Companies need a cost effective way of maintaining production capability, preserving the integrity of the assets and meeting the demands from modern legislation.

The pRIME (process Reliability and Integrity Management Excellence) methodology can be used for managing asset integrity; recognising symptoms, diagnosing causes, and implementing corrective or improvement action. Adoption of the pRIME methodology will deliver a beneficial, cost effective, sustainable solution, which will result in increased uptime, improved reliability and reduced costs. All processes are risk based, ensuring that effort is concentrated on areas that will give the highest return.

pRIME software toolkit
All integrity solutions undertaken by ABB, whether an asset life study or an asset health check, can be delivered using the pRIME toolkit, enabling an efficient and robust assessment process. The software has been developed to efficiently support ABB’s risk based approach for effective asset integrity solutions. The software can be licensed by clients either as a way of viewing information and actions or to allow information to be kept up to date. Therefore, clients are able to commission a review, follow its progress and then continue to update the history of items and recommendations throughout the subsequent lifecycle of the plant, according to ABB’s recognised methodology.

In addition to the benefits of ABB’s pRIME methodology the tools offer:

- More efficient studies, using less operating team time
- Word models can be designed to match client specifications e.g. COMAH safety report, risk matrix
- The client can license the software to provide an up to date repository of equipment data, which can be accessed by ABB’s specialist consultants and client at any time
Technical support

Training

ABB can provide training on the pRIME process and how to get the most out of the pRIME toolkit. We can provide bespoke training onsite or at our offices.

Support

The software is easy to use. Our in-depth help guides will provide the answers to most queries and ‘how to’ videos will guide you through the process. In addition, we offer free support via telephone and email service.

Technical specification

- Compatible with Internet Explorer, Google Chrome and Firefox
- Compatible with IBM Notes
- Compatible with Microsoft Word and Excel
- Ability to produce custom detailed reports and charts
- Includes selective replication functionality
- Can be installed on our servers or client servers
- Available as a secure web based Software as a Service (SaaS) application
- Available as an on-premises install or virtual appliance
- Available as a locally installed client solution with optional cloud synchronisation

To see how pRIME software can benefit your business try our free demo at: www.prime-toolkit.com

Key features of the software

- **Deployable via web, intranet and Lotus Notes**
  The software can be accessed in various ways depending on client and project requirements.

- **Secure**
  The application is secured using tiered access, meaning that access and edit permissions can be set person by person, module, by module. Data is secured through encryption.

- **Access from anywhere**
  The application can be accessed through a web browser or by using a local copy from the users PC.

- **Data capturing and review**
  Several team members can work concurrently in capturing the input data electronically to enable review during multi-disciplinary meetings. Data from the different team members is transmitted through client and browser based applications and aggregated allowing individuals to work separately. This allows the information to be reviewed by specialist engineers outside of the immediate project team.

- **Corrosion loops**
  The software enables similar items of equipment with similar operating conditions and deterioration mechanisms to be grouped together to form what are sometimes called corrosion loops. This ensures that a range of and changes in process conditions are considered consistently across the complete series of equipment affected. This also minimises the input requirements.

- **Consistent workflow and management reporting**
  Each equipment item review is subject to a series of secure stage gates to ensure that all of the necessary input data has been collected, analysed and the recommendations captured. This structured work process facilitates the tracking and reporting of project status by means of the progress dashboards.

- **Risk assessment according to client’s criteria**
  The assessment criteria for likelihood and HSE and business consequences are configurable to the client’s own risk assessment criteria.

- **Automated generation of reports**
  Summary and detailed reports of each RBI review project program can be created in Word and Excel. The format of these reports is configurable in the field on a project by project basis.

- **Portfolios**
  Standard templates are available for each sector - oil and gas, refinery, petrochemical, pharmaceutical and power. These templates prompt assessment of relevant deterioration mechanisms for each sector.