People

8

People on the move

Recent appointments

Europe

12

Breaking through

Developments in the European hydro and dams industry

16 Norway's hydro faces green test

Balancing sustainability, regulations and challenges.

18 Tapping into an overlooked talent pool

Helping to empower and support women in the construction industry

20 It's all a balancing act

Sweden manages hydropower amid ecological challenges

22 Barrier removals soar

Record barrier removals restore free-flowing rivers

Pumped storage

24 Pumped storage powers ahead

Pumped storage hydropower is re-emerging as the backbone of renewable integration

Tools

27 Holdin

Holding promise

BIM enables integrated design, construction, and operational management of dams and hydropower plants

28 Measuring hydro air gaps

New tool enables faster, repeatable measurement of hydro-generator rotor-stator air gaps

30Reimagining fire protection

The US Bureau of Reclamation leads the charge in fire suppression research for hydroelectric generators

32 Hydropower goes robotic

Al and advanced robotics are helping to transform hydropower operations

Geotechnical investigations

34

Slopes, dams and rising risks

Case studies from across India, Ethiopia and Iran

Floating solar

36

Floating solar power push

Highlight both the promise and the challenges of scaling this game-changing renewable solution

38 Sun meets water: trailblazing hybrid projects

Five pioneering installations combine solar power with hydropower to maximize efficiency and stabilize grids