

Fugro Engineering Services Limited

INSHORE JACK-UP PLATFORM "COASTAL EXPLORER"



GENERAL DESCRIPTION

The Fugro Limited inshore jack-up platform "Coastal Explorer" is a lightweight self-propelled and road transportable unit designed for nearshore marine geotechnical site investigations. It can work from the inter-tidal zone to 20m water depth excluding leg penetration. It can be assembled and brought to full operational readiness in under two shifts with the assistance of a 70 tonne mobile crane.

It is equipped with a marine drilling system and optional static cone penetration testing equipment for carrying out high quality marine geotechnical investigations.



"Coastal Explorer" in the Clyde Estuary

CRAFT

The craft is modular and can be operated with anchors, spud legs or with a four leg jack-up system. The most usual combination is three pontoons with four jack-up legs. The two outer pontoons are UNICAT power units which provide the self propulsion for the platform. The middle pontoon is a dumb unit to increase stability and deck space. The central pontoon is equipped with a centrally positioned 450mm diameter moonpool. A HIAB deck crane is located on the port side with a lifting capacity of 1.5 tonnes at a reach of 5m.

The craft has a draft of 1.2m with a 15 tonne deck load and legs fully raised.

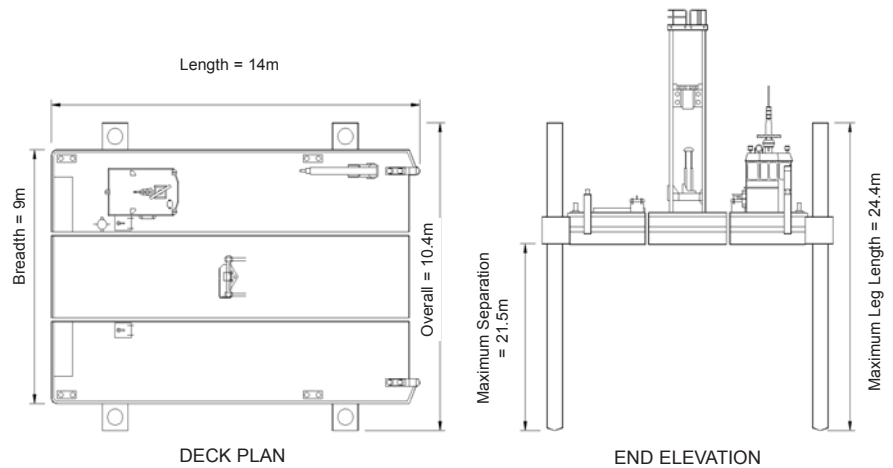
"Coastal Explorer" has a fast self-elevating capacity. Combined with her shallow draft, lightweight and its self propulsion the craft can be moved precisely and rapidly between positions. This is particularly advantageous when working in intertidal areas.

DRILLING SYSTEM

Drilling System

The platform is equipped with a 12m high marine drilling system. Insitu testing equipment, drill rods and conductor casings can be vertically stacked within the mast in 9m lengths. These are handled by a fast-acting non-free fall and therefore safe 5 tonne hydraulic winch. An hydraulic deck clamp used for handling casings, CPT tools and drill rods.

Conventional drilling can be performed with cable tool and rotary drilling equipment.



SPECIALIST INSITU TESTING

High quality insitu testing can be performed from "Coastal Explorer", when jacked up out of the influence of the wind, waves and tide.

The range of insitu testing which can be offered includes:

- Cone Penetration Testing
- Pressuremeter Testing
- Packer Testing
- Permeability Testing
- Pumping Tests
- Downhole geophysical logging
- Crosshole seismic testing.

The Fugro Group is an international organisation with around seven thousand staff in over fifty countries.

Our major disciplines are Geotechnics, Environmental Services and Survey.

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