

## EQUIPMENT MODERNIZATION PROJECT PRIORITIZATION & PLANNING

Location: Offshore - South East Asia

Solar Turbines has a customer in Asia with dozens of offshore platforms in the South China Sea. In total, the customer owns and operates a fleet of 56 Solar® gas turbine units.

The customer fleet grew steadily over the last four decades as new oil and gas discoveries were made and exploration activities accelerated. As a result, the customer fleet is currently comprised of a wide variety of Solar equipment models, application types and vintages.

A diverse Solar equipment profile can often make the process of equipment life cycle management a rather complex endeavor to undertake alone.

To assist, Solar Fleet Assessment Services (FAS) was hired to conduct a thorough physical inspection of all the installed Solar turbomachinery equipment. The goals of the assessment were to baseline the equipment condition and identify all the risks in order to improve overall fleet safety, reliability and life-cycle management. The results of the FAS surveys and data analyses became the basis for the customer's reinvestment initiative for the entire oil and gas field.

Over a series of in-depth workshops, FAS and the customer collaboratively developed a concrete and executable reinvestment strategy aimed at addressing the customer's aggressive objective of complete field rejuvenation by 2015. The proposed solution was a combination of several refurbished units and a wide range of package system upgrades.

By addressing customer needs from a fleet perspective, FAS was able to offer pragmatic solutions that dramatically improved standardization of the customer's fleet which, in turn, significantly reduced service parts inventory requirements and greatly simplified operator training.

The success of the FAS project was predicated on complete support and engagement across the whole Solar organization, from the local sales force in Asia, to the US-based application engineering team, to the implementation of a new regional project management and commissioning support structure for smooth execution in the customer's time and space.

For more information on how Solar Fleet Assessment Services can provide intelligent, cost-effective equipment optimization and refurbishment solutions for your Solar fleet, please contact your local Solar Sales Account Manager.

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FLEET ASSESSMENT SERVICES