

regulars

Cover Story

Potain Lift Solutions was involved in a project to construct a dam and powerhouse at the new Julius Nyerere hydropower station in Tanzania.

5 World News

£20 million a year funding boost announced for tidal energy in the UK; FERC finalises hydropower safety regulations

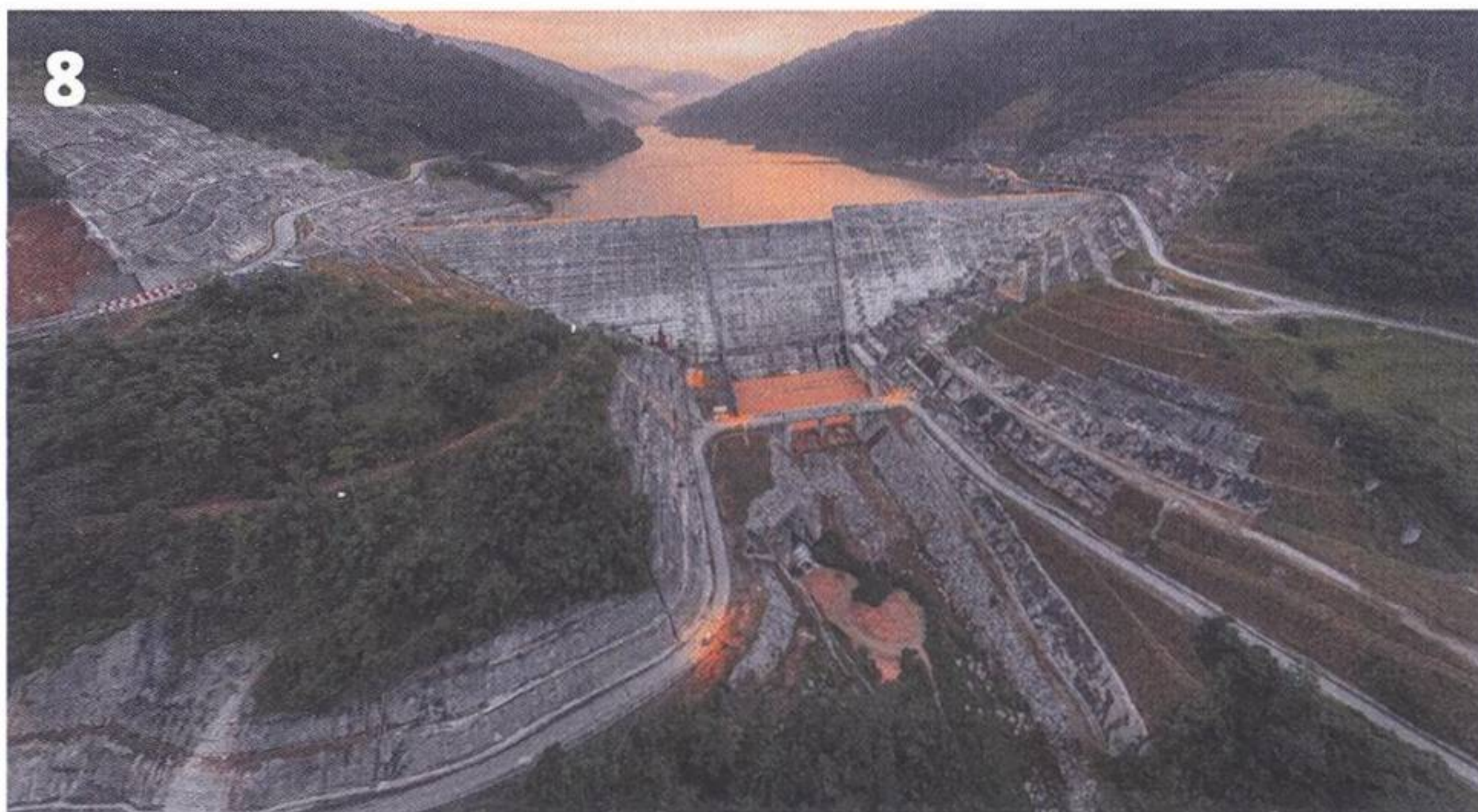
8 Spotlight

SMEC's Karen Atkinson discusses her work in the South East Asia region, and shares some of the key lessons learnt over her years working in the industry

