Snowy 2.0 project update

There are more than 300 people working onsite at Lobs Hole, with plenty of project activity underway.

As part of Snowy 2.0 Exploratory Works, a range of earthworks have been carried out at Lobs Hole to prepare the Main Access Tunnel portal, including several explosive blasts to help move large quantities of rock and soil. This is where a tunnel boring machine will be launched later this year to excavate the 2.6km tunnel leading to the Snowy 2.0 underground power station.

Two permanent concrete and steel bridges – one over the Yarrangobilly River and the other over Wallace Creek – have been built. The bridges are important for vehicle safety and to ensure the riverbanks and waterways are not impacted by traffic.

Road upgrades to improve access to, and around, the worksite that have been underway for 12 months are all-but complete. Leed Engineering has partnered with many local subcontractors including Withers Earthmoving (Tumut), Allspec & Partners (Tumut) and Cooma Cranes during the works.

The first small, temporary worker camp has been established at Lobs Hole, with the main camp now under construction. A number of accommodation modules have been delivered to site, so they are ready for installation.

Also under construction are tunnel boring machines (TBMs) that will excavate the Snowy 2.0 tunnels and line them with concrete precast segments. The completed

TBM (pictured) is coming from Germany and will bore the 11m-wide headrace tunnel at depths of up to 400m. The headrace tunnel will connect Tantangara Reservoir to the new Snowy 2.0 underground power station, and then the tailrace tunnel will then connect Talbingo Reservoir to the power station.

Offsite, another major milestone has been achieved, with NSW Government approval for the Main Works, after a comprehensive process which took almost 12 months.

Following one last environmental approval from the Federal Government, Main Works including the major tunnels, chambers, shafts and underground pumping power station, can commence construction.

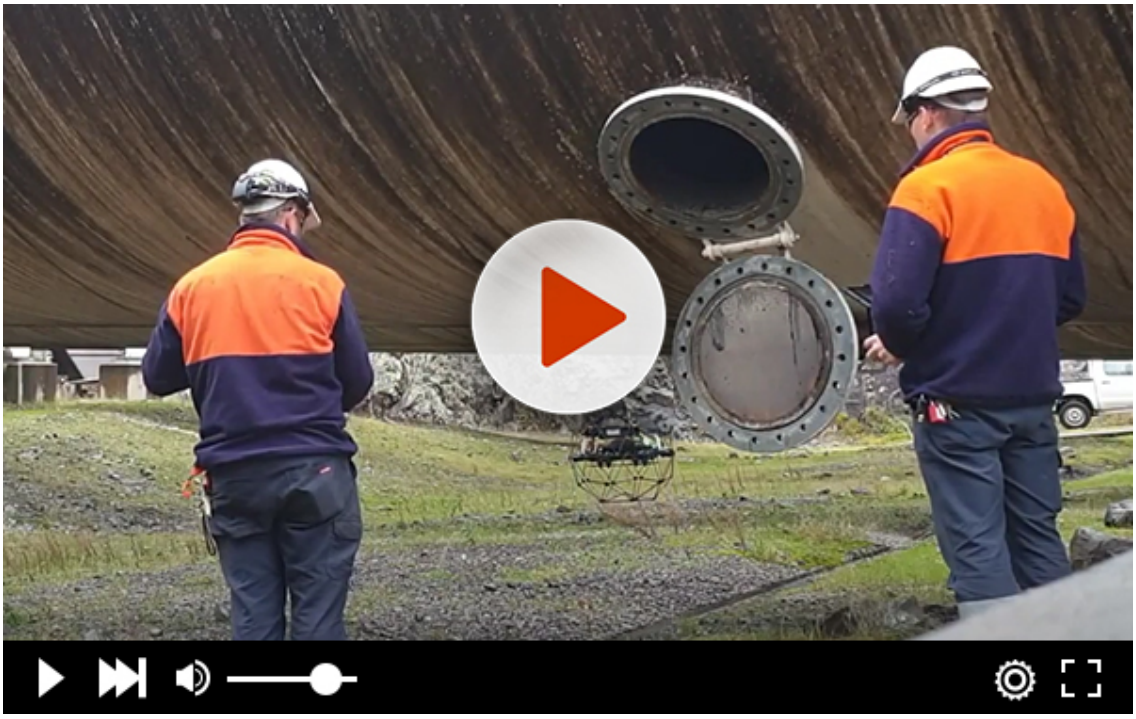
At Polo Flat, Cooma, construction of the new $55 million Snowy 2.0 concrete segment factory is cranking up, with earthworks in progress, and an access road and concrete foundations underway soon.

Once operational, the factory will employ 125 people, have an annual turnover of around $115 million and produce more than 130,000 concrete segments to line the 27km of Snowy 2.0 waterway tunnels.

The Snowy 2.0 principal contractor, Future Generation Joint Venture, will operate the factory and will be looking for people to fill roles that include truck and forklift drivers, machine operators, plant operators and administration. Visit futuregenerationjv.com.au to register your interest in a job on Snowy 2.0.

