

PROJECT UPDATE Te Whare Wai Para Nuku Moa Point Sludge Minimisation Facility

June 2025



News & Progress

It's an exciting time on site as crews continue to make excellent progress across Te Whare Wai Para Nuku and international equipment arrives on site, the latest being the thermal drier equipment from Germany.

As we await more international equipment, works on internal and external structures and systems continue to be commenced and completed in line with the management plan designed for maximum efficiency.

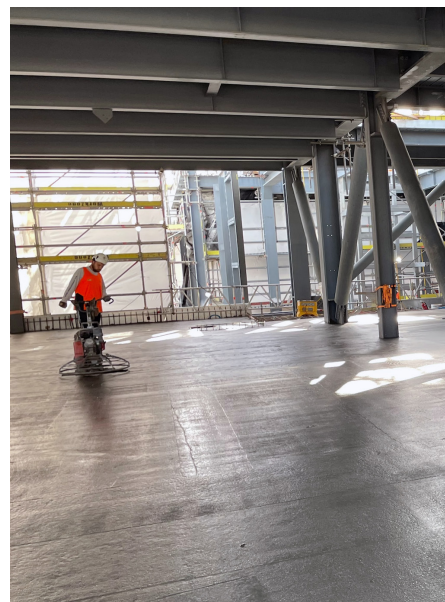
All the primary structural steel is now in place on the Main Process Building, the purlins or beams for the roof are 70 per cent installed. Scaffolding is up to roof level and the building is wrapped to protect it from the elements while the protective coating is applied. All this in readiness for the pre-cast concrete and installation of the Kingspan facade of the building.

Inside, all four floors have now been poured, and work is underway building the interior walls to create the various divisions that are planned to come off the main hall, such as the control room and switch room. The lift shaft and stairs to the top floor have been completed and fire suppression systems are currently being installed.

Meanwhile, crews are working on the Moa Point Wastewater Treatment Plant access road, bringing the main electrical feed down into the Main Process Building. The new feed will supplement the energy that Te Whare Wai



Above: Construction on the Main Process Building continues at pace as the 'purlins' or roof beams are put in place.



Above: The concrete floors inside the Main Process Building are polished ready for equipment to be installed.

Para Nuku generates from its own biogas to help run critical systems. All four odour treatment tanks (biological and carbon scrubbers) are being installed on their concrete plinths. Work is now underway on constructing the building that will house the large fans that suck untreated air from across the facility through a network of large fibre glass pipes that discharge into the odour treatment plant.

On the southern side of the site, the protective coating on the insides of the two anaerobic digester tanks is now complete. Work continues constructing the plinths and pads that will support the pumps.

Up the hill from the worksite another team is continuing to work on building the new pipe corridor and connections that will transport sludge from the Moa Point Wastewater Treatment Plant down to the new facility.



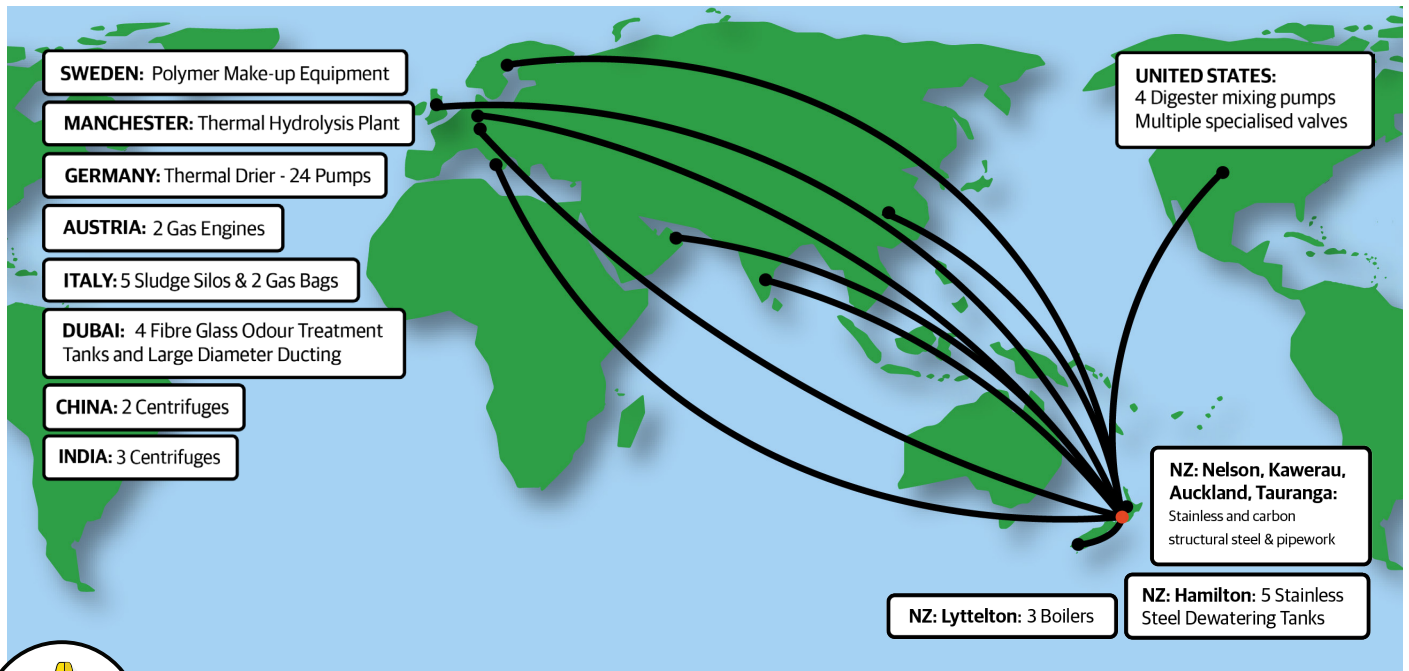
The Best From Around the World

A priority for the project is to source materials, equipment and services locally wherever possible.

We have also searched the world for

the highly specialised equipment that we need to deliver the innovative new process facility. This procurement process involves contacting multiple organisations

around the world to identify not only the right technical solutions, but also to ensure they can provide us with installation, commissioning and maintenance support.



Action Coming Up Onsite

From July, the pre-cast concrete and Kingspan facade will start to be installed on the Main Process Building - piece by piece from the bottom up, behind the protective enclosure of the wrap.

Towards the end of the month, work will start putting the roof in place. Inside, work will start installing the process pipework in the boiler room and the rails for the gantry structure. At the odour treatment site, work will get underway installing the 1m diameter fibre glass pipes that feed untreated air from across the facility into the biological treatment tanks and the carbon scrubbers. The team is busy unpacking and finding room for the thermal drier that arrived at the end of June from Germany in 16, 40-foot containers. Meanwhile, the thermal hydrolysis 'pressure cooker' at the heart of the whole treatment plant will commence its journey to New Zealand by ship from the United Kingdom and we expect it to arrive in September.



Above: The new Thermal Drier parts from Germany being unpacked.

Video update

Scan the QR code to watch the latest timelapse video of progress onsite.

