

CAPABILITY STATEMENT



COMPANY OVERVIEW

EP Marine & Rail specialises in non-destructive testing, inspection & structural condition assessment of marine infrastructure. We work with a wide range of national and international port operators, harbour authorities, marine civil engineering contractors, engineering consultancies & defence organisations.

Our particular expertise is in assessing marine bollards & load-transfer systems, alongside the investigation of wider marine infrastructure including structural components, fixings, anchorage systems & foundation interfaces.

KEY DIFFERENTIATORS

- Marine bollard & load-transfer specialists
- Fully non-destructive assessment using advanced NDT
- Independent testing with minimal operational disruption
- Specialist expertise in structural components, fixings & load-transfer interfaces
- Technical evidence to inform wider structural & engineering assessments
- Minimal operational disruption in live marine environments
- Experience supporting complex port, defence & infrastructure projects

CORE SERVICES

- Marine bollard integrity & SWL assessment
- Anchorage, fixings & foundation interface assessment
- Marine structures & component investigation: piles, jetties, quays, wharves and associated structural elements
- Non-destructive testing: UT/PAUT, eddy current, GPR & seismic assessment
- Load-rating investigations
- Technical due diligence for refurbishment & upgrade projects
- Maintenance & lifecycle planning support

CLIENT OUTCOMES

- Independent evidence of structural condition & integrity
- Identification of hidden defects & subsurface anomalies
- Improved understanding of structural connections & interfaces
- Increased confidence in asset capacity & performance
- Reduced reliance on intrusive investigation methods
- Clearer maintenance & remediation priorities
- Improved asset management & risk reduction

SECTORS & EXPERIENCE

- Commercial ports & harbour authorities
- Ferry & RoRo terminal infrastructure
- UK Ministry of Defence (MOD) maritime assets
- International defence & naval infrastructure projects
- Energy sector marine facilities & industrial ports
- Marine civil engineering & principal contractors
- Port upgrade & refurbishment projects
- Heritage & waterfront infrastructure

APPLICATION AREAS

- Missing, outdated or uncertain SWL data
- Independent verification of asset condition
- Ageing, deteriorating or distressed infrastructure
- Port upgrades or changes in vessel loading
- Where intrusive investigation or removal from service is undesirable
- Maintenance, refurbishment or replacement decisions
- Structural components, fixings or interfaces requiring specialist investigation
- Projects requiring work to be delivered in live operational environments