Africa

12Building on African potential

Tracking hydropower projects currently under development

16 Time for change?

Dr Quentin Shaw shares his experiences in the industry and comments on the development of dams in Africa

18 Making progress

The Lesotho Highlands Water Project Phase II is on track

20 High time

Climate change impacts are being felt more keenly by African countries that are sharing water resources for hydropower generation.

24 Failing African tailings

Following the failure of two more tailings dam, mining companies are urged to meet the Global Industry Standard on Tailings Management

Small hydro

26New hydro for South Georgia

New Gilkes turbine installed on the island of South Georgia

28 Investing in small hydro

Small hydro projects added to growing renewable portfolios

Engineering

30

Lessons learned from emergency concrete repair

The complexities of dealing with emergency repairs

32 Future fears

Review focuses on the lack of qualified UK reservoir engineers

Pumped storage

34 Tools at the ready

Tom Clegg reflects on the pumped storage landscaper

36 Dollars and developments

Spotlight on developments and investments

Planning & projects

40

Environmental focus

Research studies have been focusing on the environmental credentials of hydropower.

42 Meeting the challenges

With IRENA emphasising the importance of refurbishment, IWP&DC takes a look at some of the latest projects undergoing modernisation

44 Composite pipe repair system

Yusuke Nishi describes Belzona SuperWrap II, including details of various tests conducted on the system to comply with both ISO 248171 and ASME PCC-2 (Article 401)2, the two major international standards for composite pipe repair