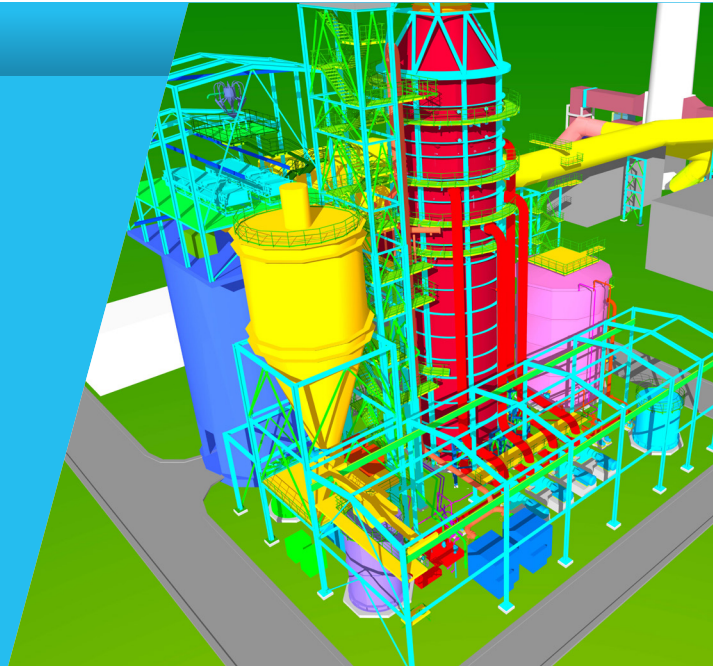


PROJECT PROFILE: FGD, Romania

Govora

Flue gas desulphurisation



In 2018, Doosan Lentjes in a consortium with Elsaco Electronic was awarded the turnkey contract to deliver a modern flue gas desulphurisation system for a lignite-fired power plant located in Romania.

DELIVERABLES

- Turnkey project delivered in a consortium with Doosan Lentjes being responsible for
 - Engineering
 - Delivery of equipment
 - Advisory services for construction and supervision of commissioning

CHALLENGES

- Retrofit of FGD in limited space conditions
- Plant still in operation
- Short contract execution time

BENEFITS

- Compliance with all applicable European emissions directives as per the directive 2010/75/EU on industrial emissions (IED)

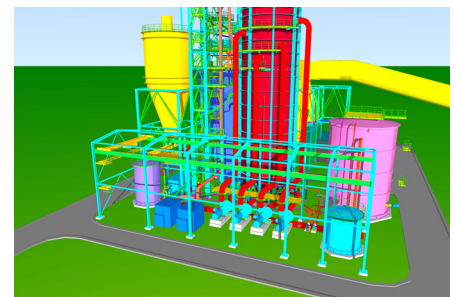
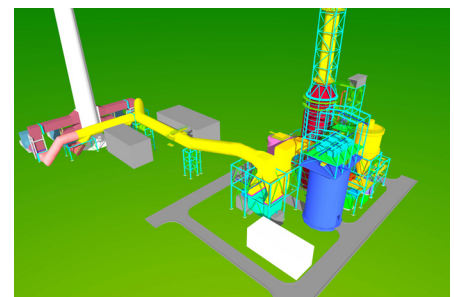
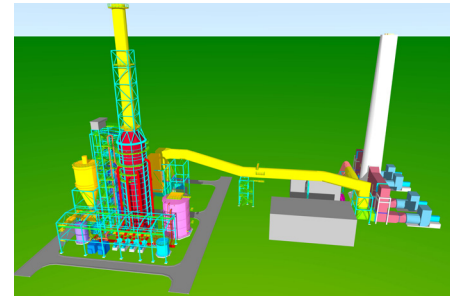
Advanced FGD to comply with European BREF requirements

CET Govora S.A. owns and operates a 2 x 345 MW_{th} lignite-fired power plant located in Ramnicu Valcea, Romania. Against the background of stringent European emissions legislation as per the 2010/75/EU on industrial emissions (IED), the plant owner is required to install modern environmental equipment.

With this in mind, Doosan Lentjes and Elsaco Electronic, a consortium of companies, were awarded a turnkey contract to retrofit the two existing boilers C5 & C6 with an advanced flue gas desulphurisation (FGD) system. In order to deliver on both environmental and economic objectives, the proven wet

limestone FGD method being defined as BAT (Best Available Technology) will be applied. The project will help the customer to secure ongoing operation permissions for their two boilers.

Doosan Lentjes' scope of work in the consortium will include engineering, the delivery of key equipment, as well as, advisory services for erection and supervision of commissioning.



Key Project Data

Final customer	CET Govora S.A.
Consortium partner	Elsaco Electronic
Location of power station	Ramnicu Valcea, Romania
Main fuel	Lignite
Thermal capacity	2 x 345 MW
Capacity of FGD	1 boiler
Award date	2018
DeSO _x technology	Wet limestone FGD
Number of DeSO _x lines	1
Flue gas flow rate	1 x 760,000 m ³ /h (STP, wet)
SO ₂ inlet concentration	7,400 mg/m ³ (STP, dry)
Guaranteed emissions data	
SO ₂ removal efficiency	98.8%



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Doosan Lentjes is a global provider of processes and technologies for energy production from renewable and fossil fuels. Our specific areas of expertise include circulating fluidised bed boilers, key technology for the generation of energy from waste, and flue gas cleaning systems. We have been pioneering energy solutions for 90 years and convert millions of tonnes of waste into valuable energy each year.

Doosan Lentjes is part of a powerful combination of companies united under the Doosan Group to deliver complementary technologies, skills and value to customers the world over.

Doosan Babcock

Doosan Lentjes

Doosan Škoda Power

NUCLEAR | BOILERS | TURBINES | WASTE TO ENERGY | AIR QUALITY CONTROL | SERVICE