

# Mothballing study - practical preservation



We are living in uncertain times! - this is particularly true for many operators in the process industries that are suffering in the current economic climate.

Market conditions mean that many operators are having to consider closing plants down for extended periods. Hopefully most will restart normal operations when the market improves, but some may have to close permanently.

For plants that will restart after a period the operator needs to carefully consider how they will be shutdown and maintained during the period of mothballing (the length of the mothballing period may be unknown at the time of shutting down). On one hand there is pressure to shutdown quickly, at minimum cost and to minimise any costs during the mothballed period. On the other hand the plant needs to remain safe, equipment needs to maintain its condition and function and sufficient information needs to be retained to allow a smooth restart. With plants that are shut down with a view to demolition it may be more sensible to consider critical equipment that may have a resale value and therefore how best to maintain that value.

ABB have been involved in a number of successful mothballing studies that identified the key equipment issues associated with extended shutdown periods and planned how best to overcome these issues. We have developed a methodology that helps operators to optimise their approach to ceasing operations and the ongoing support of a mothballed asset.

The technical forum will briefly discuss the more general areas to consider when deciding to close down operations and will then focus on the potential pitfalls surrounding a mothballing study, these include identifying the key equipment related issues, planning how to shutdown and maintain equipment, managing knowledge and records.

### Speakers

Jeremy Lewis is a Principal Technical Consultant with ABB Engineering Services specialising in integrity management within the process industries, in particular looking at assessing and extending the life of assets. Jeremy has 33 years of theoretical and practical experience in the industry.

Steve Andrews is a consultant with ABB Engineering Services managing the demolition and remediation area. Steve has experience working on demolition projects in the process industries.



The forums are FREE of charge and will provide an update on key industry topics, share best practice, demonstrate a practical approach and give an opportunity to network with other industry colleagues.

**Location:** The DEEP Business Centre, Hull

**Date:** 12th February 2010

<b>Time:</b>	12:00	Coffee
	12:10	Introduction
	12:15	Mothballing study
	12:50	Questions and answers
	13:00	Buffet lunch
	13:30	Close

### Registration

The lunchtime forum events are by invitation only and are for ABB customer attendees from operating company personnel, in the chemical, petrochemical, oil & gas, life sciences, metals, pulp & paper and consumer industries. Places are limited so please contact Lunchtime Forums to register:

Tel: 01642 372029 Email: LTForums@gb.abb.com

# Grimsby / Humberside Lunchtime Forum 2010

Date	Topic	Venue
12th February	Mothballing	Hull - The Deep Business Centre
12th March	Automation System Upgrade	Grimsby - CATCH Centre
16th April	Maintaining the Safety of Evolving Pressure Systems	Hull - The Deep Business Centre
14th May	Manufacturing Improvement Teams	Grimsby - CATCH Centre
11th June	Cost Effective Inspection	Hull - The Deep Business Centre
9th July	Assuring and Developing Competency	Grimsby - CATCH Centre
10th September	Environmental Aspects of Projects	Hull - The Deep Business Centre
15th October	Care of Rotating Equipment	Grimsby - CATCH Centre
12th November	Process Safety KPI's	Hull - The Deep Business Centre
10th December	Asset Life Strategy	Grimsby - CATCH Centre

## How to get to the DEEP Business Centre, Hull

### For Sat Nav - HU1 4DP



**Note:** Car park is free of charge

#### From South and South West

Follow the signs for "Hull & Humber Bridge" then for "A63 and Hull City Centre". Continue into Hull following the signs for the "Ferry". This route will take you straight over two sets of major traffic lights and over Myton Bridge. At the first roundabout turn left - signposted "City Centre North". Almost immediately turn left into Citadel Way (opposite Victoria Dock Tavern). Continue to the end of the road to a T-junction. Turn left at the junction and keep following road and signs towards The Deep car park.

#### From the North

Take the A1079 towards Beverley then follow signs for the Humber Bridge and the A614. Take the A63 signposted Hull City Centre. Continue into Hull following the signs for the "Ferry". This route will take you straight over two sets of major traffic lights and over Myton Bridge. At the first roundabout turn left - signposted "City Centre North". Almost immediately turn left into Citadel Way (opposite Victoria Dock Tavern). Continue to the end of the road to a T-junction. Turn left at the junction and keep following road and signs towards The Deep car park.

#### From the East

The A615 approaches Hull from the East Coast and onto Holderness Road. Following signs for A63/M62 Leeds. At second roundabout turn right - signposted "City Centre North". Almost immediately turn left into Citadel Way (opposite Victoria Dock Tavern). Continue to the end of the road to a T-junction.

Turn left at the junction and keep following road and signs towards The Deep car park.

#### From the East and Hull Docks

Proceed along the A1033 towards Hull. At second roundabout turn right - signposted "City Centre North".

Almost immediately turn left into Citadel Way (opposite Victoria Dock Tavern). Continue to the end of the road to a T-junction.

Turn left at the junction and keep following road and signs towards The Deep car park.

### ABB Engineering Services

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