

ENERGY INTEGRATION

Connecting energy assets to the next infrastructure need.

Power. Resilience. Existing-asset interfaces.

AVENOR brings energy infrastructure into the complete project solution. We coordinate specialist input across power supply, resilience and connections to shore-based or offshore assets, including opportunities around existing oil and gas developments.

Define the power requirement

Translate the compute and auxiliary loads, availability needs and operating profile into a clear supply requirement. Coordinate the assessment of source capacity, quality, protection, metering, distribution and connection responsibilities.

Design resilience into the delivery plan

Assess redundancy and backup options with qualified technology and engineering partners. Align equipment, control interfaces, fuel or energy availability, maintenance and restoration plans with the required service level.

Qualify brownfield opportunities

Review available power and fibre, asset integrity and remaining life, permitting, physical interfaces, access and operating constraints. Keep industrial control systems and data workloads appropriately separated. Reuse is a project-specific decision, supported by engineering and commercial assessment.

Connect the packages

Coordinate utilities, asset owners, engineering partners, cable suppliers, marine contractors and operating teams around one agreed interface plan. Integrate testing and commissioning with the complete data-infrastructure system.

Start with the existing asset

Share the location, load and capacity information, available drawings, operating-life assumptions, network position and constraints. We identify the studies and specialist packages needed to establish the opportunity.

Turn a complex interface into a defined delivery scope.