



SWEDEN

Accelerating green innovation in steel

John Laing has entered an exciting partnership with Stegra (formerly H2 Green Steel) and Aquatech to develop the water treatment plant (WTP) required to help operate what will be the world's first large-scale green hydrogen steel plant.

Stegra aims to accelerate steel decarbonisation by using green hydrogen – hydrogen produced by renewably powered electrolysis. To date the project has secured about €6.5 billion of funding for a large-scale green steel plant in Boden, Northern Sweden. The site will produce steel with up to

95 per cent lower CO₂ emissions compared to steel made with traditional coke-fired blast furnaces. The plant will produce 5 million tonnes of green steel annually by 2030.

The WTP will supply demineralised water to the plant's electrolyzers as well as purified water for system cooling. In addition to treating wastewater from the steel mill with near-zero liquid discharge to preserve biodiversity, the WTP is powered entirely by renewable energy.

This significant, long-term investment strengthens John Laing's position as the first sole sponsor and equity investor in critical ancillary infrastructure services for a large-scale green hydrogen steel plant.

