi Heavy Industries & Nooter/Eriksen Inc.

Scope: Inlet Duct



Project: 3x42 MW Power Generation Plant, West Qurna Oil Field, Phase II

Client: ENKA Construction & Industry Co. Inc.

Scope: Diesel Storage Tanks, Hydraulic Seal Drums, Air Receiver Vessels, Nitrogen Eq. Tanks



Project: 3x42 MW Power Generation Plant, West Qurna Oil Field, Phase II

Client: ENKA Construction & Industry Co. Inc.

Scope: Prefabrication of Pipe Spools



Project: Yulchon CCGT, South KOREA
Client: Nooter/Eriksen
Scope: Large and Small Bore Pipe Supports



Tank Applications (50,000 m³ Oil Storage ATAS Refinery, ?????, Saline Water Storage SODA Plant)



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Project: 125 MW Combined Cycle Power Plant for SODA Factory - Phase I, Mersin, TURKEY
Client: Nooter/Eriksen Inc. Scope: Exhaust Stack, Stair Tower, Ladders, Platforms



Project: 4 x 360 MW Afşin-Elbistan B Thermal Power Plant, Kahramanmaraş, TURKEY

Client: Gama-Tekfen-Tokar J.V.

Scope: Foundations of Boiler House, Bunker Building, Electrofilters, Stack and Concrete Superstructure of Bunker House



Project: Lime Furnaces for SODA Factory, Mersin, TURKEY

Client: SODA Sanayii A.Ş. Scope: Civil works, manufacturing and installation of Lime Furnace



Project: 2x125 MW Combined Cycle Power Plant - Phase II, Mersin, TURKEY

Client: CAMİŞ Elektrik A.Ş., Nooter/Eriksen & GSD

Manufacturing of Exhaust Stack, Stair Tower, Ladders, Platforms. Complete Mechanical Erection



Project: 2 x 660 MW Sugözü Thermal Power Plant, İskenderun, TURKEY
Client: Gama-Tekfen J.V. Scope: Laying of GRP Cooling Water Piping, Condenser Erection,
Erection of Ash Handling System, Erection of Interconnecting Piping



Project: 1,600MW Shuweihat S3 Combined Cycle Power Plant, Abu Dhabi, UAE

Client: Siemens & Nooter/Eriksen Inc.

Scope: Manufacturing of Exhaust Stacks for 4 Units



Project: 400 MW Huntstown II Combined Cycle Gas Turbine Power Plant, Dublin, IRELAND

Client: Viridian Power & Nooter/Eriksen Inc.

Scope: Manufacturing and Delivery of Exhaust Stack



Project: Absorption/Distillation Unit for Chemical Plant, Mersin, TURKEY
Client: SODA Sanayii A.Ş.



Project: 12 MW Tohma Hydroelectric Power Plant, Malatya, TURKEY

Client: Altek Alarko

Scope: Construction of Powerhouse, Manufacturing and Installation of Penstocks



Project: Lamas III-IV Hydroelectric Power Plant Mersin,
TURKEY

Client: TGT Enerji A.Ş. (GE and Gama J.V.)

Scope: Manufacturing and Installation of Penstocks, Fire
Water System, Roof Steel Structure

REFERENCES

- ALPINE MAYREDER BAU GmbH Salzburg, Austria
- . ALTEK ALARKO A.Ş. Gebze, Turkey
- BERSEY İMALAT LTD. ŞTİ. İstanbul, Turkey
- COCKERILL MAINTENANCE & INGÉNIERIE , S.A. Seraing, Belgium
- . ÇİMSA CEMENT INC. İstanbul, TURKEY
- .DELKOR LTD. Bristol, England
- . DOĞUŞ İNŞAAT VE TİCARET A.Ş. İstanbul, Turkey
- ENKA CONSTRUCTION & INDUSTRY İstanbul, Turkey
- . GAMA ENERGY Ankara, Turkey
- GRD MINPROC LTD. Perth, Australia
- . GÜNEY ÇELİK HASIR A.Ş.
- . HOWDEN AXIAL FANS APS Næstved, Denmark
- . INITEC ENERGIA S.A. Madrid, Spain
- . NOOTER/ERIKSEN Inc. Missouri, U.S.A.
- NE-SA MADENCİLİK A.Ş. Adana, Turkey
- . SOUND TECHNOLOGIES, Inc. Indiana, U.S.A.
- . ŞİŞE CAM GROUP İstanbul , Turkey
- TEKFEN İNŞAAT ve TESİSAT A.Ş. İstanbul, Turkey

CONTINUING AND RECENTLY COMPLETED PROJECTS

- 1) **DJELFA CCPP, ALGIERS** Among the new energy investments of SPE (Société de Production de l'Electricité), a subsidiary of the Sonelgaz Group is the Djelfa CCPP (4 Units). The Heat Recovery Steam Generators are contracted to Nooter/Eriksen Inc., U.S.A. Nooter/Eriksen has ordered all the non-pressure parts to Toros (approximately 3,700 tons):
- **Casing and Inlet Ducts ,Stair Tower, Platforms, Canopies, Drum and Silencer Supports Large and Small Bore Pipe Supports, Exhaust Stacks**
- The project is 90 % complete. Delivery will take place between February-April 2016.
- 2) **FAN STATIC PARTS, SOUTH HELWAN, EGYPT** Danish manufacturer Howden Axial Fans ApS, ordered the manufacturing of Static Parts for 6 Units to be used in the South Helwan Power Project in Egypt.
- 3) **FAN TEST EQUIPMENT, VAXJO, SWEDEN** Danish manufacturer Howden Axial Fans ApS, ordered the manufacturing of test equipment chassis to be used in their plant in Vaxjo, Sweden (delivered in December 2015).
- 4) **EARLY WORKS & FACILITIES - SCPX PROJECT, GEORGIA** ENKA - Bechtel J.V. has undertaken an important part of the SCP (South Caucas Pipeline) Project. Various structural steel components are ordered to Toros.
- 5) **KAZANSKAYA CCPP, TATARISTAN, RUSSIA** The main contractor General Electric has ordered the manufacturing of the HRSG system to CMI (Cockerill Maintenance & Ingenierie S.A.), Belgium. Toros manufactured the casing, inlet and outlet ducts and exhaust stack and delivered the components in July 2015.
- 6) **NISHI NAGOYA # 7 ENERGY PROJECT, JAPAN** Chubu Electric Power Company is the owner of Nishi Nagoya Power Plants located in Nagoya city, Japan. General contractor Toshiba Group has developed the most efficient thermal power plant in the world (efficiency \geq 62% lower heating value basis).
- Nishi Nagoya #7 consists of 6 Units. HRSGs are subcontracted to Nooter/Eriksen Inc., U.S.A. The Catalyst Support Structures for this project have been manufactured and delivered by Toros in December 2015.