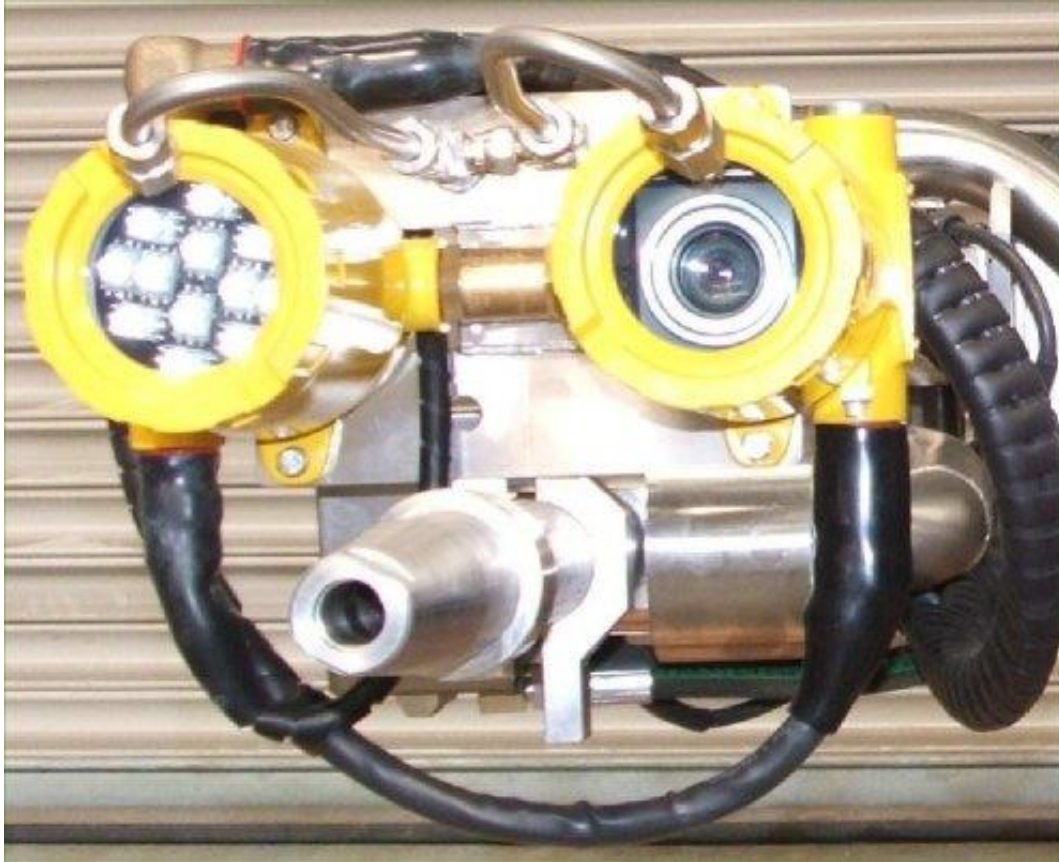




Manway Cannon



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.

Zero-man entry for tank cleaning operations is rapidly becoming standard practice in all European Countries. Answering the call from a number of contractors and end users, NESL have developed the Manway Cannon.



The latest generation of Manway Cannon Systems come completely installed inside a modified twenty foot ISO container divided into two compartments with the first compartment designated the command and control room. This room is fully lined and insulated and comes with a combined heating/air conditioning unit. Within this control room all of the necessary joysticks, buttons and switches that control the complete system, along with the three to four screens for camera feedback and computer software display, HDD DVD recorder for full cleaning operation recording, UPS in the event of power failure to prevent computer damage and a gas detection system control panel.

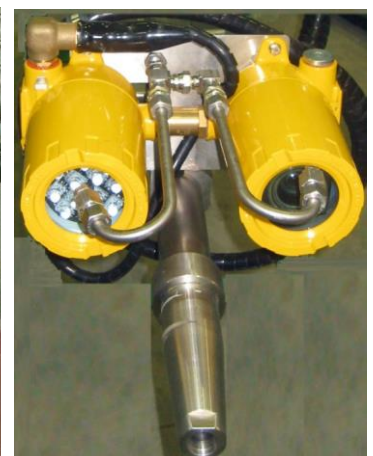


Real time graphical simulation of the cannon allows the operator not only to have the ability to clean with a fully automated system, but also allows for the continuation of cleaning operations if the tank incurs a temperature inversion.

The second compartment is designated the equipment and power room. Within the compartment an electro-hydraulic power unit is permanently installed along with stacked reels for umbilical storage. Manway cannon units and smart nozzles where required are door mounted on lift out storage frames for ease of deployment. A small pressure washer unit is also installed in the container which can be used to clean down the equipment before packing away.



Installed on the cannon mounting flange is gas detection equipment that is electrically tied into the control system allowing for automated shutdown in the event of rising gas levels or other possible safety issues.





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