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Women in hydropower

8 Never be afraid of a new challenge

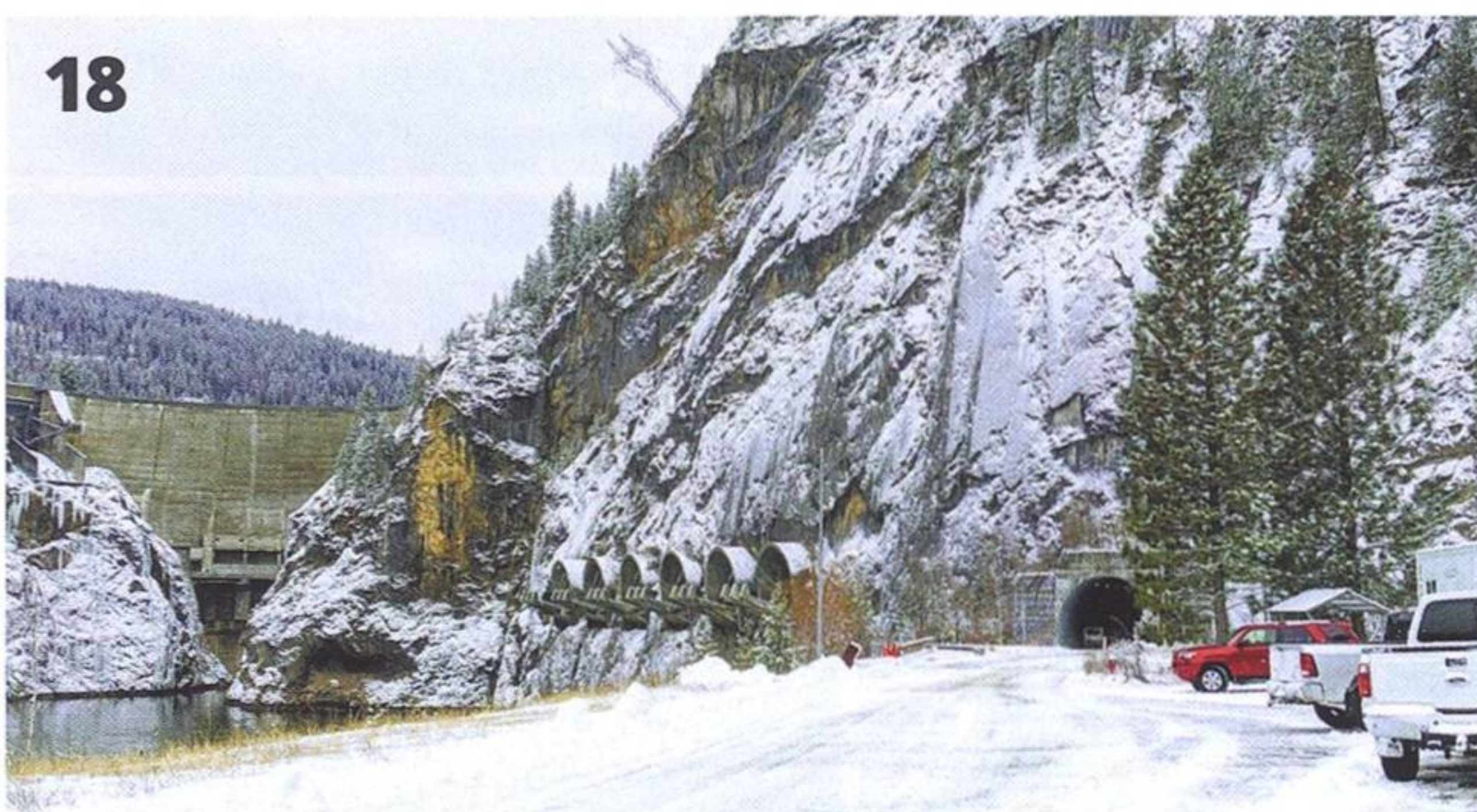
IWP&DC spoke with Karen Atkinson, SMEC's Deputy Chief Operating Officer for South East Asia, who has been elected to the board of the International Hydropower Association in the East Asia and Pacific region.



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10 Women in Welding

Women welders have gained valuable experience working on Ontario Power Generation's Little Long Dam Safety project in Canada.



