



API Lagooner



Remote Systems for Hazardous Environments



About Us

Established more than twenty years ago, Non Entry Systems Ltd (NESL) is a leading global manufacturer of specialist non-man entry tank cleaning equipment, sludge handling equipment and sludge treatment & oil recovery plants.

NESL is located in Swansea, South Wales in the United Kingdom and operates from an eighteen thousand square-foot facility. As all equipment is conceived, designed and manufactured on-site the facility incorporates offices, R&D, design, fabrication, assembly, testing, preparation & painting, and electrical workshops.

NESL are renowned experts in the design, manufacture and delivery of specialist equipment and systems and offer quality tailored solutions and systems that meet the needs of professional safety conscious contractors. We work closely with our customers, suppliers and end users to ensure compliance with the varying regulatory specifications in different countries. All NESL products are built to operate and last in hazardous environments and as such all products conform with the latest industry regulations such as ATEX, UL, and CE. In addition, all of the company's products are designed with functionality and user-friendliness in mind.

To ensure the highest standards possible, NESL has its own project managers who oversee each and every build. Components not manufactured in-house are sourced from trusted suppliers not only locally but from around the world that meet the same high levels of excellence as NESL. Each major component is catalogued, every serial number recorded and each item of equipment built by highly trained and experienced individuals.

All of the company's products and systems are the result of decades of design, testing, engineering expertise, innovation, dedication and first-hand experience of tank cleaning and its challenges. All these factors have contributed to NESL's equipment operating on storage facilities and refineries around the globe. Through our network of global agents, we are able to respond to any request, at any time.

Clients Include

- Department of Energy – United States
- IBKA – Europe
- Veolia – Europe & United States
- Evergreen – Canada & United States
- Waste Reduction Services Ltd – United Kingdom
- KSS – Kazakhstan
- Environ - Nigeria
- Sepor – Spain
- Clean Harbors – United States
- PSC – United States
- NG – Norway
- Denholm Macnamee – United Kingdom
- PetroTech Services – United Kingdom

Products & Services

Whatever requirements you or your client have we have a solution available and in the rare circumstances we don't have one readily available, we'll work with you and your client to find one. NESL have been put to the test many times in the past and have always been able to provide an innovative, cost effective and safe solution.

The NESL API kit is designed for the effective cleaning of API separators, interceptors, lagoons etc. and is ATEX certified for use in an ATEX Group II Cat 2 Area (Zone 1) and as with all NESL equipment it will come with a full documentation pack complete with all testing and certification required.

The API Kit is available in two forms.

1. For customers that already have an NESL mover kit we have built a conversion kit that allows the mover vehicle, reel and umbilical and power pack to be used for the base of the equipment.

The main component to the kit is the API unit. The unit simply slides into the track retention slots on the mover tracks and is bolted into position with the supplied locking bolts.

All hydraulic hoses are included with the API unit for connection to the tracks.

The on-board lobe pump is connected to the suction blade via a vacuum rated chemical hose. The discharge line from the pump is not supplied and must be sourced by the customer. Connection details are supplied.



2. For customers that don't already have a mover we also provide a complete system with all necessary components.

All controls for the kit are included. Power is supplied to the unit from the mover power pack.

The 15mtr extension hoses are simply plugged straight into the control stand. The API vehicle umbilical is also plugged into the control stand.



A powered storage reel is supplied complete with umbilical for the unit. Again the 15mtr hoses are used to power this reel. The reel comes with a simple hydraulic hand control valve for operation.

Speed control is simple as is performed by adjusting the supplied flow control valve.





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