



HEL

CLAMPING SOLUTIONS

Pile Protection Solutions

Splash Zone, Inter Tidal, Submerged

Pile Wrap

HCL Pile Wrap is a Splashzone, Intertidal and Immersed Pile Protection System suitable for timber, steel & concrete Piles, consisting of an inner layer of Petrolatum Tape & sometimes Paste/Primer, which is secured using a Heavy Duty 2mm HDPE Jacket and HCL Smart® Bands. This solution seals the pile against water & oxygen thus arresting corrosion.

- Fast and Simple Installation
- Requires only manual hand tools
- No pre-survey required
- Tried and tested around the world with numerous installations
- 100% Non-metallic
- ICCP and sacrificial Anode compatible



Installation

HCL's Pile Wrap system can be installed quickly and without the need for power or expensive hydraulic equipment. As a result, multiple installations can be carried out on site simultaneously due to the inexpensive & durable tooling provided with the Smart® Band system.

Inspection

The need for continued monitoring and inspection of the substrate is well catered for with the HCL Pile Wrap system with the ability to include a full 360° inspection jacket. Positioned at a recommended 10% of locations on the project and featuring re-usable jackets this facility provides fast and efficient inspections.



Complete Pile Protection

Petrolatum Paste/Primer for use where corrosion pits are greater than 2mm

Marine Petrolatum Tape. Cold applied, wax based tape incorporating a non-woven, stitch bonded synthetic carrier cloth

2mm HDPE Jacket in UV resistant black

Smart® Band Hybrid buckle system or Smart® Band Compact system depending on location and conditions

Reference electrodes can be accommodated bare or in PVC sheath

Variable offset from steel surface to clients specification

Cable clamping to junction box or TR's

HCL edging strip provides one single closure to jacket

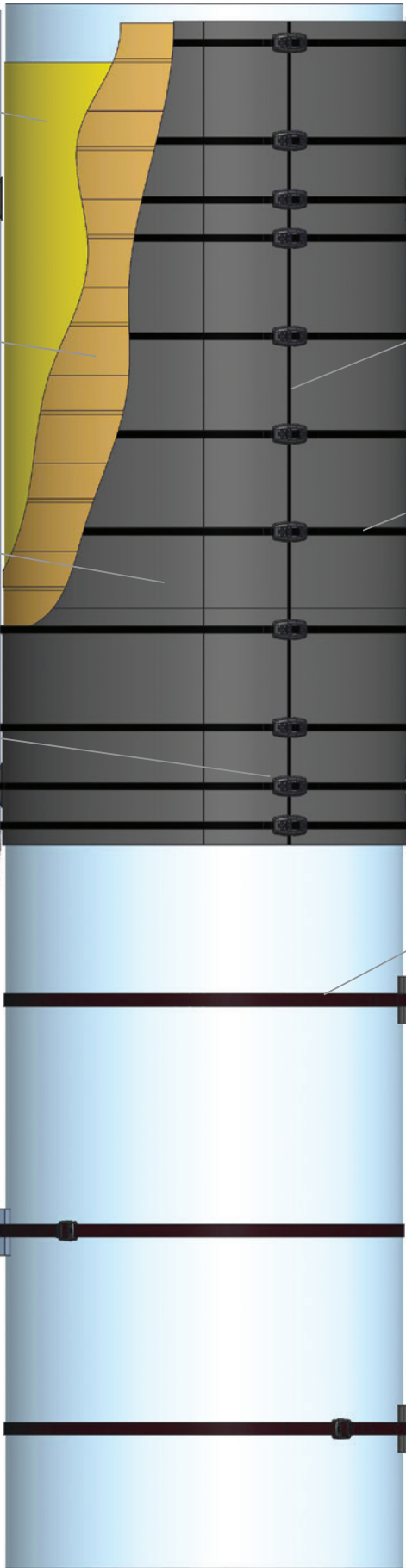
Smart® Band 19mm or 32mm depending on diameter and location/exposure

High strength 32mm PA12 Smart® Band ensures security of saddle and anode

Ability to take bare or PVC mounted anodes

2 or more saddles can be used depending on anode length

19mm Smart® Band for anode to saddle clamping



ICCP Clamping System

HCL's ICCP clamping system is completely non-metallic allowing for clamping of bare or PVC encased/shielded Anodes and Reference Electrodes at any diameter, height, position or location without the need for a pre-survey and with large savings on Diving and Mobilisation costs. Comprising of adjustable offset saddle in a rugged PU moulding with high strength polymer composite straps these can be mounted fully submerged or in a cantilevered configuration above the LAT.

