

CASE STUDY

PROJECT New 232-berth floating marina for Premier Marinas

LOCATION Noss on Dart Marina, Kingswear, Devon

As part of Premier Marinas' regeneration of a former shipyard on the River Dart, Walcon delivered the marina's floating infrastructure. Dense rock, strong currents, deep water and a sensitive landscape called for careful planning, specialist equipment and a coordinated, multi-stage installation.

Premier Marinas acquired the Noss on Dart site with a long-term plan to bring a largely redundant shipyard back into productive use. The new marina is central to that regeneration, alongside a full-service boatyard, dry stack, marine businesses and new shoreside facilities.

FOUNDATIONS AND PILING

Once the original infrastructure had been removed, Walcon installed the new mooring piles. Dense shillet rock called for vibratory piling from Walcon Wizard, while strong currents and deep water added further complexity.

LAYOUT AND SERVICES

Walcon installed the walkways and finger pontoons, mainly using the high-specification System 21 system, with premium fendering and extra-wide ducting for heavy-duty cabling. The layout follows the river and replaces the former two-deep alongside arrangement with dedicated finger berths.

PROTECTION AND ACCESS

Reinforced Waliflote pontoons at the upstream end help protect the marina from river debris. Concrete pontoons form the downstream outer pier. Walcon also installed access bridges and pontoons serving the boat hoist and fuel berth.

COORDINATED DELIVERY

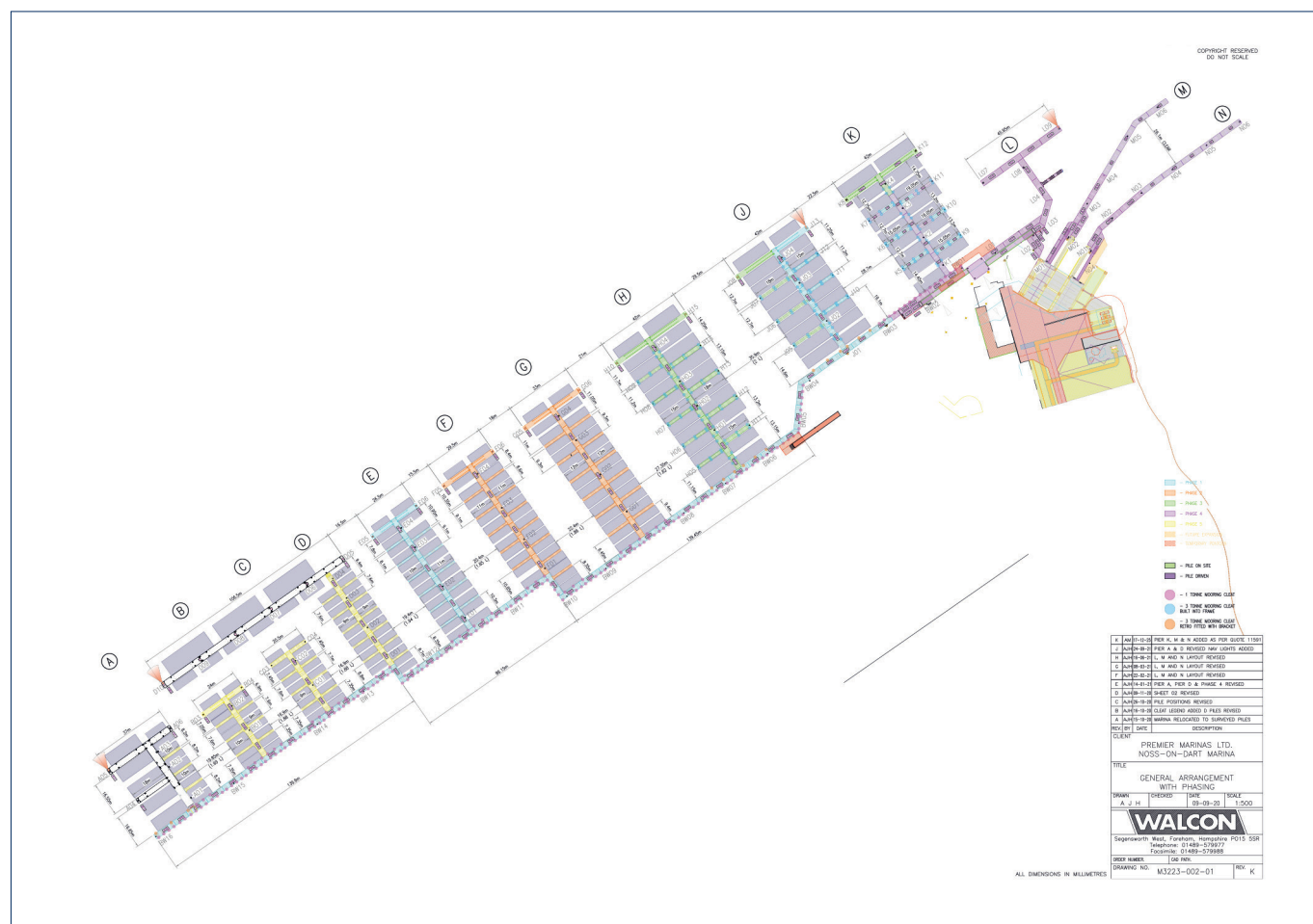
Working alongside other contractors, Walcon returned in stages as the shoreside works progressed. Its responsibility for piling, pontoons, bridges and on-water installation allowed each stage to be coordinated as part of one engineering response.

The completed infrastructure gives Premier Marinas a modern facility designed around the operational demands of the River Dart.



PROJECT AT A GLANCE

Client	Premier Marinas
Site	37-acre former shipyard on the River Dart
Wider programme	£75 million regeneration of the former shipyard site
Core scope	Piling, pontoon systems and access bridges for a 232-berth floating marina
Piling	102 new mooring piles installed over eight months from Walcon Wizard using a vibratory piling technique
Pontoon systems	System 21 walkways and finger pontoons; reinforced Waliflote pontoons; concrete outer-pier pontoons
Key dimensions	Five outer-pier concrete pontoons, each 20m × 3m and weighing 32t
Site conditions	Dense shillet rock, strong currents, deep water and a sensitive landscape setting
Programme	Work began in winter 2020–21; the marina opened in May 2023



Founded in 1963, Walcon Marine designs, manufactures and installs engineered marina and harbour infrastructure in the UK and internationally. With more than 100,000 berths delivered in more than 30 countries, Walcon combines engineering expertise, specialist equipment and in-house installation capability to build for long-term performance.