



Technical excellence: delivered

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**Alderley**



# Case Study

Project Type: FPSO Redeployment



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## Introduction

Our client is one of the largest FPSO leasing companies in the global FPSO market, operating in West Africa, South East Asia, the Americas and Europe.

They design and construct FPSO vessels, before leasing them and providing operations and maintenance services.



## The Challenge

Our client was undertaking an FPSO redeployment project in Singapore to convert and extend the life of an existing vessel.

As part of this project, the vessel's cargo valve control system needed to be refurbished and commissioned within a tight deadline.

With the old systems being manufactured in 1991, there were several complexities in upgrading them to meet current requirements, such as delivering an enhanced performance while ensuring fit with the existing space and weight limitations.

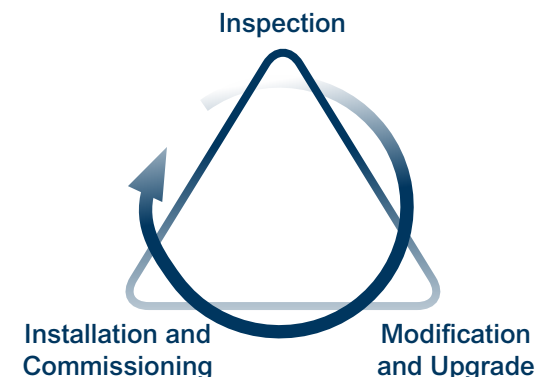
## The Solution

Utilising our specialist FPSO Project Team, in conjunction with our local resource partners in Singapore and back-office engineering team in the UK, we were able to effectively design, develop and implement the right engineering solutions to meet this challenge.

Our experienced inspection team surveyed the original system, generating a detailed inspection report and producing the scope of work for the system upgrade and refurbishment.

Overcoming the challenge of parts obsolescence, our procurement team worked closely with our global supply chain to identify the best quality substitutes at the most competitive prices.

Although there were additional challenges with COVID-19, SMS offered a full turnkey solution; comprising of design, engineering, project management, component supply, upgrade and refurbishment, and installation and commissioning - completed safely and securely.



## The Results

Our client was extremely pleased with SMS' ability and flexibility to complete all system upgrades on time, contributing to the world's fastest brownfield FPSO modification and redeployment project in just under a year.

Our commissioning team remained on-board the vessel as it sailed to West Africa to complete the system commissioning.

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for more information

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