



**CHAOS™ Simulation Exercise
Delivers Operational Excellence**

a better **learning** experience



MAERSK
TRAINING

Simulation exercises train crews to handle adversity

The Challenge – Operational Safety

With respect to BP's offshore drilling operations, they identified that in order to achieve safer operations, they would require global uniformity for their well programs, procedures and execution of well site operations.

The Solution – Enhanced Preparation

A Combined Human And Operational Skills (CHAOS™) training program with realistic, immersive simulations was introduced to improve consistency of execution and behavioural response to incidents. The CHAOS™ program integrates theoretical instruction with hands-on simulation.

Maersk Training instructors collaborate with BP well operations personnel to replicate the offshore

working environment. Scenarios are developed to test crews technical and non-technical skills in normal and abnormal conditions. This includes potential challenges a crew may encounter to ensure they are able to handle them successfully and safely.

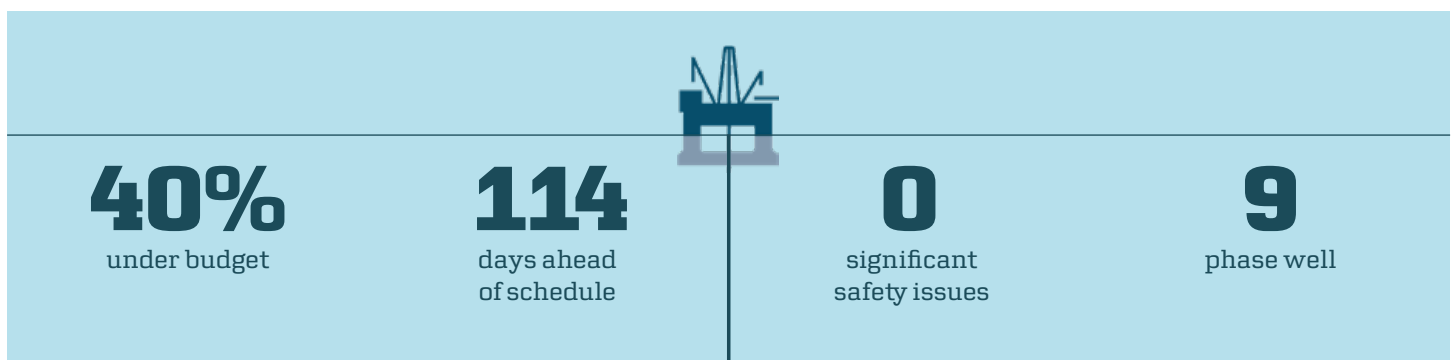
Through BP's partnership with Maersk Training, both employees and contractors train on lifelike, state-of-the-art simulators that can replicate nearly every critical job on an offshore drilling rig. The simulation facilities can customize exercises so offshore teams can practice scenarios relevant to specific wells, and to prepare for a wide range of possible contingencies.

The Results – Improved Performance

BP has correlated multiple well operation successes directly back

to the training programs they run with Maersk Training. One rig crew that completed the CHAOS™ program was working a 9 phase well in the Mediterranean when the crew encountered a significant downhole event. By the crew's own acknowledgement, they were able to safely control the event more effectively because they had recently practiced a similar scenario during their simulation exercises at Maersk Training. Most importantly, the rig crew completed the well with **ZERO SIGNIFICANT SAFETY ISSUES**.

Additionally, BP also correlated completing the well 40% under budget and 114 days ahead of schedule due to the simulation exercises.



SOURCES

<https://www.bp.com/content/dam/bp/en/corporate/pdf/about-bp/us-economic-impact-report.pdf>

<https://www.bp.com/en/global/corporate/sustainability/safe-operations/case-studies/virtual-reality-prepares-drilling-teams-for-real-life-challenges.html>