



ENGINEERING DOBERSEK®



ContiClass® System REFERENCES

SEPARATION PLANT

Services & scope of supply

Basic and detail engineering, construction documents, programming, supply of equipment, on-site construction and installation works, installation supervision and commissioning, training of personnel

- > Batch preparation system
- > Smelting furnace as main part of ContiSmelt® System
- > Matte mixer and slag mixer
- > Systems for cleaning and cooling of process gases
- > Aspiration system
- > Water treatment and cooling system
- > System for supply of technological and instrument air
- > Main lifting equipment
- > Electrical equipment and instrumentation
- > Automated control system

BENEFITS:

- > Production of 73,800 t blister copper/year
- > Ensuring of a continuous smelting process with a bath smelting technology
- > Recovery of copper matte: till 97%



Basic and detail engineering



ContiClass® System

Technical Data

- > Sectional area at tuyere level: 24 m²
- > Furnace width at tuyere level: 2.5 m
- > Discharge of slag and matte: via siphons
- > Furnace lining: Chrommagnesite bricks
- > Walls and vaults: water-cooled caissons
- > Number of tuyeres: 28 pcs.
- > Daily average specific melting rate at the level of blowing tuyeres: 65 t/m²
- > Waste heat boiler (calibrated pipes) for cooling of process gases with a temperature of: 1,200 - 1,350 °C to 380 ± 10 °C
- > Mixer matte/slag: each 200 t

Customer

JSC Almalyk MMC,
Almalyk, Republic of Uzbekistan

Commissioning

2016

BLISTER COPPER

73,800

TONS PER YEAR



Smelting furnace building



Inside the smelting furnace



General views of steel works



Discharge of slag from mixer

Engineering Dobersek GmbH
Pastorenkamp 31
41169 Moenchengladbach
Germany
www.dobersek.com

t +49 2161 901 08 - 0
f +49 2161 901 08 - 20
e info@ed-mg.de

Engineering Dobersek GmbH offers the entire spectrum of turnkey plant engineering in the fields of mining, mineral processing, metallurgy, power as well as special plants. Our services range from - depending on individual customer requirements - from research and development, engineering, procurement, construction up to after sales service. Find out more on www.dobersek.com

Engineering Dobersek® is a registered trademark.
ContiSmelt® System is a registered trademark of Engineering Dobersek GmbH.