

MEng Maritime Civil Engineering
BEng (Hons) Building Engineering
Member of the Institution of Civil Engineers
(CEng) (MICE)
DMS Diploma in Management Studies

26 Years in Port and Coastal Engineering, and
Dredging and Land Reclamation,
5 Years in Civil Engineering



PROFILE

David Close is a specialist Maritime Civil Engineer with extensive worldwide experience of port, marina and coastal engineering, and dredging and land reclamation projects. His experience spans the full range of professional activity from field studies, site inspections, concept and feasibility studies, Shoreline Management Plans (SMPs), design, drafting of tender documents and specifications, tender assessment, construction supervision, project management, and expert witness evidence and support.

EMPLOYMENT HISTORY

2010 to date	Cwaves Limited Consultant
2008 – 2010	Anthony D Bates Partnership Partner
2001 – 2008	Jacobs (UK) Ltd Technical Director
1993 – 2001	Aspen Burrow Crocker Principal Engineer
1989 – 1993	Haskoning Senior Port and Coastal Engineer
1987 – 1989	LRDC Ltd Project Engineer
1984 – 1987	BMT Ltd Senior Engineer
1981 – 1983	Kantey & Timpler Civil Engineer
1980 – 1981	National Nuclear Corporation
1978 – 1980	Murray & Roberts (Tvl) (Pty) Ltd

PROFESSIONAL EXPERIENCE

❖ **Damage Assessment and Repair Evaluation** – Inspection of old and damaged structures to assess residual life and propose appropriate remedial or upgrading measures.

❖ **Port and Waterways Engineering** – Port masterplanning, ship manoeuvring and hydrodynamic modelling, design and assessment of bank protection, dredged channels and intake works. Production of tidal vector maps for pilots. Design of berths and reception facilities for container ships and bulk carriers, and for passenger ships. Assessment and redesign of berths to accommodate larger vessels and operational changes to improve capacity. River transport and leisure berths. Specialist contribution to Thames Barrier 2100 study.

❖ **Coastal Engineering and Land Reclamation** Large reclamation projects (up to 37 million m³ of sand and 10 million m³ of rock) in Saudi Arabia and the United Arab Emirates with attendant revetments, seawalls, small port harbours, marinas, roads and bridges. Assessment of coastal retreat for long term (300 year) on-site disposal and containment of low level radioactive waste. Flood and Coast defence. Shoreline Management Plan (SMP). Assessment of rehabilitation of contaminated fills.

❖ **Dredging** – Design, contract documentation and administration of capital and maintenance dredging contracts. Assessment of relocation of disposal site to suit new dredgers including hydraulic modelling, field data collection and management of environmental assessments. Review of dredging options.

❖ **Tendering, Contract Drafting and Administration** Drafting of tender documents for port and land reclamation contracts up to values of about US\$1 billion. Assessment of tenders from conventional tenders to lump sum turnkey (design and construct). Assistance in contract negotiation and drafting of contract documents. Contract administration.

❖ **Construction Supervision** - Supervision of construction activities from demolition of concrete and steel structures, to construction of reinforced concrete seawalls, rock and concrete block revetments, steel and concrete piles, large diameter steel monopiles, steel sheet piling, caissons, dredging and land reclamation, and ground improvement (wick drains, stone columns). Heavy RC Structures and Buildings.