

Cover Story

Drax Group is planning to expand its Cruachan pumped storage project in Scotland, with building work expected to start in 2024 if greenlighted

5 World News

Govt funds approved for Hells Gates Dam in Queensland, Australia; Voith completes acquisition of Voith Hydro's shares from Siemens

8 Spotlight

Dr Graham Ault provides details on technology available to get hydropower schemes connected to power grids sooner rather than later

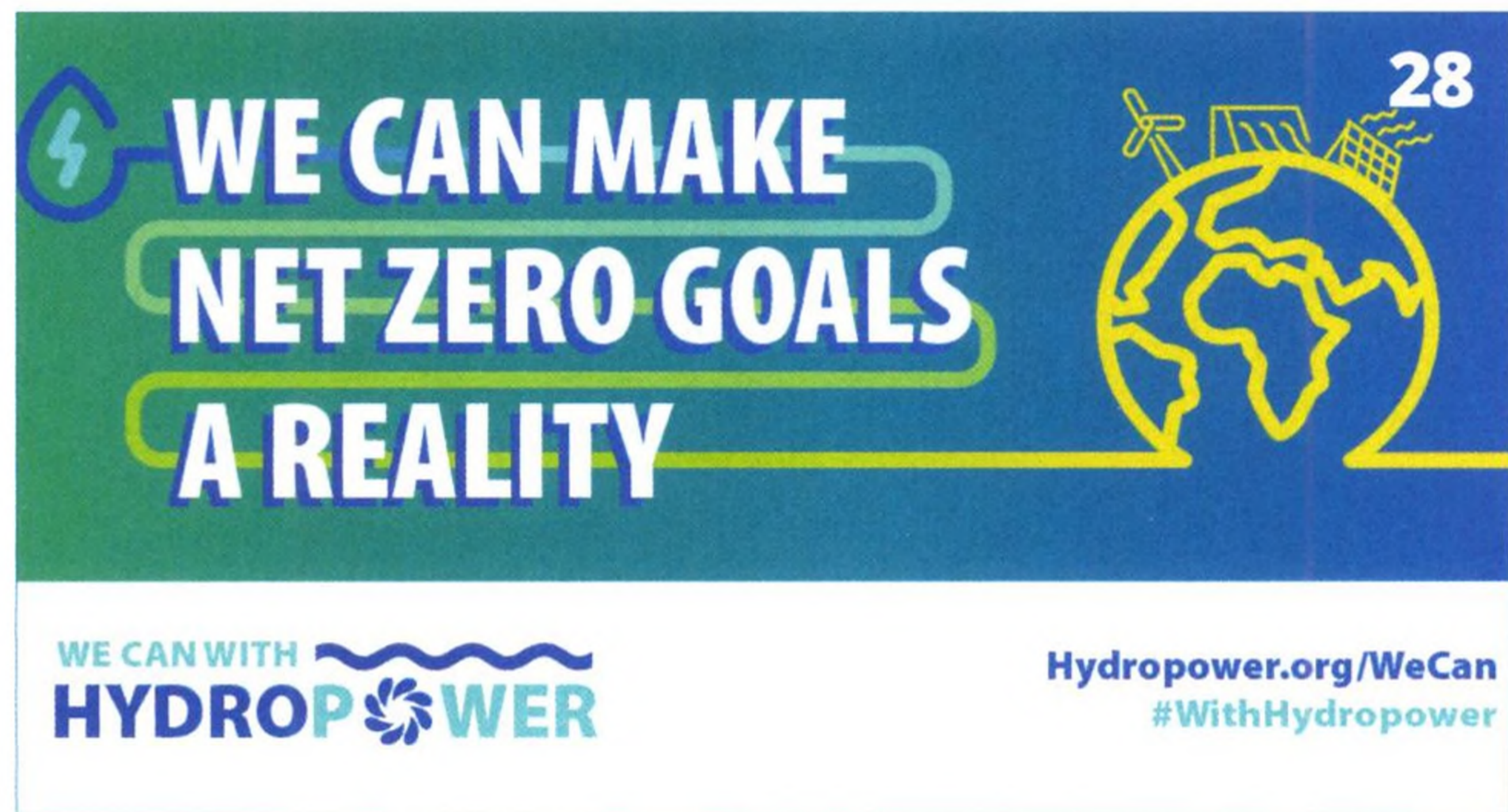
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Equipment

9 Optimizing hydropower maintenance

Strategies to help optimize maintenance management

10 Equipping pumped storage

Update on equipment being supplied at pumped storage projects across the world

12 Life extensions

New equipment is being used to help extend the life of hydropower projects in Canada, Switzerland and Nigeria



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Survey and investigation

14 Technology to pass the test

Geospatial AI is helping dam and hydropower project owners collect and utilize more data on their assets than ever before across vast areas, aiding in dam safety inspections



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17 Futuristic framework

Researchers have developed a new framework to investigate the thermal impact of dams worldwide

Small hydro

18 Plug & play

VerdErg Renewable Energy has launched VETT-in-a-Box concept development

22 Power to the people

The UK has been encouraged to turn to community-owned renewable schemes to help generate more electricity.

24 Nail in the coffin

A nine-fold cost increase by the Environment Agency has been described as the 'final nail in the coffin' for the small hydro industry in England. The British Hydropower Association says that this negates on government commitments to Net Zero and urges the agency to rethink its decision

Utilizing existing resources

27 RPS and the Railbelt

A report into the potential impacts of achieving an 80% renewable energy portfolio standard on Alaska's Railbelt electrical grid has been carried out. One of the key findings underpins the important role of flexible hydropower in balancing supply and demand and providing fast response to system outages

Sustainable hydropower

28 We can, with hydropower

The 'We can, with hydropower' public information campaign recently launched by the International Hydropower Association highlights the many benefits that hydropower provides to society when developed responsibly and sustainably

WE CAN WITH HYDROPOWER

Hydropower.org/WeCan #WithHydropower