



# Asset55

The world's foremost provider of flange management and construction solutions software to the global energy market.

 iQ Flange Management

## Industry Challenges

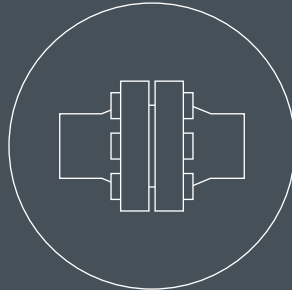
# Industry Challenges

## Traditional Flange Management vs **Asset55 iQ Flange Management**

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:

### Outdated Bolt Load Calculations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

### 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 & User Friendly Calculation Tool

- 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

### 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

### Lack of Independent Technical Support

- Many existing solutions come with no technical support
- Other available support either not objective or 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