

REFERENCES

ENGINEERING & AUTOMATION

1 – TUBER IRON & STEEL PLANT 45 TON / TURKEY

- ✓ Converting 15 ton EAF to LF
- ✓ Renovation of 10 ton, 45 ton & 80 ton overhead cranes
- ✓ Renovation of MV & LV substation

2 – YESILYURT IRON & STEEL PLANT 50 TON / TURKEY

- ✓ Project management
- ✓ MV/LV substation
- ✓ Medium and low voltage distribution system
- ✓ Electrical & automation system of water treatment plant
- ✓ Emergency supply system
- ✓ Renovation of arc and ladle furnace electrical system
- ✓ Meltshop halls & buildings lighting system

3 – KAPTAN IRON & STEEL PLANT 100 TON / TURKEY

- ✓ Layout of complete meltshop
- ✓ 380 kV switchyard & 155 MVA stepdown transformer
- ✓ Switchyard for 80 MVA power plant
- ✓ Medium and low voltage distribution system
- ✓ Emergency supply system
- ✓ Capacity increasing of EAF from 100 ton to 120 ton

4 – KAPTAN ROLLING MILL 60 TON/H

- ✓ MV/LV Distribution system
- ✓ Reheating furnace electrical & automation system
- ✓ MCC & control panels
- ✓ Engineering for renovation and capacity increasing of complete rolling mill

5 – AL ITTIFAQ IRON & STEEL PLANT 60 TON / SAUDI ARABIA

- ✓ Electrical & automation design of ferro alloy plant

6 – NURSAN METALURJI 100 TON/ TURKEY

- ✓ Electrical and mechanical engineering of 100 ton ladle furnace

7 – BESHAY IRON & STEEL PLANT 140 TON / EGYPT

- ✓ Carbon injection system and carbon line
- ✓ Carbon plant
- ✓ Automation system of arc and ladle furnace
- ✓ Emergency supply system

8 – CANSAN METALURGY IRON & STEEL PLANT 70 TON / TURKEY

- ✓ Project Management
- ✓ MV/LV electrical panels
- ✓ Automation system of complete meltshop

9 – CASPIAN ABHAR MELTING AND ROLLING MILL 70 TON / IRAN

- ✓ Project management



REFERENCES

- ✓ Basic and detailed civil, electrical and mechanical engineering of all units in meltshop
- ✓ Basic and detailed civil, electrical and mechanical engineering of 6 strand CCM
- ✓ Basic and detailed civil, electrical and mechanical engineering of water treatment plant of CCM
- ✓ Layout of complete meltshop
- ✓ Engineering for renovation of existing 70 ton/h capacity rolling mill

10 – POLTEKS DOGA STEEL 60 TON MELTSHOP ERBİL/İRAK

- ✓ Basic and detailed engineering of Water Treatment Plant

11 – KIRIKKALE IRON & STEEL PLANT 3X15 TON KIRIKKALE/TURKEY

- ✓ Project coordinating of whole steel plant
- ✓ Basic and detailed engineering MV/LV Distribution System
- ✓ Electrical Workshop engineering of 30 t/h capacity rolling mill

12 – SİDDİK KARDESLER IRON & STEEL PLANT 70 TON KOCAELİ/TURKEY

- ✓ Basic and detailed engineering of MV & LV Distribution System and Water Treatment Plant
- ✓ Project coordinating of whole steel making plant
- ✓ Design of 3 copper clad electrode arms and delta closure busbars for 120/144 MVA transformers

13 – BEKAP METAL SANAYİ KOCAELİ/TURKEY

- ✓ Basic and detailed engineering of MV & LV Distribution System
- ✓ Workshop engineering of 4HI cold rolling mill

14 – MMG 2 SET 30 TON INDUCTION FURNACES POTİ/GEORGİA

- ✓ Basic and detailed engineering of 12 kV MV Distribution System
- ✓ 2 strand CCM electrical and automation design

15 – YUZHSTAL STEEL PLANT 2x50 TON ROSTOV/RUSSİA

- ✓ Basic and detailed engineering of MV & LV Distribution System and Water Treatment Plant
- ✓ Mechanical and electrical design of Fume Treatment Plant
- ✓ Project coordinating of whole steel making plant
(This Project is continuing)

ERECTION AND COMMISSIONING

1 – TUBER IRON & STEEL PLANT 45 TON / TURKEY

- ✓ 2X250000 m³/h dedusting plant
- ✓ 10 MVar 3. harmonic filter
- ✓ Overhead cranes
- ✓ Water treatment plant

