



ENGINEERING DOBERSEK®

STR System REFERENCE

SORPTION TAILINGS ROASTING PLANT

Services & scope of supply

Turnkey solution contract (technological part): complete process with patented STR System, basic and detail design, supply of equipment, documentation, process control and automation, installation supervision and commissioning, training of personnel

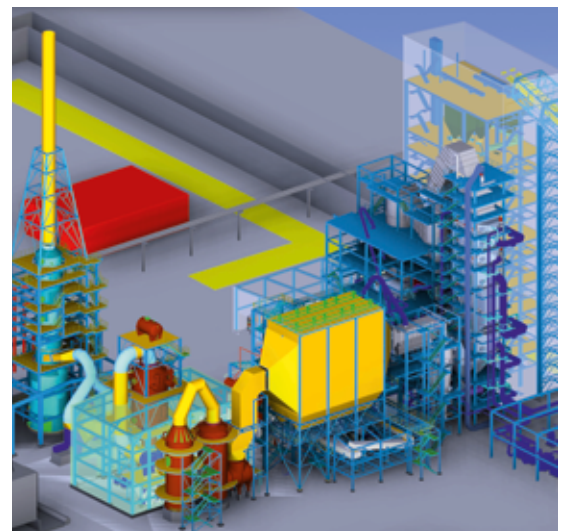
- > Dewatering system
- > Intermediate storage
- > Drying and granulation of filter cake
- > Roasting in the circulating fluidized bed furnace
- > Off-gas dedusting, wet off gas cleaning and desulfurization
- > Cooling and grinding of calcine
- > Cooling system
- > Process and instrument air system
- > Electrical equipment, instrumentation and controls
- > Automated control system
- > Multi-stage off-gas cleaning system including desulfurization plant

BENEFITS:

- > Gold recovery from sorption tailings
- > Considerable increase of total gold recovery
- > Compliance with strict regulations regarding off-gas quality



STR System
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3D-smelting furnace layout

Customer

Navoi Mining & Metallurgical Combinat,
Uchquduq, Republic of Uzbekistan

Commissioning

2019

PROCESSING OF
UP TO

83 t/h

SORPTION TAILINGS



Electrostatic precipitator and wet ball mill



Roasting in the circulating fluidized bed furnace



Drying of filter cake



Material handling



Granulation of filter cake

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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

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