Revalidation of your process safety and environmental risk assessments

Are you periodically reviewing your process safety and environmental risk assessments? How efficient is your revalidation process and does it add value?

It is a regulatory requirement to review and update risk assessments periodically. Typically this requirement includes:

- HAZOPs /Process Hazard Reviews (PHR)
- Environmental risk assessments (CDOIF assessments)
- Dangerous Substances and Explosive Atmospheres Regulations (DSEAR) risk assessments
- Safety Integrity Level (SIL) assessments
- Occupied Building Risk Assessments (OBRA)

These updates are normally based on 5 yearly reviews which, for companies under the COMAH regime, ties in with safety report updates. Using an approach as outlined below you will be able to answer questions such as:

- When did you last update your risk assessment?
- Did the process make effective use of our resources and add value?

What we offer

ABB's proven review and revalidation processes, covering all of the assessments listed above, have been developed over time to meet our clients’ needs and are regularly reviewed to take into account changes in legislation, regulatory focus and good practice.

ABB recognises that risk assessments can tie up key site personnel for extended periods in both preparation and meeting attendance. Preparation is vital to ensure that risk assessments are completed successfully, and we can support companies in the gathering of the necessary information ahead of the risk assessment meetings.

Using our proforma sheets which cover a range of topics, a small site-based team, including ABB personnel if requested, can pull together the key information and record documentary evidence of changes since the previous review. The review meetings then use the information to focus on what has changed and the significance of those changes.
In the risk assessment meetings, ABB’s study leaders provide clear leadership and guidance to ensure that efforts focus on the key significant changes. This allows us to produce comprehensive revalidation documentation giving clients a clear baseline for comparison when carrying out future reviews and revalidations.

Our commercially available, ABB Ability™ SafetyInsight™ is a digital and dynamic approach to process safety management for high-hazard process industries. It digitalizes early Engineering Technology data to create the process safety digital twin, to which actual plant operations can be compared, providing the right information, to the right person, at the right time, to make the right, informed, decision.

ABB’s proven approach ensures the efficient revalidations of risk assessments through:
- Use of junior resources to collate information on which to base the review / revalidation
- Focussed and time efficient review / revalidation meetings to free up key site resources
- Generation of a comprehensive and auditable assessment record which simplifies future reviews / revalidation

Why ABB?
ABB is a technical engineering consultancy with a long pedigree steeped in supporting the chemical processing industry. When revalidating risk assessments we are able to draw on subject matter expertise across the full range of engineering disciplines, e.g. mechanical engineering, process engineering, EC&I, civil and structural engineering, process safety and environmental engineering. Our review and revalidation processes for risk assessments have been proven in use over many years and are continually revised to help our clients to achieve gains in efficiency and add value. ABB’s risk assessment leaders have experience of working in the high hazard industries and are validated within our internal competency assurance scheme as well as having to meet client competency requirements to lead studies.