2 – YESİLYURT IRON & STEEL PLANT 50 TON / TURKEY

- ✓ Dismantling of complete meltshop(Tuber Iron and Steel) including steel building and reassembling it as Yeşilyurt in Samsun/Turkey
- ✓ Medium and low voltage distribution system
- ✓ Arc & Ladle furnace
- ✓ Continuous casting machine
- ✓ Overhead cranes

- ✓ Dust collection plant
- ✓ PSA oxygen plant 2100 m³/h



REFERENCES

3 – KAPTAN IRON & STEEL PLANT 100 TON / TURKEY

- ✓ Dismantling of 210 ton teeming, 100 ton charging, 50 ton tundish and 20 ton billet cranes in Milan/Italy and reassembling them in Kaptan plant area
- ✓ 380 kV switchyard & 155 MVA stepdown transformer
- ✓ MV/LV distribution center
- ✓ Arc & Ladle furnace
- ✓ Continuous casting machine
- ✓ Overhead cranes
- ✓ Dust collection plant
- ✓ Cryogenic oxygen plant 5000 m³/h
- ✓ Ferro alloy plant
- ✓ Static Var Compensation 100 MVar

4 – KAPTAN ROLLING MILL 60 TON/H

Renovation and capacity increasing for the following unit

- ✓ MV/LV Distribution system
- ✓ Reheating furnace
- ✓ Rolling mill groups
- ✓ TMT
- ✓ Cooling bed
- ✓ Bar handling
- ✓ Piping

5 – AL ITTIFAQ IRON & STEEL PLANT 60 TON / SAUDI ARABIA

- ✓ Ferro alloy plant

6 – NURSAN METALURJI 100 TON/ TURKEY

- ✓ Electrical and mechanical erection of 100 ton ladle furnace

7 –BESHAY IRON & STEEL PLANT 140 TON / EGYPT

- ✓ Medium and low voltage distribution system
- ✓ Arc & Ladle furnace
- ✓ Continuous casting machine
- ✓ Overhead cranes
- ✓ Dust collection plant
- ✓ Cryogenic oxygen plant 6000 m³/h
- ✓ Lime plant
- ✓ Carbon plant and carbon line

8 – ALSHAHIN COMPANY FOR METAL INDUSTRY

- ✓ Cut to length line
- ✓ MV / LV Distribution system

- ✓ Compressor system



REFERENCES

9 – CANSAN METALURGY IRON & STEEL PLANT 70 TON / TURKEY

- ✓ MV/LV electrical panels, transformers
- ✓ Automation system of complete meltshop including EAF, LF , dedusting, water treatment plant, CCM, ,scrap and ladle cars, ladle preheating sytems
- ✓ Mechanical erection works of EAF, LF, CCM, dedusting and water treatment system

10 – PASARGAD IRON & STEEL PLANT(DEDUSTING AND OXYGEN PLANT) 140 TON / IRAN

- ✓ MV/LV electrical panels and transformers
- ✓ Earthing and cable tray installation

11- TWANA STEEL IRON & STEEL PLANT 5 TON/IRAK

- ✓ Single strand CCM
- ✓ Water treatment plant of one strand CCM

12 - CASPIAN ABHAR MELTING AND ROLLING MILL 70 TON / IRAN

- ✓ Dismantling of 8 strand CCM in Genova/Italy and reassembling them as 6 strand in Abhar/Iran

13 – POLTEKS DOGA STEEL 60 TON MELTSHP /IRAK

- ✓ Electrical erection works of complete meltshop(arc and ladle furnaces,dedusting,RMH,CCM,MV building,cranes,oxygen plant,wtp of meltshop and rolling mill
- ✓ Electrical erection of rolling mill water treatment plant

14 – TOSYALI CELIK NIKSIC 60TON /MONTENEGRO

- ✓ Erection of 100 MVar SVC(Static VAR Compensation)

15 – KIRIKKALE IRON & STEEL PLANT 45 TON/TURKEY

- ✓ Complete rolling mill electrical works installation
- ✓ 20 MVar SVC erection
- ✓ Electrical installation of meltshop cranes

16 – EGEDEMIR IRON & STEEL PLANT 15 TON/TURKEY

- ✓ 15 ton/h capacity ladle furnace complete electrical installation, mechanical & piping works erection

17 – SIDDIK KARDESLER IRON & STEEL PLANT 70 TON/TURKEY

- ✓ 70 ton/h capacity steel making plant MV/LV distribution systems(MV panels, transformers and low voltage panels , interconnection cables and cable trays) and electrical installation of water treatment plant
- ✓ 3500 m3/h capacity oxygen plant complete(MV/LV) electrical installation works

