



Successful turnarounds

Do the right event, do the event right!

Successful turnarounds

Are your shutdowns /
turnarounds well prepared and
managed?

Does the right work get done to
the right cost?

Does the plant start up on time
and keep running reliably?

Within the process industries shutdowns,
(turnarounds, outages) have a high financial and
performance impact on a business.

Well managed events enhance the safety
performance, integrity, reliability and efficiency
of operations. Badly managed events have the
opposite effects and can also add significant
costs.

Capabilities

ABB provides services before, during and after
turnarounds to help improve the chances of
success for the current and future events. Success
means doing the 'right event' and executing the
'event right'.

The 'right event' needs to be done at the right
time, for the right cost and contain only the
maintenance and improvement tasks that must
be done with the plant off line, or those that can
really be done at a much lower overall cost with
the plant off line.

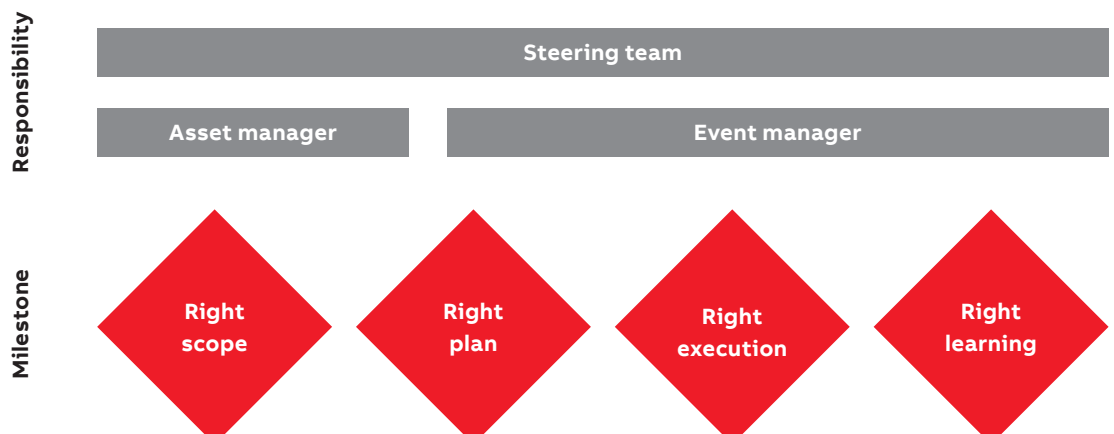
Executing the 'event right' means controlling the
time, cost and quality of the event for all planned
and emergent work. We cover both elements and
have a well proven methodology to manage both.

Our experience

We have a unique blend of leading technical
engineers and consultants combined with
operational experience. We provide independent,
informed and pragmatic guidance across the
whole range of issues required for successful
turnarounds.

We have experience in event management,
planning, asset management, inspection,
reliability and a broad range of functional
engineering.

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Key milestones of successful outages.



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ABB model of outage excellence.



Our approach

ABB's overall approach to delivering successful turnarounds is captured in the model of excellence, a product of twenty years development and proven application. The services we provide all support the model of excellence approach.

Services before events

- Optimising the work scope - automation hot cut over and Risk Based Inspection (RBI) services can reduce the work scope for events. Asset life plans and reliability studies highlight tasks that extend equipment life and improve plant performance
- Event preparation and planning - our turnaround methodology and tools help you to plan, prepare and optimise the event
- Challenge planning - a proven approach to shortening event durations
- Readiness assessment - part of a suite of assessments identifying the appropriateness of event preparations and methods, then specifying actions to improve the performance of events
- Getting the timing right - strategy reviews help set optimum turnaround intervals
- Training - either in technical issues or turnaround methodologies

Services during events

- Inspection services - experienced pressure systems inspectors to meet high inspection workloads
- Technical teams - experienced and practical engineers helping to make the right decisions quickly
- Execution methodologies - our turnaround approach helps manage all areas of execution

Services after events

- Review and improvement planning - post event assessments identify areas for improving your turnaround methodologies and develop improvement plans

Benefits

We can help you achieve:

- Events that align with your business, manufacturing and maintenance strategies
- Lower cost and shorter duration events
- Fewer production losses
- Fewer start up issues and improved reliability between events



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