

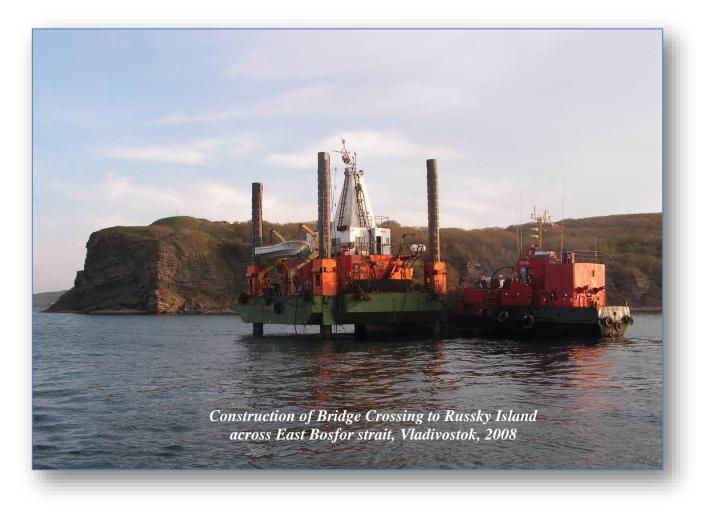
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## FLOATING JACK-UP PLATFORM "KROT"



Technical specification

## JACK-UP «KROT»



Jack-up platform "Krot" (Register Class K  $\bigcirc$  R3) is designed for drilling of engineeringgeological boreholes on the shelf to the depth of 100 meters at the water depth from 2.5 to 18 meters.

The drilling unit URB-2A-2 performs drilling by rotary method with washing, drilling D is from 190 to 76 mm, driven by 2 electric generators 75kW each. Additional equipment for any borehole investigations, such as logging, CPT etc., may be mounted. In-situ testing of soils for determination of physical and mechanical soil and rock properties is also available.

There is a cook room and 8-person cabin for the crew and personnel onboard. Minimum set of rescue facilities onboard: 2 rescue crafts, 11 life-jackets, 11 wet suits, 4 life-savers.

Transit to the area of operations is performed by towing by the vessels of "Atlas" type, transportation to the drilling location is done by the tug of "Zarya" type. Floating jack-up platform "Krot" is equipped with a four-anchor stabilization system.

The area of operation is ports, bays, harbors, shelf of the Far East seas of Russia (Sakhalin, Primorie, Khabarovsk region).





