
Safety

12

Playing it safe

Effective communication and sharing valuable lessons are critical components of dam safety initiatives

18

Structural health monitoring

Tools for inspection and monitoring of hydropower and dam projects

24

In the drone zone

The growing role of drones

26

Driving industry improvements

New organisations are helping to direct and oversee safety improvements in relation to tailings storage facilities.

30

Spreading the word

Richard Herweynen and Amanda Ashworth of Entura, give an insight into their dam safety experiences

32

Safety and sustainability at Meninting Dam

Digital monitoring software promotes sustainability at Indonesian dam project

New opportunities

34

Opportunity knocks

Opportunities for development in Brazil and Latin America

Upgrading & refurbishment

36

Breathing new life into older projects

New equipment, re-imagining project functions, and tackling sedimentation are all helping to extend project lifespans

39

The role of epoxy coatings

Exploring the role that epoxy coatings play in the hydropower industry and the benefits they provide.

Climate change mitigation

40

Action is needed now

Timely mitigation measures are crucial in the fight against climate change. Action is needed now in the water sector as impacts are being felt worldwide, writes Sue Pritchard

44

No tinkering at the edges

Climate change is putting the squeeze on pressurised water supplies in England and underpins the need for long term plans, such as new reservoir construction, that can help build future resilience

Design

47

Design a dam

The City of Houston is working to find a favourable and affordable design for the Lake Houston Spillway Dam Improvement Project in Texas