

GEN-CAT™ (GENESIS CARBON ASSESSMENT TOOLS™)

In a rapidly evolving market, our suite of Carbon Assessment Tools provide context and clarity to our clients in the drive towards sustainable energy solutions.

HOW WE CAN HELP

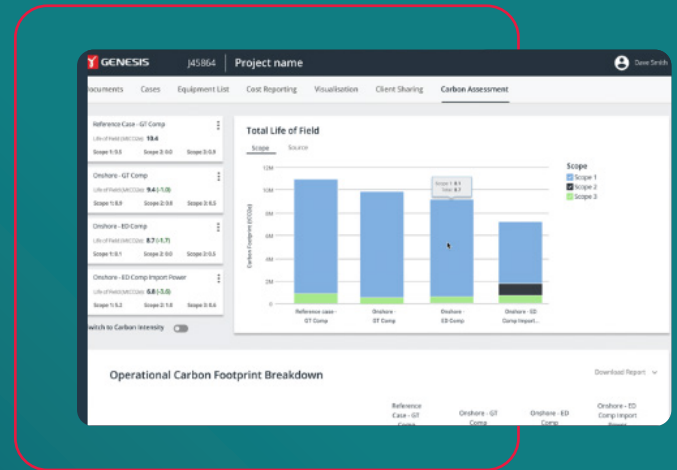
Gen-CAT™ quantifies both direct and indirect emissions associated with procurement (embodied carbon), local and global logistics, installation, and life of field operation to generate differentiating carbon impact metrics. Estimates are based on the methodology outlined in the Greenhouse Gas (GHG) Protocol.

Gen-CAT™ allows stakeholders to make informed decisions regarding emissions during the early stages of development and optimise minimisation opportunities for existing assets. With in-built metrics to support decision making, but flexible parameters Gen-CAT™ is applicable through all project phases.

Integration between our engineering, environmental and estimating teams and use of our proprietary tools, including Gen-CAT™ and Asset Development Evaluation and Planning Tool (ADEPT), allows us to rapidly generate realistic and cost-effective measures to address a project's environmental and social challenges.

HOW WE ADD VALUE

- Increase your company/project appeal to external investors by quantifying your commitment to carbon reduction,
- Gain early clarity on emissions risks and opportunities for mitigation,
- Identify cost-effective operational fixes,
- Reduce project recycle costs and increase sustainability by selecting low-cost, low carbon design and carbon reduction strategies.



OUR SERVICES

- Rapid identification of key GHG contributors over project life,
- Quantification of contributors to both direct and indirect emissions,
- Evaluation of carbon intensity of existing and future assets,
- Incorporation of production profiles and equipment turndown to generate accurate annual emission forecasts,
- Transparent, auditable inputs, calculations, and outputs,
- Benchmarking of existing assets,
- Comparative carbon footprint metrics to support portfolio prioritisation,
- Support global drive towards net zero emissions master planning.

Early clarity on carbon footprint drivers

Calculations in line with the GHG Protocol

Comparative metrics to support concept selection

Scope 1-3, contributor and annual emissions breakdown



CASE STUDY

C02 Reduction

VIEW



CAPABILITIES

Carbon and Energy Management

VIEW



SERVICES

Digital and Agile Services

VIEW

