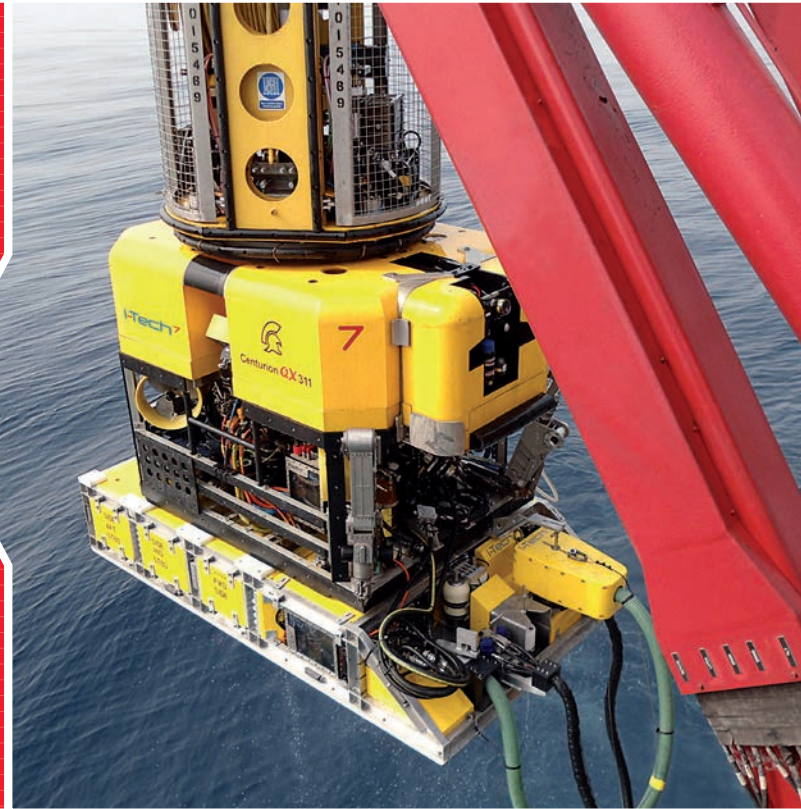


i-Tech Services
**FEATURED
PRODUCT**
MONTHLY | ISSUE 1



HYDROCARBON SAMPLING SKID

We take hydrocarbon samples to determine fluid chemistry, enable calibration of subsea flowmeters and help you make the right production and budgetary allocations.

Read about how we do it, *overleaf*.

We're a global provider of integrated engineering services and products throughout the oil and gas field life cycle. We focus on what matters most to you: reducing complexity, improving performance and lowering costs. We're all about using innovation and technology to unlock value.

The Hydrocarbon Sampling Skid is one in a long line of proprietary, high-quality, cost effective ROV tooling we've deployed. We also offer a standard range of manipulator deployed tools, component change-out tools, bespoke intervention tools and skids.

HYDROCARBON SAMPLING SKID

TOOL DESIGN:

The Hydrocarbon Sampling Skid offers Remotely Operated Vehicle (ROV) deployed sampling from live production wells, while maintaining full isothermic and isobaric conditions.

- Its eight sample cylinders allow several samples to be taken from multiple locations/wells
- A controlled rate of fill and heating system ensure samples are taken in an isobaric and isothermal manner
- The host ROV provides the skid with power and telemetry
- Topside control is managed via a robust laptop computer
- A heating system maintains sample cylinders and pipework at a sufficiently elevated temperature mitigating the formation of hydrates during the sampling process and dissolved gases coming out of solution
- A fail-safe connection tool ensures the safe shutdown of the sample interface at the well should the ROV experience a vessel run-off or dead vehicle situation

OPERATIONS:

The skid has been used on 19 sampling campaigns over the last three years. Each typically lasting between three and five days, with 400 hydrocarbon and gas samples retrieved.

VALUE:

Deployed by an ROV, the Hydrocarbon Sampling Skid offers our customers an environmentally safe, field proven method of calibrating subsea flow-meters and sourcing production data at a significantly lower cost than other conventional methods. Having analysed oil samples taken by the Skid, one client discovered that one of the wells being sampled was producing only gas. As the infrastructure for gas export in the field was not up and running at this time, the client was able to close in the well until such time that they were able to utilise the gas commercially.

Subsequent sampling campaigns have highlighted cases where wells previously thought to be separate were either cross-communicating or water breakthrough had occurred. As well as allowing remedial action to be taken, this has allowed our customers the opportunity to adjust fiscal allocations for the wells in question. Lowering their costs and adding value through innovation.

Want to know more about our Hydrocarbon Sampling Skid?

Contact: itechservices.clientenquiry@subsea7.com

www.i-tech7.com

i-Tech Services is a Subsea 7 company



- eight sample cylinders
- 19 sampling campaigns
- 400 hydrocarbon and gas samples

