Features & Benefits

iQ Flange Management System Overview

Our iQ system is the industry's premium independent solution for bolted joint integrity and flange management. Its secure cloud-based platform and integrated modular-build supports the whole range of workflows, from carrying out individual bolted joint calculations up to carrying out full Flange Management across mega greenfield projects, all consistent with the very latest industry best practice.

iQ Flange Management

iQ Calculations

iQ Projects

Calculation Engine

Workpack Manager

Calculation Manager

Document Manager

Joint Manager

iQ Features & Benefits

iQ Flange Management

Independent

Provides single source of objective truth for bolt load calculations and flange management information, which can be utilised by multiple operators and contractors, ensuring data integrity and auditability.

Industry Expertise

Round-the-clock support from specialised industry experts with a global reputation as a leading authority in the field of bolted-joint integrity, supporting clients in finding the correct solution quickly.

Cloud Based

Gives the highest level of data security which can be accessed from any authorised user 24/7 from any location, allowing real-time updates, continuous system improvement and collaborative workflows.

iQ Calculations

Industry Leading Calculations

Highly sophisticated bolt load calculations are continuously updated to the very latest best practice and independently verified. This allows the user to demonstrate provenance to industry guidelines (ASME PCC-1/ Energy institute) and ensures that they are automatically kept up to date with the most effective way to reduce hydrocarbon release.

Vast Capacity

The industry's largest libraries of flanges, gaskets, fasteners, lubricants & tightening tools, plus modules for clamps, heat-exchangers & special flanges.This guarantees that all an asset's mechanical joint requirements can be met, thus removing the necessity of costly external consultancy fees and inaccurate, unsafe approximations.

Instant Risk Assessment

The unique Joint Integrity Review gives the user the capability to carry out an instant assessment of the impact of any given bolt load across an almost infinite variety of flange assembly combinations. The easy to read risk indicators, safety warnings and automated engineering advice gives the user the power to make quick, informed decisions to reduce schedule slippage, hydrocarbon leakage and the hidden cost of component damage.
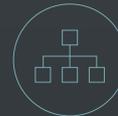
iQ Projects

Interactive Joint Inventory

The easy project structure and powerful search function allows users to quickly identify a single flange across a whole project joint inventory. Once selected, as all the iQ modules are fully interactive, users can quickly get an overview of the joint information, including a direct link to the bolt load calculation. This fully auditable system vastly reduces man hours searching for and transferring critical joint data.

Secure Online Repository

All flange management related documentation, including joint reports, drawings, photo capture, certificates etc., are securely stored in the system. They also have full mark-up and revision capability, supporting easy retrieval and workflow collaboration, 24/7. Any documentation can be linked directly to a specific joint, providing a detailed flange history, giving the user the ability to proactively plan campaigns, vastly reducing time in the field.

Simple Workflow Support

Users can easily create a wide variety of work packs, and indicate a real-time joint status across multiple packs. The auto-population of reports, continuous link to the bolt load calculation and joint status change rationale maintains the integrity of the joint data throughout the process and allows easy reporting of completion updates.

asset55™

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.

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