TOPBOND CAPABILITIES

CIVIL ENGINEERING

Structural & Specialist Works

- Concrete bridge structural repairs, strengthening and refurbishment
- FRP bridge strengthening (carbon fibre and aramid fibre systems)
- Carbon Fibre Strengthening
- Masonry arch bridge repair
- Bearing Replacement
- Parapet Upgrades
- Ground Anchoring (Platipus, Helifix and CINTEC approved installers)
- Waterproofing & silane treatment
- Anti-corrosive, anti-carbonation & anti-skid coatings
- Flood alleviation – including design development & flood modelling
- Emergency & rapid response teams – 24/7 with live call centre

Concrete & Surface Works

- Full depth & thin bond concrete carriageway repairs
- Concrete repairs
- Grouting, resin injection & anchoring
- Epoxy resin & cementitious screeds
- Shotblasting & painting
- Sprayed concrete
- Diamond drilling, coring & sawing
- Dowel drilling & fixing

General Civils & Infrastructure

- Earthworks
- General civils & groundworks
- Carriageway & footway construction
- Culvert installation
- Steel erection & modifications to existing steelwork
- Temporary works
- Heavy lift operations
- WAC (Waste Acceptance Criteria) testing & muck away

Access & Equipment

- High-level MEWP access
- P.A.M Ove – Low HAVs breaker system
- Vacuum excavation – 0.25m³ to 12m³ units

MARINE CIVIL ENGINEERING

Marine Structures & Repairs

- Jetty and quay refurbishment (steel, timber, concrete)
- Fendering
- Piling
- Anode installation
- Underwater repairs
- Scour and erosion protection
- Culverts and outfalls
- Demolition

Marine Systems & Installations

- Mooring solutions
- Navigational aids
- Design and installation of moorings, pontoons and jetties
- Seabed and debris clearance and levelling
- Diamond wire cutting
- Ultra-high pressure water jetting and cleaning

Marine Plant & Equipment

- 250-ton Jack-up barge – LDR0
- Linkflote and Uniflote pontoons
- Schottel tugs (7m & 9m)
- Liebherr LR1130 crawler crane
- Safety boats

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PROJECT MANAGEMENT

- Strong, specialised supply chain network
- Supporting London City Airport with end-to-end project support, from concept through to final execution
- Delivered on deadlines while adapting to evolving project demands
- Engaged subcontractors early through ECI to provide input on constructability and preliminary costing
- Managed all phases of engineering, procurement, and construction to ensure seamless project execution
- In house TW design team with Chartered engineering capabilities
- Permit development including EA, MMO & PLA

DRAINAGE

- CCTV surveys - with design development support post survey
- Drainage Jetting
- Drainage Repair
- Drainage lining
- New Drainage installation & Modification
- Three C120 Flexline Vacuum Tankers
- Two Scania Grab Units

SURVEY AND TESTING

- UKAS Accredited
- Concrete Testing – including coring & Chloride testing
- Structural Surveys
- UAV photogrammetry and dimensional surveys
- Structural Investigations
- Cathodic Protection
- Barrier Testing
- Condition surveys of marine structures
- Rope access
- High-risk confined space entry
- GI & SI in-house delivery teams – including utility GPR identification & Mapping

PRECAST CONCRETE

- Precast Concrete works for production of bespoke reinforced concrete products
- Replace & match existing profiles and section
- Cast stone for all requirements – Wet Cast
- Natural on precast
- Produce bespoke precast units

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