Cover Story

How addressing the gender imbalance across the water and power industry's workforce could help to tackle chronic skill shortages in the industry

5 World News

Dams a must for water, food, energy security, says WAPDA Chairman; expedited hydro licensing process in US as FERC issues final rule

10 Spotlight

Major contracts awarded for work on the Snowy 2.0 pumped storage project - a 2000MW expansion of the Snowy Mountain Hydroelectric Scheme

Classified

50 Contacts

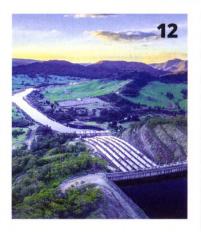
features











Pumped storage

12 A game changer

A flood of pumped storage proposals have washed over Australia in recent years,

16 **Developing pumped** storage in the US

Rye Development in the US is pushing ahead with pumped storage schemes in the states of Oregon and Washington

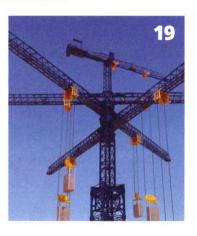
19 Global atlas finds significant pumped storage potential

Details on a world-first comprehensive global atlas of potential pumped storage sites developed by ANU

Planning & projects

20 Life extension

New electric generators from Danfoss Editron help extend the life of Siikakoski plant in Finland



22 Seismic safety evaluation of large dams in Switzerland: lessons learned

The processes undertaken and the lessons learned following a reassessment of the earthquake safety of all large dams in Switzerland

28 Paradigm shift for sediment management

How can sediment management be improved basin wide?

Refurbishment

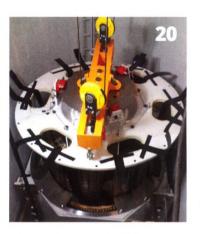
New additions from old installations

Refurbishment work is adding extra capacity to existing hydropower sites across the alobe

Modelling

34

Hydro-mechanical equipment design: making use of modelling



The use of specialised 3D Modelling and Finite Element Analysis for hydro-mechanical equipment design

36 Moving toward a proactive paradigm

Flood modeling software studies the effectiveness of the New Drainage Master Plan for Lisbon Municipality

Women in water

38 How to bridge the gender gap

Suzanne Pritchard reports on a number of initiatives that could encourage more women to join the industry, helping to tackle chronic skill shortages that are likely to increase in the future

42 It's not just men, maths and hard hats

Are women in the hydropower industry treated any differently to their male colleagues? We asked women in high profile positions to share their views