



## Construction

### Construction and Construction Management

We have vast site construction experience and have work in hardship and offshore locations. We attribute our success in construction to well planned and well managed constructions activities. However, our experience has shown us that not

everything can be planned for and when faced with the challenges of site work we respond with flexibility and resourcefulness.

We take a **Can Do** attitude and adhere to our ethos of **Consider it Solved... Consider it Done!** and our Home Office provides 24/7 support for our site construction teams.

### Construction Management

**Abalto** construction management service is offered to construction contractors to provide construction management and multi discipline coordination through assisting construction contractor in areas of weakness such as area completion focus. Setup tasks and targets for construction supervisors and engineering team which are HSE tasks such as promoting safe working practices and adhering to the project HSE plan, business tasks such as QC and interface management, millstone targets from the project plan and behavioural targets such as leadership accountability and team work.

**Abalto** engineers supervise multi discipline construction activity and confirm compliance to project specifications. Through construction planning we manage timely delivery of project sub milestones utilising the available resources efficiently.

### Installation

Equipment for overseas installation, which is to be manufactured local to the job site, is designed to incorporate locally obtainable materials and standards whenever possible. As far as practicable, **Abalto** will always endeavour to make use of locally supplied goods and labour, when involved with overseas contracts. We manage and provide site installation crews and Instrument Technicians for installations from Control Rooms down to Instrumentation and Equipment, and from Control Rooms up to the site wide Plant Management Systems via Industrial Networks. We achieve and assure success to working closely with Owners, EPCs and Vendors. We adhere to our principle of working in an alliance.

We are highly skilled and experienced in Loop Checking and Calibration, especially for Closed Vessels and Flow Meters.

Our final checks are aligned with EPC Mechanical Completion Milestones. We are accustomed to the challenges of achieving this Milestone.

### Commissioning

**Abalto** engineers can commission systems such that they conform to the design specifications in a safe manner. We produce and work to an approved Commissioning Procedure which assures a high level quality of quality for the Start-Up phase.

We are experienced in automation and process control projects enabling us to assess if the controls will result in failure modes not specified or tested. Where necessary, interfaces to other systems are proved with other suppliers. All commissioning such as Loop Checks, Calibration, Cause & Effects, and Alarm & Trip set points are documented for As Built records and change control maintained for modifications.

Our experience has taught us that functional checks are essential to validate adherence to the control philosophy and that system robustness implemented at design stage should be validated with improvements suggested by client operators incorporated in a considered and controller manner. Site acceptance test certificates for each sub system are produced following full witness testing with the Owner and EPC.

Late changes have adverse effect on project schedules. However, this is a normal project process and **Abalto** follows its change control system and client approval for implementation and acceptance. Following successful completion of commissioning, we submit a Commissioning Completion Certificate. Where specialised equipments are commissioned, such as rotating equipment, the services of the equipment vendor are called upon under the management and supervision of **Abalto**.

### Start-Up

We are vastly experienced in Shut-Downs and Start-Ups. We produce and work to an approved Start-Up procedure to ensure that plant and its sub systems are started in the correct sequences. We work closely with the Owner and EPC Process Engineers to assure that the plant reaches optimum performance in a progressive manner. At this stage we train and encourage hands on involvement by Owner Operations and Maintenance personnel.

We often return back to site to conduct audits on systems performance and to optimise the Alarm Management Systems and provide Plant Process Control Optimisation.