18 – TOSYALI TOYO ÇELİK A.Ş. OSMANİYE/TURKEY

- ✓ Cable laying, termination and test of termination

REFERENCES

19 – TOSYALI TOYO ÇELİK A.Ş. OSMANİYE/TURKEY

- ✓ 27000 KVAr Static VAR Compensation complete erection

20 – BEKAP METAL SANAYİ KOCAELİ/TURKEY

- ✓ Installation of MV & LV Distribution System
- ✓ Installation of 4HI cold rolling mill electrical system
- ✓ Installation of mechanical equipment of 4HI cold rolling mill

21 – SİDDİK KARDESLER IRON & STEEL PLANT 70 TON/TURKEY

- ✓ Installation of 2x 4000 KVA water treatment plant transformers
- ✓ Installation of medium voltage cubicles of water treatment plant
- ✓ Installation of LV & MCC panels of water treatment plant

22 – MMG 2SET 30 TON INDUCTION FURNACES POTI/GEORGIA

- ✓ Installation of 2 set 12 kV MV Distribution System
- ✓ Installation of 2 strand CCM electrical and automation panels and cabling and commissioning
- ✓ Installation of LF electrical and automation panels and commissioning
- ✓ Installation of 30 ton induction furnace electrical and automation panels and commissioning with Inductotherm

23 – SIVAS IRON & STEEL PLANT SIVAS/TURKEY

- ✓ Installation of ladle furnace electrical and automation panels and cabling and commissioning of electrode regulation system and other utilities

24 – EL METAL IRON & STEEL PLANT BAKU/AZERBAIJAN

- ✓ Providing of PLC and SCADA software and commissioning of 2 strand CCM electrical and automation panels

25 – KILIÇLAR DEMİR ÇELİK İZMİR/TURKEY

- ✓ Providing of PLC and SCADA software and commissioning of 3 strand CCM electrical and automation panels

26 – MESCIER STEEL PLANT 100 TON BARTIN /TURKEY

- ✓ Installation of cable trays , cables and all connection and test of EAF, LF, Dust collection system and CCM

27 - YUZHSTAL STEEL PLANT 2X50 TON ROSTOV/RUSSIA

- ✓ Installation of MV & LV Distribution System
 - ✓ Erection of electrical and mechanical systems of EAF and LF
 - ✓ Erection of Fume Treatment Plant
 - ✓ Installation of electrical and mechanical systems of Water treatment Plant
- (This project is continuing)**

REFERENCES

MANUFACTURING

1 – NURSAN METALURJİ 100 TON/ TURKEY

- ✓ LF 100 ton (complete mechanic equipment and electrical and automation panels)

2 – ALSHAHIN COMPANY FOR METAL INDUSTRY

- ✓ Electrical and automation panels

3 – AL ITTIFAQ IRON & STEEL PLANT 60 TON / SAUDI ARABIA

- ✓ Electrical and automation panels of ferro alloy plant
- ✓ Electrical and automation panels of horizontal and vertical ladle preheaters

4 – CANSAN METALURGY IRON & STEEL PLANT 70 TON / TURKEY

- ✓ MV/LV and automation panels of all meltshop units

5 – TWANA STEEL IRON & STEEL PLANT / IRAK

- ✓ Complete single strand CCM with electrical and mechanical equipment
- ✓ Water treatment plant of one strand CCM

6 – POLTEKS DOGA STEEL 60 TON MELTSHP /IRAK

- ✓ IDB,MCC and automation panels of Water Treatment Plant

7 – S.C. LABORATOR SIDEX S.R.L. / ROMANIA

- ✓ Complete single strand CCM with electrical and mechanical equipment

8 – ILHAN DEMİR ÇELİK ROLLING MILL / TURKEY

- ✓ Complete low voltage compensation system

9 – BEKAP METAL SANAYİ KOCAELİ/TURKEY

- ✓ Supplying of MV & LV Distribution System panels and 2500 KVA 34.5/0.63 kV transformer

10 – SİDDİK KARDESLER IRON & STEEL PLANT 70 TON/TURKEY

- ✓ Supplying of 2x4000 KVA water treatment plant
- ✓ Supplying of MV panels of water treatment system
- ✓ Supplying of 3 pcs. current carrying copper-cladded electrode arms
- ✓ Supplying of delta closure busbars of EAF for a 120/144 MVA transformer

11 – MMG 2SET 30 TON INDUCTION FURNACES POTİ/GEORGIA

- ✓ Supplying of 2 set 12 kV MV Distribution System
- ✓ Supplying of 2 strand CCM electrical and automation panels and cables
- ✓ Supplying of ladle furnace electrical and automation panels

REFERENCES

12 - YUZHSTAL STEEL PLANT 2x50 TON ROSTOV/RUSSIA

- ✓ Supplying of 6 pcs. high current cables of LF
- ✓ Supplying of EAF burner copper panels
(This project is continuing)