

## 1. Problem Statement

Nexen routinely used Shear Seal Valves in well interventions but the dimensions of the valve actuator caused logistical problems which cost time and manpower.

## 2. Aims

- To reduce cost and manpower in well interventions.

## 3. Method

- An alternative valve design was sought which would reduce cost and logistical problems.
- The Slimbore Shear Seal Valve was identified which uses a ball valve to create a valve which has tall and slim dimensions.

## 4. Impact

- Nexen has saved approx. £30,000 per each well intervention as a result of changing to an alternative valve.
- Nexen is now using Slimbore Shear Seal Valve, which uses a different type of valve (ball valve) to create a valve which has tall and slim dimensions.
- The valve fits through a much smaller aperture and means that a much smaller deck plate can be removed manually.
- The valve can also be lifted and placed using the in-situ wireline mast tigger line which removes the requirement for a platform deck crew, crane driver and scaffolders.

Total well interventions

20 (2015 & 2016)

Total savings anticipated

£30,000 per well intervention