Engineers utilize virtual models on tablets and augmented reality data on smart glasses to perform maintenance.

Engineers receive alerts and incident details on their smart watches/mobile devices and prepare for service.

Drones investigate the off-shore rig and share photos/live videos in real-time.

Predictive data analytics determine maintenance needs based on surveillance data; integrated supply chain orders parts.

On-shore drones deliver parts from the warehouse to the off-shore rig.

Parts and tools required to fix the issue are printed in real-time using 3D printers.

3D printers

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IOC identifies required services and issues service request to OFS vendors; best bid is accepted in real-time.

Sensors

Sensors on the rig detect abnormal temperature.

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