

**Avertana**  
Auckland, New Zealand



**SERVICES**

Avertana's R&D suite includes the following equipment and facilities:

- Large hydrometallurgy wet lab.
- Flexible, PLC-controlled pilot bay for sulphation, crystallisation, and product recovery.
- Multiple kilns, ovens, and furnaces for product drying and calcining.
- Microscopy and crystallography.
- A pre-commercial process demonstration plant in 1,100m2 warehouse.
- Analytics suite including XRF, XRD, particle size analysis, colour machine,
- Access to advanced analytical services through New Zealand Universities and Crown Research Institutes network.

Avertana is not a contract research provider but from time to time they work on collaborative projects with other commercial and research organisations.



**ABOUT**

Avertana is a New Zealand process technology company that has developed a patented waste-to-value platform to convert titanium-bearing slags from the steel industry into valuable industrial minerals and chemicals, with minimal residual waste. The Avertana process offers a lower cost path to titanium dioxide (TiO2) pigment, its primary economic product, with a smaller environmental footprint than the traditional sulphate and chloride routes.

The company's primary focus is the realisation of its technology at commercial scale, followed by worldwide deployment working alongside industrial partners.

Avertana has demonstrated its process at laboratory, pilot, and pre-commercial plant scales, with a pipeline of projects under development. Originally developed for ironmaking slag made from domestic VTM mineral sands, the Avertana process has now been trialled on a range of slag compositions from steel mills internationally.

The company employs a diverse, multidisciplinary team of technical and commercial specialists, including process engineers, analytical chemists, biotechnologists, project development and intellectual property executives.

**EXPERTISE**

The company's core areas of expertise include hydrometallurgy; TiO2 chemistry and hydrolysis; process technology design, development and scale-up; R&D and IP commercialisation; analytical chemistry; industrial product development; project origination, development, and management.

Avertana's Engineering team has experience drawn from multiple industries across the entire technology scale-up pathway, from laboratory proof-of-concept trials, through piloting and design, to full-scale commercial plant commissioning.

The Avertana leadership team includes experienced executives from process technology, chemical and metallurgical engineering, heavy manufacturing, chemicals distribution, resource project management, business development and corporate finance backgrounds.



**MORE INFORMATION**

Website: [www.avertana.com](http://www.avertana.com)

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