

Optimising every drop of energy

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As a global specialist in advanced completions, production solutions and sand management, Tendeka has an extensive track record in enhancing productivity for clients' reservoirs both on and offshore, in the most demanding operating environments.

Headquartered in Aberdeen and boasting strategically positioned bases in each major energy region, the company's ethos is to safely and sustainably solve the most pertinent production challenges in conventional and unconventional reservoirs.

Global milestones secured

2019 saw Tendeka secure the world's largest sand and inflow control contract. The four-year exclusive deal with Equinor, will see 100,000 metres of sand screens installed annually on the Troll field with its FloSure Autonomous Inflow Control Devices (AICDs). An initial contract between the two companies was signed in 2012 with a further two extensions later agreed. The new agreement offers an additional five two-year extension periods.

AICDs preferentially choke unwanted produced fluids whilst promoting production of oil from the entire length of the well, leading to greater recovery, lower water cuts and less gas production.

More than 7,000 passive inflow control devices (ICDs) and more than 42,000 AICDs have so far been deployed around the world.

To further address the issue of sand control failures in wells the Filtrex remedial sand control system was launched in December 2019. An industry first, the technology can simultaneously perform a sand clean out and install a permanent solution to eliminate the need for multiple trips and a costly workover.

R&D on demand

Economic well performance optimisation is at the core of the company's innovative solutions and services. The Houston-based performance enhancement team focuses on the development and deployment of combining tools and chemistry to overcome challenges associated with

unconventional wells.

ShaleModifier, for example, is Tendeka's newest oil-based polymer treatment which covalently bonds to the rock surface to allow enhanced oil flowback from the nanonetwork resulting in improved return on investment for operators. It can be pumped as part of the initial completion ahead of the hydraulic fracture or as a workover squeezed into the formation.

2020 vision and ambitions

Rather than prioritising cost cutting over effective problem solving, CEO Brad Baker and his team are benefiting from a changing mindset in the sector thanks to greater collaboration and early engagement to focus on the real problems at hand with the adoption of its technology, including PulseEight and Cascade3.