

ESG solutions

Driving global excellence in sustainable resource management

Capability Statement January 2024

ESG Solutions for sustainable and responsible operations

Acquisition, development and optimisation

Xenith provides solutions that ensures sound ESG strategies, projects, statements, reports, and risk management.

Our solutions are delivered by our experienced team who use a principles-based approach while drawing on our technical excellence.

We partner with you to navigate complex ESG strategies, ensuring compliance, while focusing on carbon reduction, climate risk management, and robust social impact measures including community engagement, human rights in supply chains, diversity, and inclusion for global sustainability.

Our future-facing and international vision, coupled with our core earth science and engineering expertise, ensures data quality enhancement, allowing decisions and investments to be based on reliable information.



Our team delivers the following core solutions within our ESG projects scope:

- > ESG strategy advice
- > ESG regulatory advice
- > Climate risk assessment
- > Carbon credit models
- > Carbon credit generation (domestic and international)
- > TCFD, ISSB, sustainability standards advice
- > Emissions reduction fund advisory and registration
- > Decarbonisation strategy and advice
- > NGER / safeguard mechanism assistance and advice
- > Digital solutions

Our team, when required, utilises specialist technical environment services through trusted associates, ensuring a single consultancy interface for our valued clients.

Xenith's technical team and associates have extensive experience in delivering ESG – carbon project design, reporting and strategies across the following market sectors:

- > **Mining**
- > **Oil and gas - LNG**
- > **Renewables**
- > **Manufacturing**
- > **Waste management**
- > **Aerospace**

Impact on community

Our dedication to integrity and clarity is central to our mission of forging a brighter, more inclusive and more sustainable future for all stakeholders through innovative, knowledgeable and ethical practices.

Our approach to ESG is to achieve a prosperous, engaged and environmentally sustainable society through meaningful community engagement, supply chains which observe basic human rights, measurement and management of social impacts as well as diversity and inclusion.



Project spotlight

Xenith was engaged to undertake a fugitive emissions estimate and a concept study to identify solutions to reduce Scope 1 emissions for one of the largest open cut coal mining operations in Australia. The study was undertaken by a multidisciplinary team comprising gas specialists, geologists, mining engineers and business analysts.

It was completed in compliance with NGER's (National Greenhouse and Energy Reporting) requirements and included geological modelling of 11 gas boreholes. Coal seam gas onsite power and other flaring options were designed and cost modelled. Scenarios with various gas drainage drillhole spacing and seam gas utilisation (flaring, transportation, power generation) were modelled to allow a reduction of the open cut mine Scope 1 emissions. A data check process was undertaken to ensure accurate and reliable data was available to the client for their investment decisions, as part of the company's decarbonisation strategy.