



# SERVICE OVERVIEW

## Xmas Tree Refurbishment and Upgrade



**WELL-CENTRIC'S XMAS TREE REFURBISHMENT AND UPGRADE SERVICE PROVIDES OUR CLIENTS WITH FLEXIBLE, HIGH QUALITY SOLUTIONS AT THE MOST COST-EFFECTIVE PRICE. XMAS TREES AND ASSOCIATED COMPONENTS CAN EITHER BE FULLY REFURBISHED AND REINSTATED TO THE SAME PLATFORM FOR THEIR ORIGINAL USE OR UPGRADED FOR MORE DEMANDING OPERATING CONDITIONS AND DEPLOYED TO A DIFFERENT PLATFORM.**

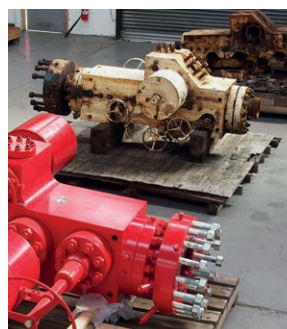
Refurbishing existing equipment significantly reduces time and cost for the operator and is particularly important in order to extend the productive life of mature assets. We provide rework and upgrade for all types of Xmas trees and their associated parts, both on and offshore. We can complement this service with Well-Centric's own QV range of independently certified components, offering high quality and impressive value.

### Benefits:

- **Save expenditure on new equipment for harsher environments and more challenging well conditions by upgrading existing equipment**
- **Save expenditure on new equipment by recycling old equipment and mobilising between different bases**
- **Faster lead times compared to ordering new equipment**
- **Efficient reuse of existing assets provides cost-effective asset life extension**
- **Fully certified traceability of equipment**

### Features:

- Complete Xmas tree and component strip, clean and inspect
- Identification of reworkable components
- Refurbishment of equipment to its original specification
- Upgrade of equipment to a higher specification
- Rework of Xmas tree blocks, actuators, valves and parts
- Complete rebuild and test
- Supply of OEM or Well-Centric QV Xmas tree spares and parts
- Complete certification and approval by an independent verification body at all required points





# PRODUCT DATA SHEET QV Xmas Tree Components Range

WELL-CENTRIC ARE SPECIALISTS IN XMAS TREE SERVICING, REPAIR AND TESTING BUT WE ALSO SUPPLY OUR OWN RANGE OF INDEPENDENT, FULLY CERTIFIED PARTS FOR ALL TYPES OF TREE REFURBISHMENT AND UPGRADE. OUR QV RANGE ALLOWS US TO OFFER A HIGH QUALITY AND VALUE DRIVEN ADVANTAGE TO OUR CUSTOMERS.

By using parts, which are engineered in-house to a higher specification than like-for-like replacement parts, our customers benefit from significant cost savings and reduced lead times.

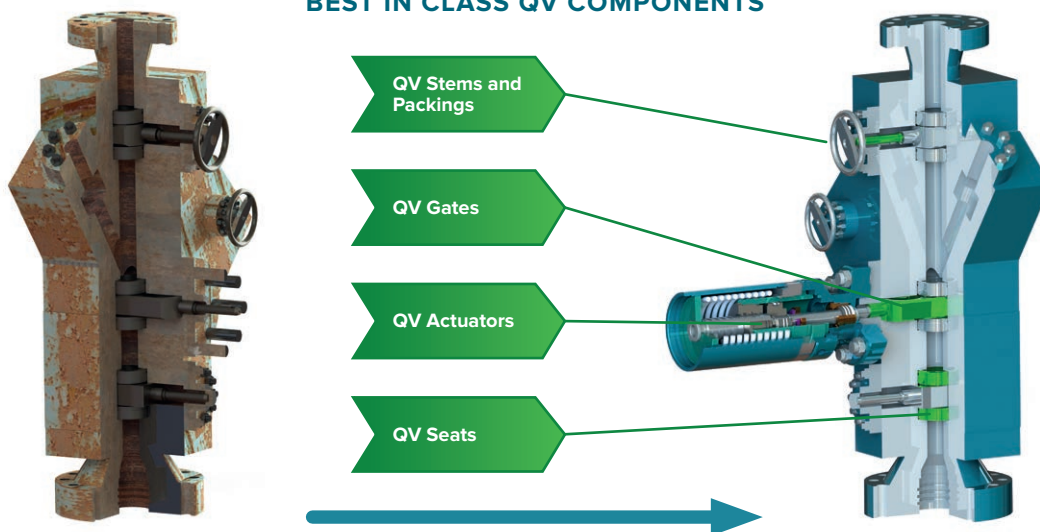
Our own QV product range include gates, seats, stems, seals etc. and are designed to be direct replacements, suitable for refurbishing ageing assets. Well-Centric's extensive experience with Xmas tree equipment ensures that all our replacement parts are designed and manufactured to be superior to the parts they are replacing. They are fit-for-purpose, fully tested and go through a certifying body assessed design and validation process.

We pride ourselves in offering solutions that incorporate our continuous industry learnings and advances in technology development wherever appropriate.

### Benefits:

- **Designed, manufactured and tested in accordance with API6A, NACE and relevant verification schemes**
- **A range of trims from D-D to H-H possible (including tree block trim upgrades)**
- **Reduced lead times**
- **Latest in manufacturing techniques, materials and coatings technologies**
- **Available to ship onshore and offshore worldwide**

### FULL XMAS TREE UPGRADE USING OUR BEST IN CLASS QV COMPONENTS



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