



Meeting industry challenges

iQ supporting our clients to meet the challenges of traditional flange management

iQ vs traditional flange management

Flange management within the oil & gas industry hasn't always kept pace with technical developments in other areas, increasing the risk to both safety and cost.

The issues of loss of primary containment, rework, asset downtime, and damage to flange components are commonly driven by the following contributory factors:



Calculations

Traditional flange management

- Outdated bolt load calculations
- Handed down, shared, revised, and diluted
- No traceability or provenance to a trusted source
- Not aligned with best practice guidelines
- Assesses bolt stress only

iQ flange management

- Industry leading calculations
- Proprietary, traceable methodology
- Continuously updated and improved
- Independently verified
- iQ assesses impact on all mechanical joint components including bolt, flange, and gasket
- "Tight first time" approach



Data storage

Traditional flange management

- Deficient storage of critical data
- Many solutions tied to individual user / PC
- Risk of data loss and the inability to quickly share information or updates
- Lack of single consistent flange management system for an asset
- Poor recording of joint information across multiple systems / contractors
- No clear audit trail or ability to interrogate data to identify trends / efficiency opportunities

iQ flange management

- Secure and accessible storage of critical joint data
- Secure, cloud-based solution
- Single repository of all critical flange related information and documentation
- Single consistent flange management tool accessible by operator and contractors
- Record of an asset's joints that can be fully audited



Calculation tools

Traditional flange management

- Inadequate calculation tools
- Limited tools - can't be audited
- Only the most common components are covered
- No ability to update tools easily
- Inaccurate and unsafe approximations

iQ flange management

- Sophisticated and user-friendly calculations tools
- Industry's largest libraries of flanges, gaskets, fasteners, lubricants, and tools
- Modules for clamps, heat-exchangers, and special flanges
- Experts provide assistance where an element isn't already listed



Support

Traditional flange management

- Lack of independent support
- Many existing solutions come with no technical support
- Other available support either not objective or comprehensive

iQ flange management

- Specialist engineering support
- iQ is supported by a team of expert engineers
- Global reputation as a leading authority in the field of bolted joint integrity
- Support ranging from a specific joint to full company-wide bolting procedures



asset55 ltd, The Beam, Plater Way,
Sunderland, Tyne and Wear,
SR1 3AD, United Kingdom.



www.assetfiftyfive.com



Enquiries: enquiries@assetfiftyfive.com
Sales: sales@assetfiftyfive.com
Support: support@assetfiftyfive.com



Enquiries: +44 (0)191 535 8350
Sales: +44 (0) 191 535 8350
Emergency support: +44 (0) 191 535 8352

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