

## Industry-First Remote Solids Management Project on NCS Norwegian North Sea, 2025

### MPFM

All 4 phases visible & documented

### Zero

HSE Incidents or manual handling

### 100 %

Remote operation (583h)

### 2 339 kg

Solids separated

### Challenge

With high activity levels and increasing simultaneous offshore operations, Aker BP is facing a POB (Personnel on Board) challenge in the coming years. FourPhase was approached to explore whether our systems could be remotely operated from shore—initially for managing returns from a coiled tubing (CT) operation, and eventually across all operations.

From FourPhase's perspective, it was essential that all products communicated seamlessly—both on the platform and with shore. Enabling this through Aker BP's existing infrastructure was critical to ensure financial viability for the project.

### Solution

FourPhase deployed a complete production flowback spread, including a DualFlow desander, SSV, Multiphase Flow Meter (MPFM), and choke, along with all necessary piping. The project was first modelled in 3D before mobilisation offshore.

As this was an industry first, FourPhase and Aker BP chose to plan the project as a standard CT-flowback operation with a 2+2 crew offshore. Additionally, a 1+1 crew was mobilised onshore to operate the equipment remotely. This setup ensured that, should any issues arise with the remote configuration, the operation could continue as planned. This contingency would be scaled down as experience was gained.

### Result

FourPhase and Aker BP successfully executed the entire operation remotely from shore, as planned. Using the FourPhase control system and Aker BP infrastructure, our onshore supervisors carried out all necessary tasks, to ensure safe and reliable offshore operations while removing 2.3t of solids. The long-term benefits of this industry first include reduced POB requirements, improved logistics, enhanced HSE outcomes, and solids-free flow.

*"This project has delivered tangible results in a safe and efficient manner, and has demonstrated that it is possible to implement remote operations without compromising HSE and operational performance."*

—Ragnhild Abercrombie, VP D&W – Operations Intervention

