

CLAM COIL SYSTEMS

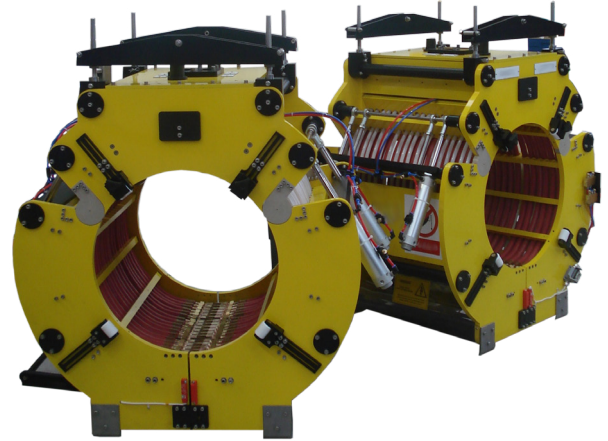
Field Joint Processing Solutions for the Offshore Industry



Radyne Offshore Clam Coil systems are designed for use in offshore pipe laying applications and utilised for a number of pipe heat treatment tasks. These include:

- **Pre Heat Prior to Welding**
- **Pre Heat for Shrink Sleeve Application**
- **Post Weld Heat Treatment**

The coil is manufactured in a non-conductive composite frame to support the water-cooled coil wraps – with an over centre clamp to manually clamp the clam type coil around the joint area or, pneumatic automated operation for larger pipe diameters.



Pre & Post Weld Heat Treatment

Fundamental to the process of butt welding, to ensure the integrity of the welded joint, the Radyne induction heat process provides the perfect method of heating pipes to the correct temperature within closed limits.

The coil is designed to heat the butt joint to the appropriate temperature over a narrow band during operation – reducing the HAZ to a minimum.

For post weld heat treatment, clam coils powered by induction enable PLC controlled heat programmes to be applied - as dictated by the steel grade of the pipe.



Shrink Sleeve Application

Radyne Offshore Clam Coil Systems are also used to apply heat during the application of shrink sleeves which surround the pipe joints.

The induction powered Clam Coil System allows for a quicker, safer shrink sleeve application without the use of gas fired torches.

For further information on Radyne Offshore Systems please contact Inductotherm Heating & Welding Ltd on:

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