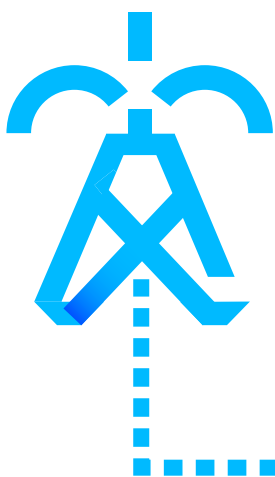


**PETROFAC**

# DISCOVERING DIGITAL DEPTHS THROUGH A NEW VISION OF INDUSTRY X.O



## THE CLIENT

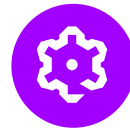
Petrofac is a leading international provider of oilfield services:



Operations in **29** countries.



Revenues of **US\$5.8 billion** in 2018.



Designs, builds, operates and maintains oil and gas and renewable energy plant and infrastructure.

## CHALLENGE

In the UK Continental Shelf, a mature basin that includes part of the North Sea, efficiency, optimization and cost reduction are key for oil and gas operators.

The average uptime of mature, North Sea assets is 70-75 percent. Petrofac often exceeded this measure but felt it could do even better.

Digital technologies would be critical enablers of Petrofac's transformational vision.



## STRATEGY AND SOLUTION

Petrofac is collaborating with Accenture on several key transformation projects:

**1**

**Petrolytics**— This initiative combines an operational dashboard, AI insights, and predictive analytics, models and capabilities using machine learning to improve operating costs and uptime.

**2**

**Connected Construction**— This Azure-based platform collects and amalgamates people and equipment data, providing real-time visibility into a site's operational performance.

**3**

**Aberdeen Innovation Zone**—An immersive workspace facilitating collaboration on technologies set to revolutionize the oil and gas sector.

## DRIVERS



Accenture's broad expertise in the Internet of Things (IoT), Artificial Intelligence (AI), Augmented Reality (AR) and analytics.



The Accenture London Industry X.O Zone—showcasing the power of the latest technologies and the art of the possible—and the Accenture Industry X.O Innovation Center in Sophia Antipolis.

## TRANSFORMATION

With Accenture's help, Petrofac has successfully embarked on an Industry X.O transformation that is helping the company:

- **Improve operations:** Increased uptime, productivity and profitability, with lowered operating costs and risks.
- **Drive efficiencies:** Faster decision-making, scheduled safety and task alerts, and can monitor the movement of people to improve productivity and safety.
- **Fuel innovation:** The Aberdeen Innovation Zone is enabling collaboration to improve business operations and explore new digital services and commercial models.
- **Launch connected worker:** Wearable technology to automate data capture, offer remote assistance and institute safer procedures.
- **Enable a digital twin:** Increased asset uptime by minimizing "failure to fit" rates, lowering operating costs through reduced offshore surveys and improving sales.



Working closely with Accenture and its Industry X.O practice, we're harnessing our extensive engineering and operations experience to develop and deploy technological solutions that boost productivity and deliver sustainable efficiencies. By working together and combining intelligence, we're able to find innovative solutions to industry challenges."

**JOHN PEARSON, Chief Operating Officer of Petrofac's Engineering and Production Services business.**

