



STR System REFERENCE

SORPTION TAILINGS ROASTING PLANT

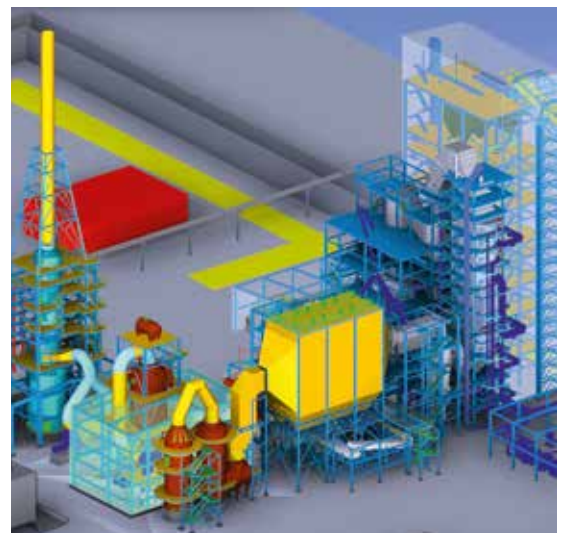
Services & scope of supply

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



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



Circulating fluidized bed furnace



Membrane filter presses



Material handling



Granulation

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