

A reputation for excellence



## Infrastructure Case Studies



The SMS Group has extensive experience of working in and around major marine centric infrastructure - examples include the repair and maintenance of several major ports; Lowestoft, Ramsgate, Dover, HMNB Portsmouth & HMNB Devonport, Southampton, Poole and Avonmouth to name but a few.

Works include the repair and maintenance of swing bridges, linkspans and quayside facilities such as pontoons, derricks, cranes and gantry / rail systems. Within the aforementioned navy bases The SMS Group has completed packages of diving / sub-surface engineering, the repair and renewal of caissons, and the replacement, overhaul and renewal of penstocks and major valves.

### SPECIFIC CAISSON EXPERIENCE - HMNB PORTSMOUTH:

- Major structural rebuild of 'D Lock' East caisson; circa 30T
- Overhaul of associated hauling gear; to include removal and replacement
- Repair tracks
- Replace all seals
- New handrails
- 'A Lock' and 'B Lock' - serviced and replaced hauling gear; to include (but not limited to) remove and refit chains, gypsy wheels, drive wheels, bearing blocks, and staffa motors
- Supported repairs on thrust blocks, shafts and motors on numerous lowering / lifting road ways
- Ballast tray works; including removal and replacement
- Chain replacements
- Varying confined space works

### PENSTOCK EXPERIENCE - FULL REMOVAL, OVERHAUL AND REFIT OF ORIGINAL PENSTOCK SYSTEMS (in conjunction with BAE Systems & Babcock International):

- Full removal and fit of new systems (in conjunction with Waterfront Fluid Controls)
- All steel works associated to the system
- Manhole, cover plate and ladder replacements
- 7/8 Penstock projects to date; all deemed a success

### ESTATES EXPERIENCE - HMNB PORTSMOUTH AND HMNB DEVONPORT:

- Gantry's and gangways; welding and testing
- Road ramps
- Diving on the base; UK Border Force and the on the UHAF
- Handrail and roadway repairs; to including folding caisson access and removable road plates
- Supported Multi-Functional Workshop (of old)
- Supported Volker Stevin (and other civils contractors) RE: the provision of welder / fabricators
- Installation of lightening conductors
- Pump house overhaul/s
- Pipework installation and overhauls
- Steel frame installation in workshops (HVAQ frames for an outside contractor)
- Manufacturing trolleys for recuperators
- Lifting frames for the newbuild shed
- Ship supports / jigs
- Supported all the QEC loadouts; Main Ship Building Hall; 3 basin



Major Fabrication



Heavy Plant Hire

**THE LIFE EXTENSION OF THE FRIGATE SUPPORT COMPLEX AT HMNB DEVONPORT:**

- No. 2 valve replacement; 16T - sitting between the impounding chamber underneath the FSC pump station and the impounding culvert from the river
- Carry out protection and strengthening works to connecting pipework
- Remove the existing valve, power headstock and shaft.
- Install the new valve, power headstock, shaft and all ancillary equipment
- Concreate repairs and associated paint works
- New mezzanine installation, access ladders and platforms
- Set the system to work



No2 Valve Installation



No2 Valve Removal

**DIVING / SUB-SURFACE EXPERIENCE - OUR CAPABILITIES INCLUDE:**

- Planned and emergency support
- Surveys, repairs and installations
- Plant hire and heavy engineering
- Propeller clearing, fouled running gear and underwater surveys
- Salvage
- Class extension inspections
- Utilities
- Power stations and outflows
- ROV deployment and inspections
- Underwater welding and fabrication
- Contaminated water diving, surveying and fabrication / mechanical works



The SMS team is multi-skilled, confined-space trained, and available with (or without) technical management on a 24/7/365 basis. We specialise in both planned and emergency works.

## CONTACT

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7 locations offering 24/7 support

### SMS Head Office



Unit 1, Ocean Quay, Belvidere Road,  
Southampton, Hampshire, SO14 5QY

### SMS Poole



61A New Harbour Road Central,  
Poole, Dorset, BH15 4AJ

### SMS Lowestoft



The Dry Dock, 50 Commercial Rd,  
Lowestoft, NR32 2TE

### SMS Avonmouth



Unit B, Motorway Distribution Centre,  
Avonmouth, Bristol, BS11 9YT

### SMS Dover



Warrprop House, Channel View Road,  
Dover, CT17 9TP

### SMS HMNB Devonport



Building S097/98, HMNB Devonport,  
Plymouth, PL2 2BG

### SMS HMNB Portsmouth



Building 1/209, HM Naval Base  
Portsmouth, PO1 3NJ



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A reputation for excellence



ISO9001/2015 accredited  
Both CE certification and  
ISO14001 environmental  
management are pending

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