GAB Service for Process Equipment Cleaning during Shut-Down

Technical Information

Time requirements for short turn-around during shut downs are becoming more stringent.

Shorter shut down time frames are now required, with an increase in required duties.

GAB has a 50+ year track record manufacturing graphite and silicon carbide heat exchangers. We can provide support during shut-downs, including the required cleaning & maintenance for this equipment. We can also offer advice and certification to eliminate your industrial safety & health concerns.

Shut downs are becoming increasingly complex.

GAB's scope of responsibility includes coordination and logistics of the work to be done during shut down. We can coordinate essential contractor work (i.e., piping and insulation disassembly and reassembly, etc.) as required.

We reduce your turn-around time, giving you the flexibility to carry on with other planned & unplanned activities

Your personnel and time can be better used for other priorities.

Our scope of work includes:

Report of the current condition (external & internal) of the heat exchangers
- Visual inspection of the graphite and graphite cement
- Inspection of internal spaces with an endoscope
- Check of recommended torque values
- Documentation and recommendations for future operation

Clarity about the heat exchangers' condition, with a clear understanding of future investment needs.

Cleaning service (including process side)
- Planning & application of proper cleaning procedure
- Analytical monitoring
- Equipment purging
- Review of cleaning results
- Documentation
- Definition and organization (as required) of closed loop flushing system, water & effluents

Clean and therefore more efficient heat exchangers.

Maintenance
- Assembly and replacement of bellows, gaskets and connection components
- In situ graphite repair work (if possible)
- Equipment replacement, as required

Equipment is set up to optimal condition, ensuring availability for current & future needs.

Pressure Test
- Preparation of an inspection document in accordance with applicable industrial safety regulations for pressure vessels and connected piping

All work fully conforms with customer security requirements.

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Accompanying Services
- Technical clarification and coordination by GAB supervisor, local staff and customer
- Project time line planning
- Coordination and planning of contractors
- Preparation of inspection documentation and acceptance certificates
- Frequent feedback over the course of the project.

Improved efficiency working with plant craftsmen

Reduced workload for the person with overall responsibility for turnaround

In addition to our 50+ years of experience as an equipment supplier, GAB has the required formal qualifications.

- Qualified personnel in accordance with applicable industrial technical health & safety regulations TRBS 1203 (for pressure vessels and piping)
- Appropriate certificate § 5 of Chemical prohibition regulation in accordance with the German ChemVerbotsV) law
- Qualification of on-site employees in accordance with SCC (Safety Certificate Contractors)

GAB provides expertise and qualifications that ensure success.

A successful and smooth turnaround requires professional preparation of the necessary work.
- Coordination and instructions for draining applicable components
- Disassembly and re-assembly of feed & drainage as required for endoscopic review & analysis
- Disassembly of insulation and piping
- Obtaining a work permit
- Free access to the equipment

Site inspections will coordinate job duties between GAB and the customer.

Your advantages at a glance:
- One purchase order is placed for all required activity and service
- GAB provides one contact person to handle all questions and to coordinate tasks
- Minimized time expenditure required for preparation, coordination, and logistics
- From shut down to re-commissioning the project is competently handled by one company
- No risk of damage to stress-sensitive equipment from unskilled service providers
- Optimal plant safety

Clear responsibility

More time for your core business

Optimized and effective results

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