

Maintenance & rehabilitation

12 Reviving history with modern ingenuity

Gilkes explains how it employed innovative 3D scanning, CAD modelling, and modern materials to resurrect a 90-year-old turbine at New Lanark Mills..

Construction

15 Rising acclaim

The San Vicente Dam Raise Project took six years to complete in the US. Now those involved in this ambitious scheme are the proud recipients of a top industry accolade.

16 Specialised Workwear for hydro workers

Nick Warrick from All Seasons Uniforms in the US explains why it is important to choose the most effective Personal Protective Equipment to keep hydro workers safe

Asia

18 Make the right decisions now

Climate change and water resource management are at the heart of discussions taking place across Asia.

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Digital twins

24 Digital ocean

Iliad creates advanced digital twins of the ocean, fostering a more sustainable marine environment. With 22 pilot sites addressing diverse challenges, Iliad's technology empowers stakeholders and aligns with the EU Mission Ocean's vision for a healthier ocean by 2030

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The role modelling plays in water and sedimentation management

Investment

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Investments in pumped storage get a boost with new government initiative

30 Protecting hydropower: The role of cloud forests and bonds

Hydropower's dependence on cloud forests, and the role the latter play in freshwater provision across 25 countries, has raised concerns about increasing vulnerability to deforestation and climate change. To help address this, a recent report has proposed mobilising cloud forest protection payments for hydropower projects