

# EPCM & Multidiscipline Engineering Capabilities



## Amine Dosing Cubicles Heysham A Station

Detailed Design and Build of three Dimethyl Amine dosing cubicles for a new Boiler Water Treatment plant at Heysham A Station. Deliverables included FAT/SAT procedures, PTS/CTS documents and full O&M manuals.



## Containerised Package Boilers – Full Refurb & Upgrade Various Stations

Multidiscipline upgrade of 3 containerised package boiler units to meet seismic qualification standards, including ops & maintenance improvements. BW scope included Feasibility Study & Gap Analysis, Detailed Design & Build, Test & Commissioning; all at BW Head Office. Services: Process Engineering, E/I/M/P, Control Panels, EPCM.



## New CO2 Plant - Hunterston Hunterston B Station

E&I design, control system design and configuration, control panel build, integrated factory tests, onsite installation, testing and commissioning support. Full Asset Management System update.



## New Nitrogen Storage & Vaporisation Hunterston & Hinkley

E&I design, control system design and configuration, control panel build, F.A.T. onsite installation, and commissioning support. Full AMS update covering new equipment, BOMs, MWOCs, MIs and PIOs.

# BOOTH WELSH

Integrated Engineering Services

# Asset Management Experience & Capabilities

	Activity	DNB	HAR	HNB	HVA	HYB	HPB	SZB	TOR
Maintenance	PM Routine Review/Realignment	X		X			X		
	Model Work Order Creation/Enhancement	X	X	X	X	X	X	X	X
	Risk Assessment	X	X	X	X	X	X	X	X
	Bill of Material Creation/Enhancement	X		X	X		X		X
	Material Request Creation/Enhancement	X	X	X	X	X	X	X	X
	Maintenance Work Instruction Authoring	X		X			X		
	Inventory Management/Procurement Engineering			X			X		X
Investment Delivery Support	Corrosion Inspection Team	X			X				
	Architect Engineering Support				X				
	Front End Lead Support				X				
	Project Engineering Support	X			X				
Engineering Support	Procurement Engineering Support				X		X		
	Equipment Reliability Reviews	X		X	X	X			
	Lifetime Asset Management Programme (LAMP) Reviews	X			X	X			
	Management of the Asset (MOTA)	X			X				
	Project Management Support	X		X	X	X			X
	Project Engineering Support	X		X	X		X		X
	Safety System Reviews (SSR)				X		X		
	Plant Maintenance Policy (PMP) Documentation Production			X	X				
	PIOI Authoring/Enhancement	X		X					
	PCD Authoring	X							
	SCD Authoring	X							
	LC28/Equipment Reliability	X		X	X	X			
	Action Request Resolution	X		X	X		X	X	
	EMITS Maintenance Program		X	X	X	X	X		
	PM Optimisation	X			X	X			
	PSSI Documents	X							
	Written Scheme of Examination Creation	X		X			X		
	Maintenance Schedule Production/Review	X			X				
	Technical Governance	X	X	X	X	X		X	
	Engineering Change	X		X	X				
	Defect Review/Reduction	X		X					
	Query Management Facility (QMF)/Data Control	X	X	X	X	X	X	X	X
Outage Support	X	X	X	X	X	X	X	X	
Document Control/Update & Management			X						
Equipment	Data Assessment & Migration Preparation	X		X			X		
	Equipment Inspections/Data Gathering		X	X			X		
	Data Input/Formatting	X	X	X			X		
	Equipment Creation/Enhancement	X	X	X			X		
	Data Prep and Upload for Testing	X		X			X		
	Testing for Data Migration	X		X			X		
	Data Migration Look-up Tables	X		X			X		
	Safety Management – Primary Equipment Groups/Functional Equipment Groups/Safety Isolations	X		X			X		
	Asset Labelling (Barcodes)	X	X	X					
	PM Review Data Review Management Fleet System	X	X	X	X	X	X	X	X
	Analytic Data Software	X	X	X	X	X			X