The LD2500 is a reverse circulation drilling rig capable of drilling through almost any soil and rock type. The rig can accommodate standard LDD drill bits up to 2500mm with under-reaming options allowing the drilling of much larger holes.

The LD2500 is comprised of 4 main sections: Gripper, Drill base, Mast and carriage, and Power Swivel. The gripper allows connection to the pre-installed pile or conductor with sufficient capacity to accommodate the static and dynamic forces the drill rig can generate.

The Power Swivel provides the rotation force required to drill the socket. Thrust and holdback is provided by the carriage rams located in the drill mast supporting the carriage.

Down-hole under-reaming can be used in a variety of applications to enhance installations efficiency and pile capacity and sockets can be drilled from vertical to 18° (1:3 rake).
The drill can be mobilised anywhere in the world as it can be broken down into component form, loaded into sea freight containers and reassembled on arrival. Typical assembly and re-commissioning takes 3-5 days.

**Main applications**

- Jacket installations for Oil and Gas industry
- Pier and jetty construction
- Civil engineering projects
- LNG terminals
- Relief drilling
- Drive-drill-drive
- Riser shafts

**Specification for LD2500**

- Max inclination: 18 degrees 1 in 3 rake
- Weight including rigging and gripper: 30t
- Drill pipe: NW200 or NW300 3m lengths
- Dimensions: L=7235 x W=6102 x H=10286mm

**Diesel Hydraulic Unit Specs**

- Engine: 2 x Iveco Cert 10 Tier 3
- Power: 550 bhp
- Weight: 6.2t
- Dimensions: L=3900 x W=1700 x H=2400mm