Effective and efficient control of inspection work is a critical component of a successful plant integrity and reliability management system. Ageing assets, increased production demands, resource constraints, and expectations from legislation such as PSSR, PUWER and COMAH, makes the business of asset management ever more important.

With the sheer volume of assets which require regular inspection, along with all the activities performed in order to support the inspection work, it can quickly become a difficult and time consuming process to manage. For plant engineering staff, preparation of any given asset for inspection may involve:

- Scheduling and co-ordination of due dates
- Confirmation of plant availability
- Review of previous inspections
- Remediation of outstanding defects
- Asset preparation including construction of access scaffolding and removal of insulation
- Planning availability of resource and materials
- Assessment for inspection deferment
- Consideration of changes to inspection scope
- Quantification of scope for budgeting

During the inspection there may be a requirement for:

- Management of documentation for repairs and/or modifications
- Recall of asset details and previous inspection history

Following the inspection, tasks can include:

- Rapid feedback on the inspection findings and suitability of the equipment for further service
- Review, endorsement and discussion of inspection reports and Written Schemes of Examination (WSE)
- Management of mandatory or recommended remedial work
- Demonstration to legislators, clients and insurance providers that an effective safe system of work is in place

The challenges presented by these variables can make the process of effective inspection management a complex one, where failure to recognise the importance of any given factor could have serious consequences.

What we offer

ABB has developed a web based software tool to provide seamless integration between its inspection service and site engineering asset management staff. Designed as a whole inspection lifecycle management solution, the key features include:

- Planning tools for easy scheduling of inspection dates and recall of planning notes
- Electronic initiation, review and sign-off of inspection documents
- Electronic inspection reports with supporting data such as NDT reports and annotated photographs
- Traffic lights and interactive dashboard to prioritise which documents and assets require attention
- Action tracking to manage recommendations and mandatory actions
- Search and filter functions
- Export data to Excel for further analysis
- Email notifications and reminders
- Custom features to suit individual client needs
Looking forward, there are exciting development plans for integration with existing ABB software such as RBI and PEL, as well as client CMMS, opening up the possibility of advanced features to improve asset management efficiency.

**Integrated solution**
**Effective control**
**Easy to use**

Simple approach
Once set up with user definable log in credentials, all of your site asset data will be available to you at any time, from any location via our secure servers. The software is easy to use, and a help function is built in, but training is available should it be required.

**Benefits**
Simplifying and improving the way inspection work is managed on site has significant benefits for engineering and operational staff. By providing the correct information at the right time, in an easily managed workflow, efforts can be focussed as required. Benefits include:

- Efficient, time saving management of documents
- Improved planning capability
- Instant, up to date access for any web enabled workstation to all asset documentation and photographs
- Improved data handling accuracy and streamlined workflow due to full integration with the ABB Inspection Service
- Elimination of time spent handling paper copies
- Demonstration of your safe system of work for integrity management
- Tailored features to suit individual client needs

With easy web based access, site functions such as projects, process engineering and operations can also gain instant access to asset data and history which may be of value in a range of situations.

**Why ABB?**
As a leading technical consultancy, our specialist engineering expertise is unrivalled. As industry leaders with decades of experience in a wide range of industries covering inspection and integrity through the life cycle, we are ideally placed to provide software solutions such as this to enhance existing services and provide greater value to our customers.

Our capabilities within this important area provides our clients with assurance and confidence to move forward with improved management of inspection work on operational sites.

Our engineers and consultants are renowned for their experience and expertise across our engineering disciplines. The experience has been gained across a wide range of hazardous process industries and with operators where we have long term relationships and therefore see the results of our technical judgements in practice. We have a strong operating heritage, with many engineers coming from an operating company background which has taught them to develop pragmatic and cost effective solutions.

ABB has a broader capability in asset integrity, functional engineering and process risk management that can be called on to support our inspection service. As part of the worldwide ABB group, we operate globally and our consultants are experienced in working in a range of organisations, countries, and cultures, and are sensitive to local needs.