iCUE cloud-based integrity management software

The cloud-based integrity management software, iCUE, is an intuitive tool to help clients manage the integrity of their offshore assets. A domain-expert-driven solution, iCUE provides easy access to design, fabrication, and installation data, as well as operational information such as inspections, anomalies, and condition monitoring data.

Consolidate fragmented data

iCUE integrates smart interfaces with existing data sources such as electronic document management systems (e.g., SharePoint), sensor data lakes (e.g., PI Historian), ERP systems (e.g., MAXIMO), and ESRI geodatabases to enable centralised access to integrity data that is often stored in a fragmented manner.

Access all asset data within five clicks

iCUE offers quick and intuitive paths to asset data on a user-friendly graphical user interface. This enables users to obtain all integrity management data, on any of their components, within five clicks. Users can obtain meaningful component status overviews and dig deeper into risk levels, visual assessments, monitoring KPIs, inspection plans and history, and as-built data. An operator's integrity data management costs can be reduced by up to 20% with effective data mining through asset life-cycle changes, personnel changes, and training needs.

Perform more comprehensive condition assessments

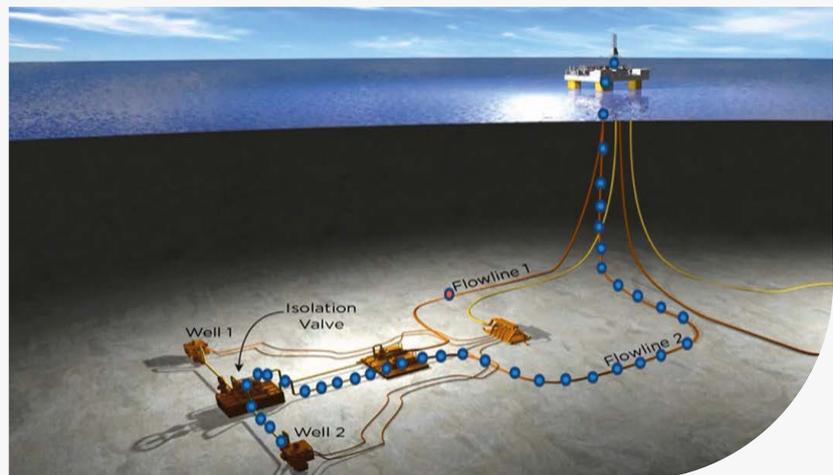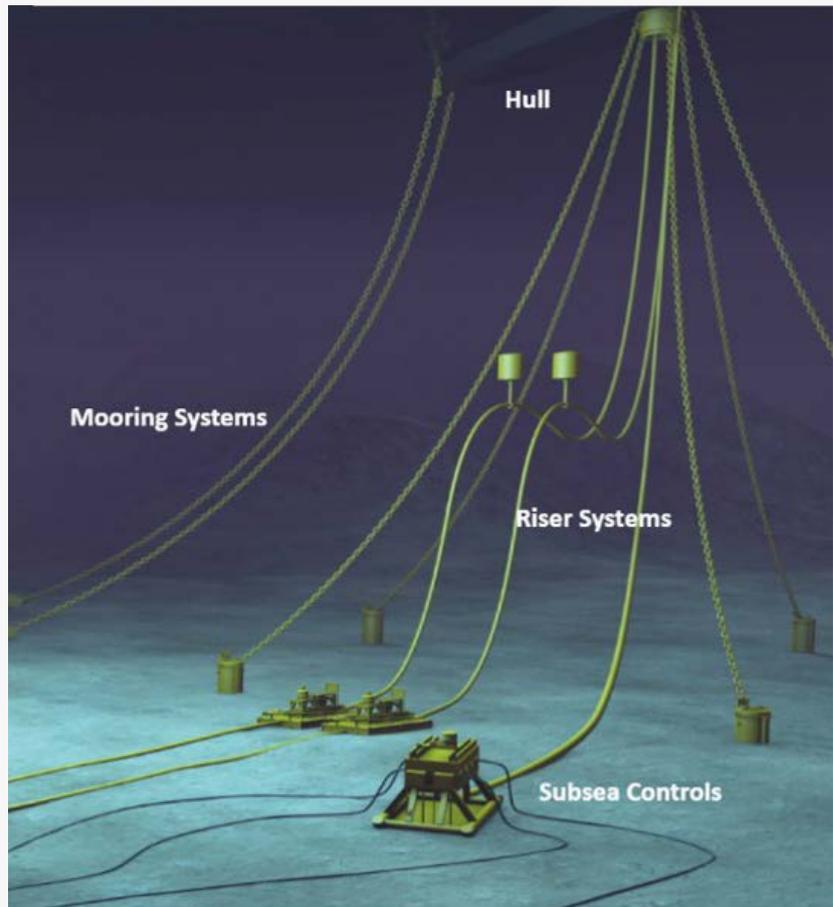iCUE's engineering applications and data analytics tools enable users to perform data screening and preliminary assessment of integrity survey data. This results in more focused and faster condition assessments of equipment including identification of detailed engineering evaluations, such as free spans, CP or ILI, or remediations to mitigate identified anomalies.

Digital twin

iCUE facilitates digital twin deployment to unlock higher value in risk management of offshore assets leveraging centralised, structured, and curated data from existing iCUE applications. iCUE digital twin solutions are cloud based with a customisable and user-friendly interface to process field data and visualise real-time stresses and fatigue damage accumulation over the life of a field.

Demonstrate compliance

iCUE has GIS integrated within the software giving it the capability to access geospatial data. Laying out data in such a way can demonstrate compliance through auditable performance history and improves operational readiness through visibility of component condition across one or multiple assets. iCUE supports asset owners to maintain compliance during operational life, achieve life extension goals, and enhance value during asset sales.

Working with our team

We are a team of highly skilled, multi-disciplinary engineers with a track record of solving complex offshore system challenges. We are independent with the knowledge, drive and creativity to deliver commercially feasible solutions.

Contact us to book a demo or to speak to one of our team members.

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