



BRITISH TUNNELLING SOCIETY



Thursday 9th February 2023 at 18.00 hrs (GMT)

In-Person at

Institution of Civil Engineers, 1 Great George Street, London SW1P 3AA

Joint BTS/MinSouth meeting

Kidston Pumped Storage Project Queensland, Australia

Speaker

Clare Onal – *Mott MacDonald*



Kidston will be the world's first conversion of a gold mine into a hydroelectric pumped storage facility – setting a benchmark for similar conversions globally. The Kidston pumped storage project will be the first pumped hydro plant to be built in Australia since 1984.

This transformative project by renewable energy and storage company Genex Power will be the cornerstone of a renewable energy zone (REZ) that will provide clean, cheap and firm power to the area. The existing site comprises two gold mine pits with more than 100 years of operations. These pits will be converted into the top and bottom reservoirs for the Kidston pumped storage project. Significant underground infrastructure, including a large powerhouse cavern, waterway shafts and tunnels to allow the transfer of water between the reservoirs will need to be engineered.

This is an in-person lecture but will also be streamed live at: <https://youtu.be/qlUWm5ApV1E>

Tea & coffee will be served from 17:30 hrs onwards

Post-lecture drinks and food will be served at the newly reopened ICE bar

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This is a free event - advance booking not required

In case of any query please contact; societyevents@ice.org.uk

or e-mail: bts@ice.org.uk

or visit: www.britishtunnelling.org.uk