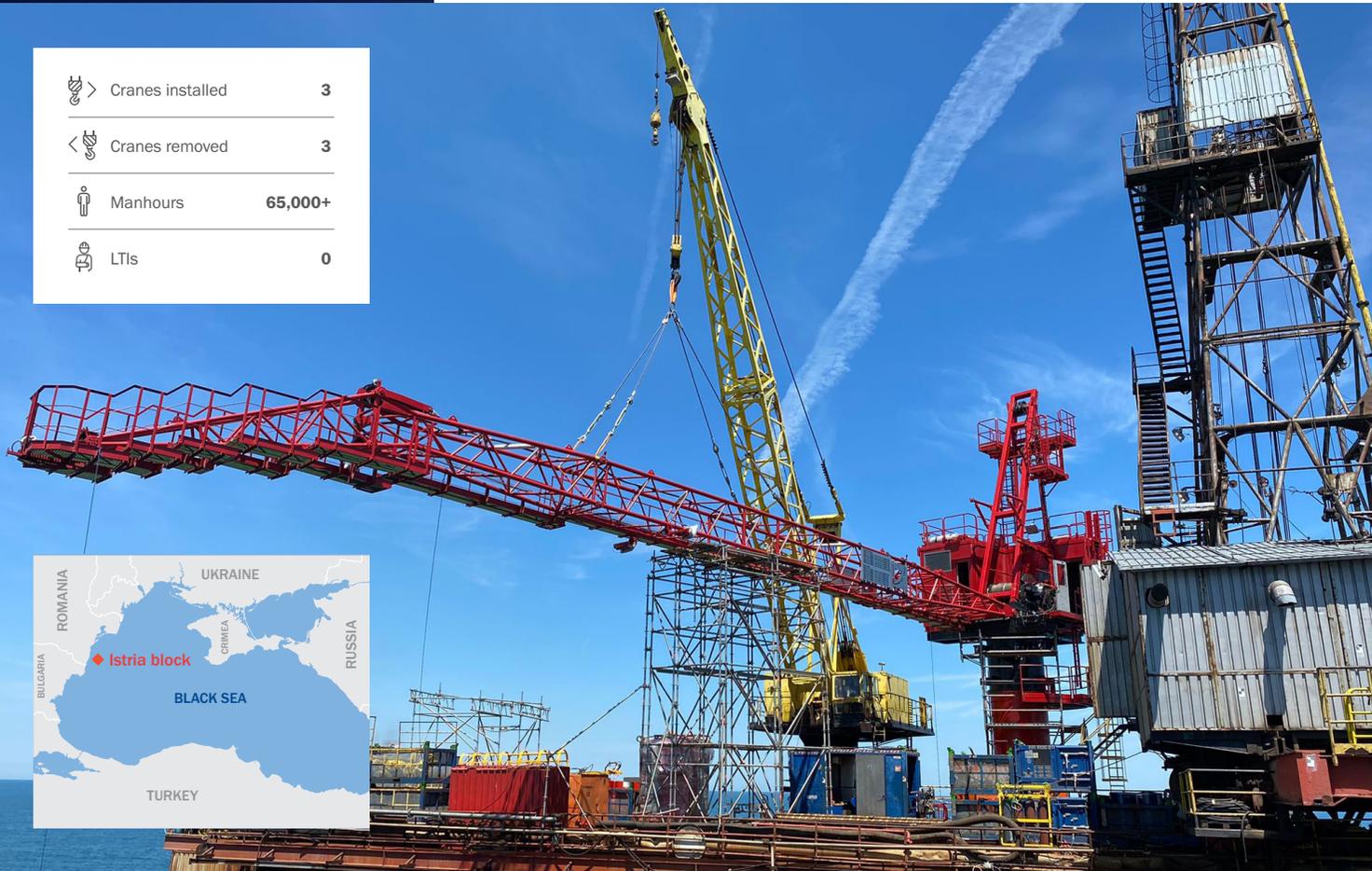


Case study

Client OMV Petrom
Project Crane removal and installation
Location Black Sea, Romania

Innovo's sustained focus on safety and reliability achieves 3-years LTI-free on offshore crane project

 Cranes installed	3
 Cranes removed	3
 Manhours	65,000+
 LTIs	0



The challenge

Romanian oil and gas operator OMV Petrom needed to install three new cranes and decommission three existing cranes on the PFS1, PFS3 and PFS6 platforms located in the shallow-water Istria block in the Black Sea.

The Engineering, Procurement, Construction and Commissioning (EPCC) contract required work packages for the installation and commissioning of the new pedestal mounted platform cranes, as well as the destruction of the existing cranes, pedestals and boom rests using the newly installed cranes.

A key requirement of the contract was that work to install the new cranes and remove the old cranes must not interrupt the platforms' normal production activities.

Innovo was selected for the EPCC contract on the basis of its technical capabilities as well as its track record for safety and reliability.

The solution

The three year EPCC contract required both onshore studies and offshore work, equating to over 65,000 manhours.

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Installation of the offshore lattice boom crane on the PFS6 platform. With a lifting capacity of 30 tons at a 10m radius, the new crane was used to decommission its predecessor (pictured in the background).

Continued overleaf... 

Crane installation involved engineering of all new structures including the pedestal design for the complex platform environments, the development of method installation engineering and lifting design, Health, Safety and Environment (HS&E) documentation and project management.

Decommissioning of each crane covered analysis of every component to be removed, the supply of lifting tools and the rigging arrangement. Innovo supplied a platform supervisor for work on site and all of the required documentation including storyboards, step-by-step procedures, lifting arrangements and a workpack complete with risk assessments and Simultaneous Operations (SIMOPS) / As Low As Reasonably Practicable (ALARP) analysis.

Innovo and partners Petroconst SA combined their engineering and construction capabilities to execute the project without any LTIs, a significant achievement given the number of companies involved in completing the work and the additional time pressures caused by the COVID-19 pandemic.

A new schedule had to be devised following a six-month suspension of offshore activity which required five days of quarantine for personnel before each shift offshore and the extension of shifts by one week to minimise the impact.

Relying on years of accumulative offshore experience, Innovo delivered a plan that optimised the number of personnel required while keeping up-to-date with restrictions on travel around the world.

The result

- Innovo and Petroconst SA collaborated to meticulously plan and co-ordinate engineering tasks and construction activities to optimise the safety of personnel
- Over 65,000 manhours without any LTIs
- Platform operations remained unaffected.

Decommissioning the first crane.



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