Managing life extension actions
Rapid efficient close out

Installation life extension studies identify actions to extend the safe and economic operation of assets. Benefits however are only realised when the actions are completed.

The output of, an asset life extension study, which may run into 100’s of actions, is not the end point. Until the actions are resolved, implemented and fully documented it can not be seen as complete and providing the intended benefit.

Finding time for already stretched operations staff to provide the required input to implement the actions is a headache for operators. This becomes even harder when individual actions need either specialist input, or further valuable time from operating staff to determine the optimum solution.

The benefits from the studies can be seriously delayed as each action is looked at and the best course of action considered in providing a suitable resolution. Often it is hard to know when all the actions from a study will be completed and whether they have been managed efficiently.

What we offer
Programme management
ABB can provide a dedicated life extension action team, comprising of ABB and some client resources, managed by an experienced ABB project manager. The project manager plans the assignment, establishes the team, sets up the project framework and reporting mechanisms, and drives completion of actions by the team.

The core team, selected as a mix of resources to reflect the variety of actions to be addressed, all have plant or ‘brownfield’ project experience so can operate without significant client support. This integrated core team has full access to the client’s data and systems and works either from client site or the ABB office, to facilitate easy access to plant data and ABB functional support.

Specialist support
ABB has a full range of specialist engineering capability that can be deployed as needed to support the core team. This can be efficiently engaged on a part time basis, be that for a couple of hours or to carry out a task lasting several weeks.
Specialists may be used for design checks, to confirm that the proposed solution manages the equipment deterioration or to update procedures. An action tracking tool is used to monitor and report progress, record technical justifications and to group actions.

Grouping similar actions and the identification of similar issues across different pieces of equipment enables the ABB combined team to work through a number of actions in parallel, which is not only more efficient but also more helpful for the client in understanding the options for equipment replacement / repair and in controlling any necessary changes to operating, maintenance and inspection plans and procedures.

**Benefits**

Within a short time of ABB’s starting the work, the client is transitioned from a position of uncertainty as to how much effort and resources would be required to address actions, to a managed situation in which:

- An implementation plan has been created and put into effect
- Actions are closed out rapidly and efficiently
- Reliable project reporting is in place to forecast when actions will be completed and to monitor efficiency
- The rational for all decisions is justified and recorded

**Why ABB?**

We have all the specialist skills required to find the most reliable and cost effective solutions to study actions. Our specialists include vessels, piping, rotating equipment, fired equipment, corrosion, structural control, electrical safety and integrity engineering.

Our engineers and consultants have an operational background and use their experience to make pragmatic technical judgements.

Cost effective access to this expertise enables the team to construct engineering justifications for the proposed action resolution.

We prefer to work in partnership with our customers where we deliver benefits together and we transfer relevant skills to our customer for ongoing improvement.