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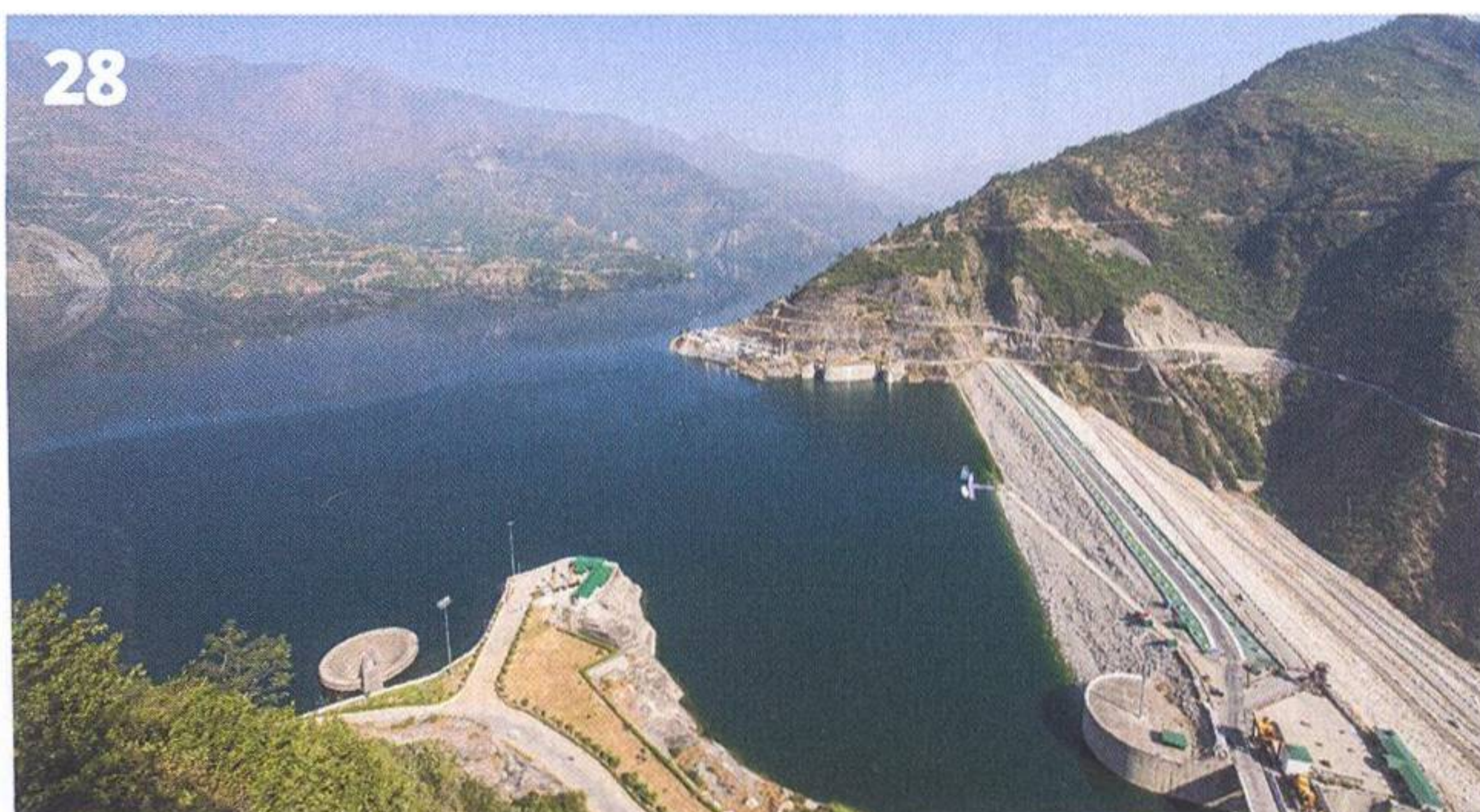
Construction

11 Tackling a challenging construction site

A joint venture between The Arab Contractors and El Sewedy Electric enlisted the help of Potain Lift Solutions for a challenging job constructing a dam and powerhouse at the new Julius Nyerere Hydropower Station in Tanzania

12 Construction breakthrough

TBMs have been breaking ground in Canada and Australia, while new research has focused on the tunnels at a Swiss dam



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Tunnelling

14 A royal success

Barhale has completed refurbishment of inlet and outlet tunnels at the Queen Elizabeth II reservoir in England

Modernisation

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Advanced fire suppression technology can help improve hydropower plant safety, writes Zack Almont of Victaulic, giving the example of a recent installation at Boundary Dam in the US

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The benefits of investing in modernisation efforts are becoming apparent industry-wide

24 Looking to FutureDAMS

New pragmatic tools have been developed for rethinking how river basins and power grids interact to jointly create societal benefits

Sediment Management

26 Satellite sediment management

HYPOS is a new toolbox that enables sediment management to be powered by satellite technology and helps hydropower planners and managers overcome the challenges posed by sedimentation

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Spotlight on Asia; planning and projects; new construction globally; guidance and tools