### **Cover Story**

Construction of Snowy 2.0, a pumpedhydro expansion of Australia's Snowy Mountains Scheme, is well underway, with tunnelling about to begin.

### **5 World News**

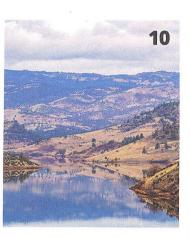
Partners sign agreement that updates plan for Klamath River dams removal; New publication offers guidance on responsible resettlement

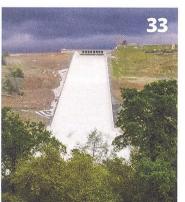
## 10 Spotlight

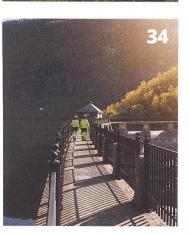
A landmark initiative has brought together opposing sides of the US hydropower industry and the environmental community 46
Classified

50 Contacts

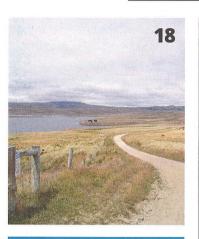
#### features











### **People**

People on the move

IWP&DC reports on recent
appointments in the industry

# Spotlight 12 Progress report

New report explores hydro's role in delivering a renewable and flexible power system

### **Australasia**

**14** Tunnel vision at Snowy

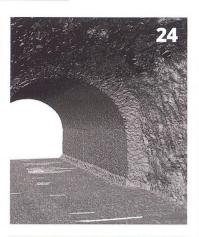
An update on project progress

# **18**Pumped storage in New Zealand

Discussing pumped storage potential in New Zealand

### **20** Challenging times

Round-up of developments, including news from New South Wales, Tasmania and the Murray-Darling River Basin



# Operation & maintenance

**24** Complex engineering challenge

The importance of inspections and maintenance for tunnels

# New development opportunities 28

The Carruthers Waterwheel

Details on the development of the first waterwheel to be patented in 138 years

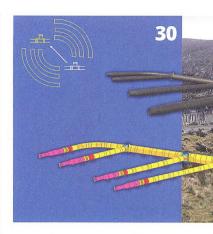
## **30** Evolution of the digital twin

An insight into the evolution of the digital twin technology

## Safety

# **33** Addressing safety concerns

FERC has been prompted to update hydropower safety regulations



## **34** Projects go digital

Digitalization programmes are being carried out on a number of projects globally

### **Training**

**36**Training to empower and engage

Helping to build essential job skills, and grow expertise within the hydropower sector

## **Climate change**

38

Blue gold: The social impact of water volatility

The social and geopolitical impacts of water risk

### **Review of 2020**

40

### An unprecedented year

We probably all agree that 2020 has been an extraordinary year but how has the hydropower and dam industry fared throughout this global pandemic?