



## Case study

# Remote digital solutions to improve performance on an offshore gas platform

### Components included:

- Filter change advisory
- Water wash optimization
- Gas turbine setup optimization
- DLE health status
- Gas turbine operating profile
- Centrifugal compressor operating point optimization
- Health index
- Spinning reserve

In 2019, in the framework of a long-term service agreement (LTSA), Petronas Carigali expressed an interest in creating a digital package to optimize operation and improve performance of its Resak gas production platform, 135 km offshore Kertih, Malaysia.

This project was an ideal match with our iCenter Advanced Digital Services, as it would require comprehensive capabilities: remote monitoring, analytics, data infrastructure, reinforced intelligence-based tools, and technical expertise.

The Carigali team presented us with a set of diagnostic and optimization challenges with specific requirements for detection, prescriptive capabilities, user-interface experience, and connectivity.

We delivered a complete set of applications that met all aspects of this challenging project. Our iCenter team collaborated with the customer using an agile approach to ensure the applications met all their operational needs. The final suite of customized web-based tools was ready in a few weeks, giving the Petronas Carigali onshore team and platform crews, as well as our iCenter support personnel, 24/7 insights on equipment parameters, and real-time ability to optimize overall performance.

The solution has enabled Carigali to reduce maintenance activities on auxiliaries and balance of plant, freeing up extra production days for the platform.