Decommissioning reuse

Achievement

- A challenge was put forth by Spirit Energy to their decommissioning team to reuse equipment which is fit for service and within its design life.
- The Chestnut subsea scale squeeze project required a subsea emergency shutdown (ESD) valve to protect the dive support vessel from the downhole pressure from the subsea well. The options were to rent the skid, or for the operator to fabricate its own skid.
- The rental option required sourcing the ESD skid many weeks in advance of deployment. The project team built its own ESD skid using surplus equipment from previous projects and a hot stab receptacle; a manual valve was reused from the Rose decommissioning project.
- The equipment was refurbished, tested and recertified, then incorporated into a new skid. The total cost was a fraction of the cost of rental and building a new skid.
- The skid was mobilised to the Chestnut field for a scale squeeze operation which was successfully completed in August 2018, and the skid is now available in the Operator's portfolio for any future scale squeeze works.

OGA Decom Team comments

A simple example of cost and time effective engineering, using and re-using equipment from decommissioned infrastructure.

Key facts

- The ESD skid was made up of 80% reused equipment from previous decommissioning projects.
- The engineering of the ESD skid took just 30 days from design to deployment
- The ESD skid remains available for other scale squeeze projects in the future, thus avoiding requirement for costly rentals