

Media Release

Voith Hydro

Mailing address

Voith Hydro Holding GmbH & Co. KG

Alexanderstr. 11

89522 Heidenheim, Germany

Phone +49 7321 37 - 6866

www.voith.com

2021-10-19

Voith Hydro upgrades three power units from Belgium's largest pumped storage plant Coo-Trois-Ponts owned by ENGIE Electrabel

- Modernization of turbines and generators from construction phase Coo I set to deliver increased capacity and performance.
- Power plant essential to maintaining grid stability in Belgium.
- Works to span a period of four years.

Coo, Belgium. Voith Hydro has won the order to upgrade the power units from the Coo I section at Belgium's largest pumped storage power plant, Coo-Trois-Ponts. The project will take a period of four years and will bring an increase in plant capacity of 79 MW and performance.

An international team of Voith Hydro experts in Germany and the USA will be responsible for the model testing. The subsequent work on turbines and generators to increase performance will be conducted partly on site in the power plant and partly at Voith's facilities in Heidenheim.

Among other things, new runners and distributors will be manufactured for the turbines. For the generators, the priority will be to improve cooling and insulation. For Voith Hydro, the project is an important follow-up order from its customer ENGIE Electrabel. Previously, Voith had completed an extensive automation contract that already included the supply of new control and excitation technology as well as speed governors for the power plant's six machines.

"We are delighted that the customer has also entrusted us with the forthcoming modernization of the power units and that we are thus able to make a further contribution towards safe, reliable and cost efficient power plant operation," says Maxime Ghiduci, Account Manager at Voith Hydro.

Pumped storage an essential part of Belgium's energy mix

Pumped storage is currently the only option for storing electricity on a large scale. In Belgium, the Coo power plant is therefore absolutely essential to maintain balance in the grid. The turbines can currently be ramped up at any time to balance out a sudden drop in generation or absorb excess power. If demand is too low, Coo therefore stores the electricity that has been produced at another location, to then make it available again at peak consumption times.

In this way, Coo has been playing a key role in Belgium's energy mix for nearly 50 years. The maximum output of the power plant is 1,080 MW, making it one of the most efficient plants of its kind in Europe.

Forward-looking expansion planned

With the upgrade of the three power units, ENGIE Electrabel is also investing in a reliable future supply and grid stability. But to also continue to satisfy the growing requirements of the electricity grid, the company will increase the stored energy of the plant by 450 MWh.

About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services, and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials, and transport and automotive. Founded in 1867, Voith today has more than 20,000 employees, sales of €4.2 billion and locations in over 60 countries worldwide, and is thus one of Europe's larger family-owned companies.

Voith Hydro Division is part of the Voith Group and a leading full-line supplier and reliable partner for hydropower plant equipment. Voith develops customized long-term solutions and services for large and small hydropower plants all over the world. Its range of products and services covers the entire life cycle and all the main components for large and small hydropower plants, from generators, turbines, pumps and automation systems to spare parts, maintenance and training services and digital solutions for intelligent hydropower.

Voith Hydro

Mailing address
Voith Hydro Holding GmbH & Co. KG
Alexanderstr. 11
89522 Heidenheim, Germany
Phone +49 7321 37 - 6866

www.voith.com



Voith Hydro

Mailing address
Voith Hydro Holding GmbH & Co. KG
Alexanderstr. 11
89522 Heidenheim, Germany
Phone +49 7321 37 - 6866

www.voith.com

Page 3 of 3

Aerial view of Coo-Trois-Ponts hydropower complex owned by ENGIE Electrabel

Contact:

Kathrin Röck
Head of Communications Voith Hydro
Voith Hydro Holding GmbH & Co. KG
Tel. +49 7321 37 - 6866
Kathrin.Roeck@voith.com

Twitter

<https://twitter.com/voithgroup>
https://twitter.com/voith_hydro

LinkedIn

<https://www.linkedin.com/company/voithgroup>
<https://www.linkedin.com/company/voith-hydro>
<https://www.linkedin.com/company/voith-turbo>
<https://www.linkedin.com/company/voith-paper>

YouTube

<https://www.youtube.com/VoithGroup>

Instagram

<https://www.instagram.com/voithgroup>