Integrity management
Reduce risk and no surprises
Integrity management

Being reactive is no longer an option.

Assuring integrity is an integral part of day to day operations.

Safety, legislation, and responsible care initiatives are making more and more demands on manufacturing.

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

Integrity management means different things to different people. Irrespective of the industry sector ABB’s approach is applicable.

ABB provides technical engineering services to improve performance in the areas of compliance, operations and engineering to customers in the chemical, petrochemical, oil & gas, power, pharmaceuticals, metals and consumer industries worldwide.

Capabilities

We are able to support our clients in all aspects of integrity, process safety and risk management, helping assess risk throughout the asset life cycle.

With our approach to integrity management, companies can enhance their understanding of:

- Key vulnerabilities and risks
- Investment planning covering the next ten to twenty years
- Where plants have reached the end of their design life, how they can be operated beyond this and still deliver value after thirty to forty years
- Best practice and what needs to be done to achieve higher performance
- Systems and procedures and when these need updating
- Training and development focusing of the needs of their people

Our experience

We can help you optimise integrity management throughout the life cycle of your plant, site or business. Unlike others we only do detailed equipment analysis when this is beneficial to you - this highly cost effective approach is only possible because of our industry recognised consultants applying their professional judgement, supported by our leading methodologies and tools.

Our approach

ABB’s approach is flexible enough to allow a review of a complete plant or to concentrate on a particular problem on an individual piece of equipment. Whatever we do it is accompanied by knowledge transfer that we always tailor to suit your particular needs.

- ABB listens and provides a solution that gives you what you want
- ABB provides recommendations and solutions
- If you have an existing approach we help you to improve it
- If you don’t have an existing approach we can help you to develop one
Key stages
Stage 1 - Strategic review
- Business review / gap analysis / auditing
- Health checks and benchmarking

Stage 2 - Problem and solution identification
- Criticality / risk assessment
- Asset life extension
- Skills and competency assessment
- System and procedures auditing
- Integrity assessment and review

Stage 3 - Implementation
- Action planning
- Risk Based Inspection (RBI) and maintenance programmes
- Knowledge and skills transfer, training and competency development
- Systems and procedures development
- Improvement projects

“We chose ABB to work with us on this strategic project because we know they can give us what other consultants cannot, a flexible approach that understands our objectives, uses experience to define the best way to tackle the problems, and delivers the key outcomes in a professional manner even though we don’t know if what we want to achieve is possible.”

Benefits
Effective integrity management spans the whole business, including systems and equipment, and helps:

- Improve asset integrity and safety helping to assess risk and tackle it, throughout the asset life cycle
- Legislative and regulatory compliance reporting
- Embed best practices and performance improvement
- Maintain production and avoid unscheduled outages and downtime
- Enable informed business decisions on rejuvenation and re-investment requirements
- Recognition of the real issues and focus on the real needs which saves time and money
- Knowledge transfer letting you take things forward long after our engagement has ceased