KWINANA PRIMARY DATA CENTRE

CLIENT: SYNERGY

The Kwinana Primary Data Centre project saw Nilsen (WA) Pty Ltd deliver the electrical and communications infrastructure for Synergy at the Kwinana Power Station site in Naval Base, WA. The new facility was set up to monitor and control operations across four major sites: Kwinana Power Station, Cockburn Power Station, and the KBESS1 and KBESS2 battery storage systems.

Our electrical work included supplying, installing, testing, and pre-commissioning all power and distribution systems needed for high reliability. This covered everything from site power distribution and lighting to main and distribution switchboards, complex earthing, and the tying in of high-capacity UPS units, backup generators, fuel systems, and load banks.

For the communications scope, we delivered the complete underground infrastructure package, including an extensive network of conduits, ducts and pits across the site.

All work was done to meet Australian Standards, Synergy's requirements, Western Power standards, and strict environmental and safety rules. Nilsen followed detailed quality assurance processes, including Inspection and Test Plans, factory test verification, and pre-commissioning checks, to ensure that all systems integrate smoothly and support the long-term security of WA's critical energy assets.