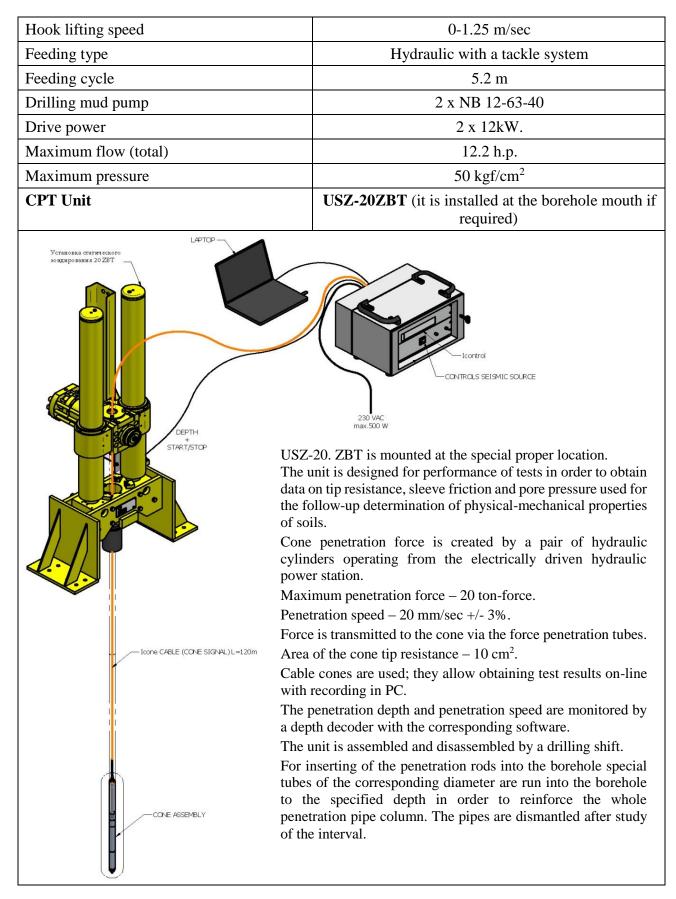


Register data	
Vessel name	Krot
IMO ID-number	8763397
Registration number	845992
Shipowner	Pacific Engineering Company Ltd.
Port of registry	Korsakov, Russia
Flag	Russia
Year of manufacture	1984
Place of manufacture	Matsui, Japan
Туре	Jack-up platform
Employment	Drilling of engineering-geological boreholes
Call sign	UFBW
Register class	KM <b>≎</b> R3
Ship-classification society	Russian Maritime Register of Shipping
Specifications	
Length, width, height	15.0 m x 15.0 m x 2.3 m
Draught	1.6 m
Displacement	Fully loaded – 344 t; empty – 147 t.
Capacity	Gross 153 r.t., net 125 r.t.
Diameter of the leg pad	2.4 m
Leg diameter	900 mm
Electrical equipment	2 x Generator 75kW DGR 75 M1
Maximum water depth for drilling	18 m



Cruising area	R3 – nearshore navigation at the distance of 10 miles from the shelter during summer navigation period
Weather restrictions	Wave height - 6 m., wind speed $- 20.7$ m/sec
Accommodation capacity	8 persons
Rescue equipment	Life rafts PSN-10MK - 2, life jackets - 11, hydrothermo-suits – 10, life rings – 4.
Deck machinery	
Electrohydraulic crane	Carrying capacity 0.9 t x 1 pc.
Hydraulic winch	Carrying capacity 3 t x 2 pcs.
Anchor (type, quantity, weight)	
- bow	Hall's anchor, 2 x900 kg.
- stern	Hall's anchor, 2 x900 kg.
Anchor ropes (length, calibre)	4 x 200 m, diameter22 mm
Communication and navigation equipment	
Receiver-indicator of the navigation system	SPR-1400
VHF radio	STR-580D
Boomerang satellite radio buoy	SEP-406
Radar responder	Musson-502
VHF two-way communication radio	STV-160, IC-GM 1500
stations	
Drilling and geotechnical equipment	
Drilling rig	URB-2A-2
Туре	Hydraulic
Main drilling method	Straight rotary drilling
Feeding speed:	
- downhole force	2.6 t
- upward force	4.0 t
Drilling depth	100 m with the tube diameter of 60.3 mm
Borehole diameter:	
- original	190/135 mm
- final	76 mm
Hydro station drive	Electric
Power capacity	55 kW
Rotation speed	1500 rpm
Mast	Welded
Height of crown-block axle	8.37 m
Mast winch	Hydraulic lift with a tackle block
Drill tube/stand length	Diameter50 mm / 4.8 m
Rotating mechanism	Floating spindle
Rotary speed, direct drive	0-325 rpm
Maximum rotary moment	200kgf·m
Lifting device	Hydraulic lift with a tackle block
Tackle system equipment	Special



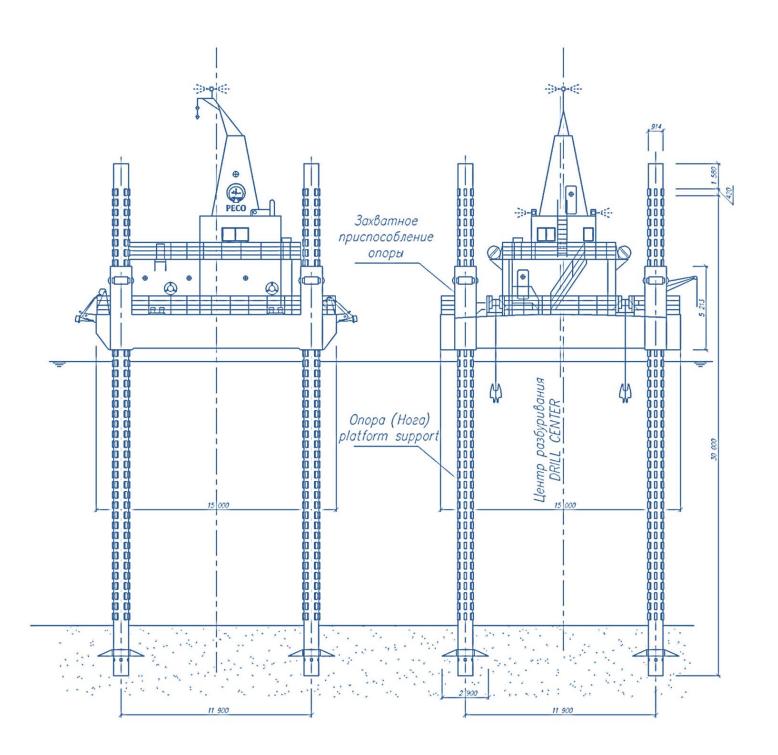












**MAIN PLAN**