

National Maritime College of Ireland

Ringaskiddy, County Cork Ireland

Completion

2004

Client

Focus Europe

Value

68 million Euro

Role

- Two Stage Design and Build Lump Sum
- Vita Lend Lease provides facilities management services for the Public Private Partnership PPP concession period of 25 years.

Highlights

- Ireland's first education PPP
- Complex and unusual fit out with unique features
- Completed in 18 months.

Steering a super tanker into port is just one of the simulator experiences available to students at the National Maritime College of Ireland, built by Bovis Lend Lease at Ringaskiddy in County Cork and opened in 2004.

The college can accommodate up to 750 students in merchant marine and naval training and is equipped to create the sense, sound and feel of being at sea. Costing €68 million to build and fit out, the college was completed in 18 months and is the Irish government's first Public Private Partnership (PPP) venture in the education sector.

Design Challenges and Innovation

Architects BDP took a bold, modernist approach to the design, making water a focal point of the layout but containing the height of the college to three storeys. The completed buildings provide a spacious, low energy learning environment where ship's bridge simulators, workshops, a ship's engine room, sea survival training and a helicopter dunking pool stand side by side with more conventional lecture halls and classrooms.



Construction Challenges and Innovation

Complementing the onshore features, the contractors also had to provide a 140-metre jetty and slipway fully fitted with a lifeboat and launching gear.

Leadership in Sustainability

The college was designed, constructed and equipped to a stringent sustainability brief, to minimise energy bills and deliver environmental benefits. In this exposed coastal location, materials were chosen for their insulation properties. Large and plentiful windows offer a high level of daylight and automatic detection artificial lighting control systems help to reduce power consumption.

Primary Service

Two Stage Design and Build Lump Sum

Secondary Service

PFI/PPP

Primary Sector

Education.