

# Greensteel Australia and Danieli Partner to Build World's First Green Hydrogen-Powered Steel Mill

October 29, 2024



**Greensteel Australia, a leading green steel producer, and Danieli, a global leader in steelmaking technology, have announced a groundbreaking partnership to build a 600,000-tonne-per-year rolling mill powered entirely by green hydrogen.**

This state-of-the-art facility, to be located in New South Wales, Australia, will set a new global standard for zero-emission steel production. [Danieli](#) will provide its advanced technology and expertise to ensure the mill's efficient and sustainable operation.

"It's inspiring to partner with [Greensteel Australia](#) on this world-first hydrogen-powered rolling mill. Greensteel Australia's commitment to clean, sustainable steelmaking is leading the industry toward a greener future. We're thrilled to support their vision with our technology and work together to set a new standard in zero-emission steel production", said Danieli Group's CEO, Mr Giacomo Mareschi.

"At Greensteel Australia, we're proud to partner with Danieli on this groundbreaking project. By using 100% green hydrogen, we're not just building a new rolling mill, we're setting a new example for clean steel production. This project shows our commitment to making steel in a way that's better for the environment and for future generations", said Green Steel Australia's President, Mr Mena Ibrahim.

The new mill will feature a reheating furnace powered by green hydrogen, eliminating NOx emissions and reducing reliance on fossil fuels. It will produce rebar and spooled coils for the Australian construction market, utilizing advanced technologies like Danieli's sixth-generation horizontal billet welding technology and a six-pass Fast Finishing Block.

By combining cutting-edge technology with sustainable practices, Greensteel Australia and Danieli are paving the way for a greener future for the steel industry.