
People

8

People on the move

Recent appointments

Asia

12

Uniting efforts

Water resource management

16

Powering Asia's green future

Demand for water-lubricated bearings and seals in the region

Renewables integration

18

Hydro flexes its muscles

Global power industry recognises hydro's flexibility is key to delivering energy security

Turbines

22

Refurb and rework

Updates on turbine installation and rehabilitation efforts

Refurbishment

26

Powering the Future

Investment in hydropower refurbishment and expansion is gaining momentum

28

Long lives and new tricks

Richard Herweynen gives an insight into how we can maximise the value of dams

30

Transformative tools

A look at how CAD tools are transforming the design, performance, and maintenance of hydropower facilities

Erosion & sedimentation control

32

An economic haemorrhage.

IWP&DC looks at how recent global experiences are trying to address the problem of sedimentation, described as 'an economic haemorrhage'

Monitoring

36

Monitoring tailings dams

The safety of dams, particularly tailing dams, has become an increasingly critical topic due to the environmental, social, and economic risks associated with their failure. SAALG Geomechanics explores the monitoring systems used in tailing dams, their importance, and how technological advances and standardization in construction have helped improve sustainability

China

38

China's hydropower expansion gains momentum

As China advances its ambitious clean energy targets, a wave of new hydropower projects is reshaping the nation's energy landscape. From pumped storage stations to major river dam developments, these projects promise enhanced grid stability