Challenge: Finding a Reliable Alternative to Offset Diesel

Traditionally, remote industries, such as mining, have relied on diesel generator facilities to power their infrastructure. However, environmental and economic concerns over this reliance on fossil fuels, led to a search for an alternative to transported diesel.

Solution: NX Horizon Self-Powered Tracker

The solar energy generated by Nextracker’s self-powered rows is able to provide a clean, renewable, and reliable alternative. Due to the energy production from NX Horizon solar trackers, the DeGrussa Mine now offsets 1.3 million gallons (5 million liters) of diesel fuel per year, contributing to a steady stream of clean energy and cost savings.

Result: Clean Energy Offsetting Fossil Fuels

Along with the energy boost provided by NX Horizon’s 120° rotational tracking range, Nextracker’s advanced solution includes a self-powered drive system with integrated backup power. This allows for greater autonomy and cost savings compared to other trackers that require AC wiring. Since NX Horizon’s self-powered rows eliminate the need for AC wiring, Nextracker offered a simplified, easier-to-construct solution to the secluded, far-off location of this Australian mine. Joining the growing number of mines powered by renewable energy, the Degrussa Copper and Gold Mine project shines as a leading example, one that will help drive further advancements in energy supply for remote industries across the globe.