Manufacturing of the first tunnel segments is expected to start before the end of 2020.

The forefront of technology



Technology-enhanced processes and digital tools are utilised by Snowy Hydro to increase quality, improve standards and reduce costs, and most importantly, mitigate safety risks.

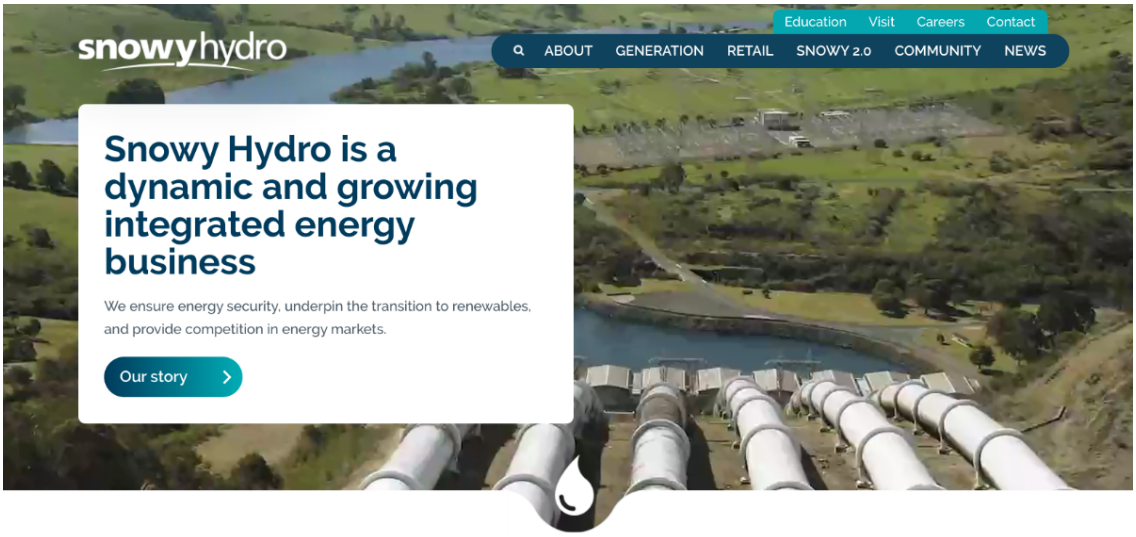
With so many of our critical hydro assets sitting below the waterline, it can be challenging to check their condition and make sure they operate as intended. Remotely Operated Vehicles (ROVs) are increasingly used for inspections in locations such as dam walls, power station intakes and tunnel outlets, which reduces the need for divers and boats entering waterways.

Snowy Hydro's use of remotely-operated aircraft, commonly known as drones, has also been expanded due to the ever-increasing capabilities of these systems.

The Elios 2, a collision-resilient, remotely-piloted aircraft, was recently purchased for use across all of our operations. It is ideally suited for remote inspections or hard-to-access areas such as confined spaces, to capture every corner and inch of our most complex assets, allowing them to be maintained in the best condition, while also keeping our people safe.

Watch the video to see the Elios 2 in action, during an inspection of a penstock at Tumut 3 Power Station.

Visit our website and connect with us!



Have you seen our new-look website? We've redesigned and updated the website to make it easier for you to access content and information. Jump online to find out more about Snowy Hydro's business across generation, retail and community.

You can also connect with us on LinkedIn and Facebook for regular updates and progress on Snowy 2.0.

Snowy 2.0 local business

We're proud to partner with the many Snowy Mountains businesses working on the Snowy 2.0 project. Meet James McMahon, whose team at Allspec & Partners in Tumut is providing surveying services and machine hire for Snowy 2.0. Check out the video to discover James' family connection to the original Snowy Scheme. Local businesses interested in working on Snowy 2.0 can visit the Future Generation Joint Venture website.

Looking for a job?

Come and join the Snowy Hydro team! There are a range of jobs available across our generation operations and the Snowy 2.0 project.

Applications can also be lodged for Snowy Hydro's 2021 apprentice and trainee intake until 30 June 2020. Open to local people across the Snowy Mountains, it combines paid, on-the-job experience with accredited vocational education and training.

To apply, visit the Snowy Hydro website, LinkedIn or the Snowy 2.0 principal contractor Future Generation's website.

Renewable Red energy for Macquarie Uni

Red Energy has signed a seven-year contract with Macquarie University to provide 100% renewable sourced electricity for its North Ryde campus.

Starting from next month, Macquarie University will purchase approximately 54,422 MWh of energy from Red each year, helping to reduce the University's total greenhouse gas emissions by 92 per cent.

Snowy Hydro's contracted wind and solar generation enables Red to supply Macquarie University with reliable, matched renewable energy.

In addition to helping Macquarie University reduce its environmental footprint, the Red deal also gives Macquarie University students the opportunity to work with experts from Snowy Hydro's trading team on research and energy forecasting projects.

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