



Industry Challenges

asset55TM
the software behind oil & gas

Traditional flange management versus Asset55 iQ Flange Management software

Flange management within the oil & gas industry has not always kept pace with technical developments in other areas, increasing the risk to both safety and cost. The issues of hydrocarbon leakage, re-work, schedule-slippage, and damage to flange components are commonly driven by the following contributory factors:



Calculations



- Outdated bolt load calculations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



- Industry leading calculations
- Proprietary, traceable methodology
- Continuously updated & improved
- Independently verified
- Assesses impact on all mechanical joint components (bolt / flange / gasket)
- "Tight first time" approach



Data Storage



- 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



- Secure & accessible storage of critical joint data
- Secure, cloud based solution
- Single repository of all critical flange related information & documentation
- Single, consistent flange management tool accessible by operator & contractors
- Fully auditable record of an asset's joints



Calculation Tools



- Inadequate calculation tools
- Tools limited and not auditable
- Only most common components covered
- No ability to update tool easily
- Leads to inaccurate, unsafe approximations



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



Support



- Lack of independent support
- Many existing solutions come with no technical support
- Other available support either not objective nor comprehensive



- 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

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Asset55 is the global leader in bolting integrity and flange management solutions. Get in touch today to schedule a demonstration of our iQ software, custom-tailored to your organisation's needs.

[T +44 \(0\) 191 535 8350](tel:+441915358350) [E enquiries@assetfiftyfive.com](mailto:enquiries@assetfiftyfive.com) [W www.assetfiftyfive.com](http://www.assetfiftyfive.com)