

Geotechnical Evaluation, Compliance Audit and Contamination Removal

Kleinfelder was initially engaged by Signal Energy Australia at their 170MW Finley Solar Farm to provide geotechnical investigation, detailed design and construction supervision of pile load testing and installation. However, as the project progressed, Signal Energy turned to the Kleinfelder team for post-approval compliance and contamination assistance to manage the environmental obligations of the project.

PROJECT RESULTS

Kleinfelder's partnership with Signal Energy for a number of services ensured the Finley Solar Farm project ran to plan and that unforeseen asbestos contamination was dealt with professionally and competently, without causing any detriment to the overall completion of the project.



GEOTECHNICAL INVESTIGATION AND DESIGN

Kleinfelder's geotechnical specialists conducted an investigation of the project site, including in-situ resistivity and pile load testing. Preliminary and detailed piled foundation designs for solar array piles were optimised to ensure economies of scale were delivered for the solar farm. Construction supervision of pile installation and inverter foundations, led to sign-off by a Kleinfelder certified geotechnical engineer.

ENVIRONMENTAL COMPLIANCE SERVICES

In their site-based role as Environmental Representative, Kleinfelder provided complementary environmental services to ensure project compliance with Regulator- and Owner-specific conditions during project implementation.

CONTAMINATION REMOVAL SERVICES

When unforeseen buried asbestos was discovered during construction, Kleinfelder's Contaminated Land Management team adopted the role of Principal Contractor and acted swiftly to provide a detailed investigation, assessment and removal of asbestos contamination to protect the health of construction workers and the general public.

Location:
Finley, NSW

Owner:
Signal Energy Australia
Pty Ltd

