

Elodie Plough



ELODIE is a strong and heavy 3m-plough dedicated for cable burial. This plough is the result of 15 years experience using this product. SIMEC has built 4 ELISE ploughs collaborating with ECA and 2 ELODIE completely designed and manufactured by SIMEC. The last plough, ELODIE 2 has buried more than 7000km of cable and is able to achieve a trench of 3m depth.

Work capabilities

Operations : Simultaneous cable laying and burying

Power : 20 kW

Operating depth : Up to 2000 m

Cable diameter : Up to 150mm

Burial depth : 3m

Speed : 0.6 knots in average

Way of moving : Towed by a cable ship
(60 tons pulling)

Characteristics

Typical characteristics

Dimensions : length 10.6m / breadth 4.2m / height 5.2m

Weight : 30 tons in the air

Structure : High resistance steel

Piping and fittings : Stainless steel 316L

Power

Hydraulic power : 20 kW

Operating voltage : 440V/60hz

Jetting power : 200 kW Motor pump on the deck

Shipboard Support

Deployment system : dedicated winch and A-Frame

Ship work deck : 300m²

Spread : 1 control room, 2 spare 20ft containers, winch & vehicle

Operating team : 1 team leader and 6 technicians.



Instrumentation and tools

Video & cameras : 4 cameras (3 pan & tilt units and 1 wide angle)

Data : 1 Hydrophone : 1x232 : 1x485 : 1 Responder

Lighting : 6x250W spot light

Instrumentation : Sonar/profiler, altimeter, cable sensor...

Navigation : Acoustic positioning system / compass

ELODIE is operated by Orange Marine on the René Descartes Cable ship.

This plough works about 150 days per year in average with very few maintenance.

All final customers were fully satisfied by its performance.