- All non-metallic construction
- Configurable for all pile diameters and anode sizes
- Substantial savings on Diver time for mounting
- Variable stand-off distances from 170 – 300mm
- Ability to clamp bare and tube mounted anodes and Reference Electrodes
- No site measurement required other than an indication as to the pile diameter
- Allows flexibility on site to mount the Anodes at any orientation and any depth
- Can be cantilever mounted so no diving required
- Lightweight and compact so minimal mobilisation costs
- Matching cable clamping system from anode to TR up the pile

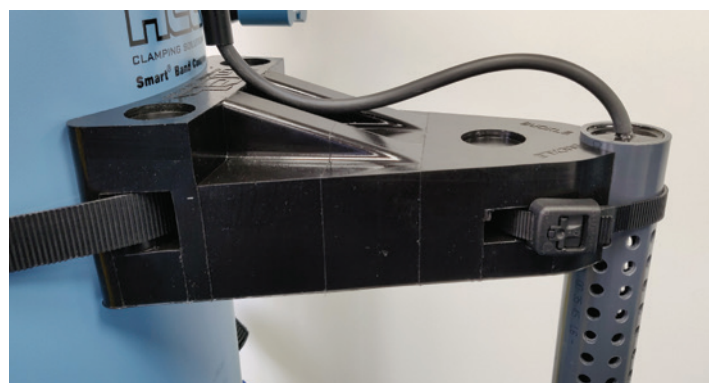
- Can be removed and re-mounted if required
- In-house consultancy to help you design and configure your system
- ICCP System fully compliments HCL's Pile Wrap System

Simple and effective tooling makes this system fast and efficient to fit



Secure Clamping

HCL's ICCP Clamping System can be installed quickly, without the need for a pre-survey of the pile/ steelwork dimensions and at any desired position either above (cantilevered) or submerged. Simple and effective tooling is used to install and tension the clamp to the steel and the Anode into the clamp which also allows for installation in zero visibility conditions. The fact no hot work or welding is required is an added advantage of this system over traditional installations making for a far simpler fit.



Installation

Fast, efficient installation using HCL's range of manually operated underwater tensioning tools is all that is required to install the clamps. Removing the need for welding, underwater steelwork fitting and mobilising of heavy steelwork can contribute to substantial savings on a project and shortened site time.



Projects, Training and Consultancy

Projects

HCL have been involved in Pile Protection projects for over 20 years – HCL pile protection products have been fitted to jettys all around the world.



Far East



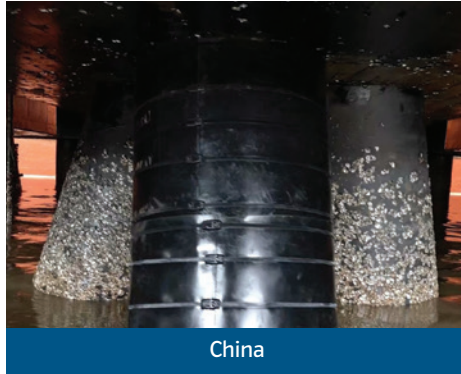
South America



South Korea



Middle East



China



South East Asia

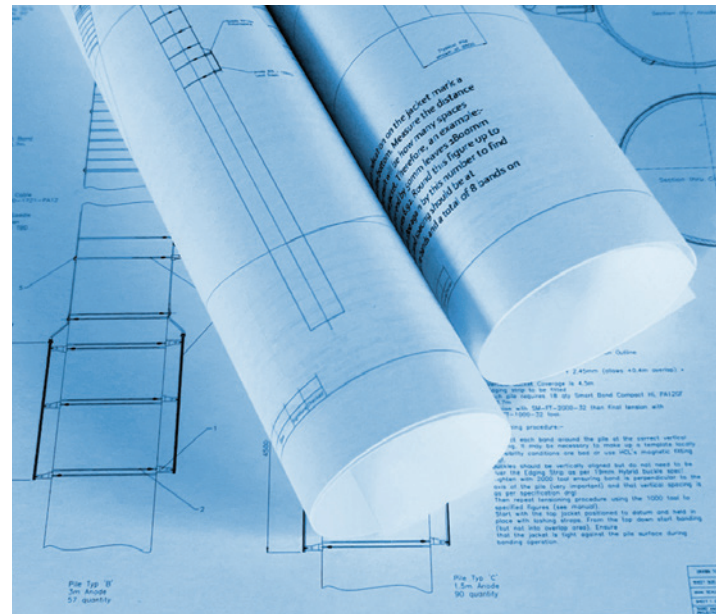
Training

Trained personnel are available to visit clients to conduct on-site training for the installation of both the Pile Wrap & ICCP systems.

