

CASE STUDY

Decarbonising haulage in North Queensland - Ark Energy

Ark Energy's SunHQ Hydrogen Hub, located within the precinct of sister company Sun Metals Corporation near Townsville, is on track to help decarbonise haulage in North Queensland.

Phase 1 of SunHQ involves a 1 megawatt proton exchange membrane (PEM) electrolyser that will produce renewable hydrogen from a behind-the-meter connection to the co-located Sun Metals Solar Farm. Hydrogen compression, storage and refuelling facilities will be located adjacent to the electrolyser.

The project is supported by up to A\$8 million under the Hydrogen Industry Development Fund, A\$6 million from the Australian Renewable Energy Agency and A\$12.5 million from the Clean Energy Finance Corporation.

SunHQ will enable sister company Townsville Logistics to decarbonise its heavy vehicle fleet operating between the Sun Metals Zinc Refinery and the Port of Townsville, and have additional capacity to supply renewable hydrogen to third-party customers to support their transition to a low carbon future.

Scheduled to commence operation from late 2024, SunHQ will be one of the largest fully integrated, renewable hydrogen production and refuelling facilities in Australia.



Image credit: Ark Energy