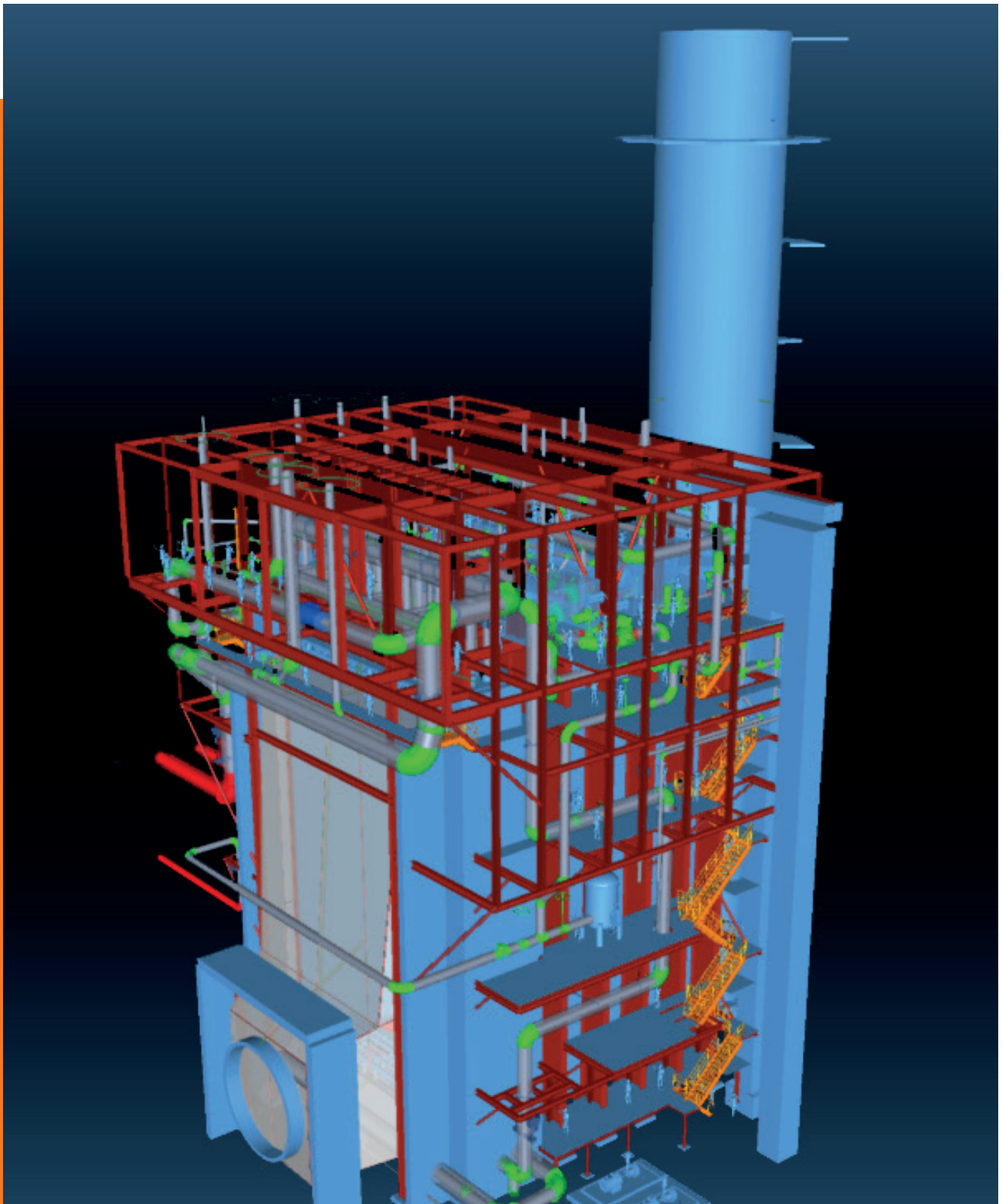


SURKHANDARYA, Uzbekistan

**1600 MW**



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# SURKHANDARYA, Uzbekistan | 1600 MW

The first thermal power plant of its kind in Uzbekistan

## Context of the Project

To enhance power generation efficiency, ensure grid stability and reliable power supply in Uzbekistan, the country has decided to build the greenfield Surkhandarya Combined Cycle Gas Turbine (CCGT) power plant, with a capacity of 1,600 MW.

The plant is located in Angor, district of the Surkhandarya region on the northeastern coast of the Uchkizil reservoir, which is an off-stream reservoir used for irrigation.

The project, a public-private partnership between Stone City Energy, EDF, Siemens Energy and Nebras Power, through a dedicated project company SCE-Quvvat, includes the design, construction, maintenance and operation of the power plant. It is supported by a 25-year Power Purchase Agreement (PPA) signed between SCE-Quvvat and JSC National Electric Grid of Uzbekistan.

Advanced gas-fired power generation technology will be used to maximize energy efficiency and reduce carbon emissions, contributing to address electricity shortage and support the energy transition in Uzbekistan.

The Surkhandarya Power Station will be the first of its kind in Uzbekistan to implement Siemens latest generation of H-Class gas turbines, producing annually 12 billion kWh of electricity and providing electricity for 500,000 households in the region.

## The Contract

Sepco III entrusted John Cockerill Energy with the design and supply of two large recovery boilers which will be associated with Siemens 9000HL turbines.

The boiler erection and commissioning will be performed by SEPCO's affiliate Shandong Tiejun Electric Power Engineering and supervised by John Cockerill experts.

## Plant Operation

The power plant is designed for base load.

## Gas Turbines

- SGT5-9000HL gas turbines
- Fuel: natural gas

## Heat Recovery Steam Generators

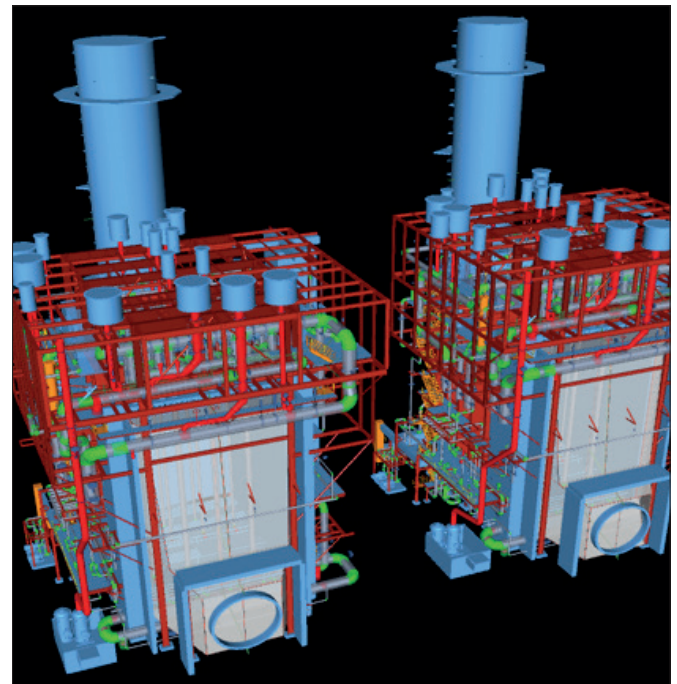
- 2 horizontal John Cockerill HRSGs
- Triple pressure level + Reheat
- Stainless steel tubes
- UZ Stamp

## Performances

Steam	°C	barA	t/h
HP	601	169	529
IP	358	42	41
LP	305	6	52
Reheat	611	40	558

## Schedule

- Contract Award March 2024
- Hydrotest April 2026
- Provisional Acceptance Certificate September 2027



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