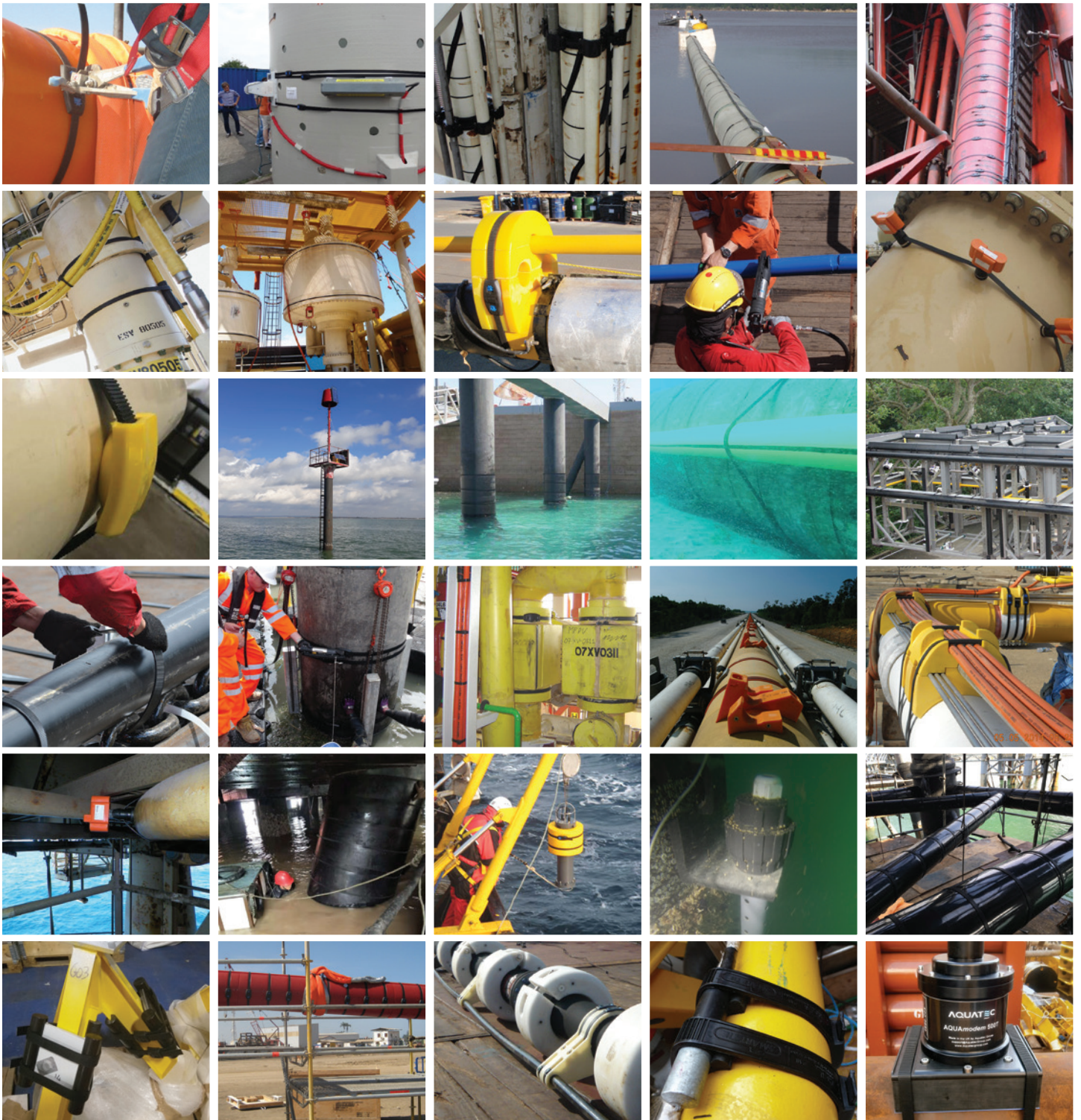


Consultancy

HCL have an experienced team of Engineers who are available to fully consult on each project with provision of specification documents and drawings.



HCL Products providing solutions to the Marine, Offshore & Subsea Industry for 20 Years



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