

COLTRACO

Ultrasonics | since 1987

A leading British OEM of integrity in the Shipping, Naval, Offshore Oil & Gas, Fire Safety and Energy Markets.



Our Mission is:

To lead globally in the design and
Manufacture

of Ultrasonic Products & Systems
in Watertight Integrity & Fire
Safety Contents Monitoring



Who Are We ?

- Our Ultrasonic heritage is with our Chairman Mr E.C. Hunter Snr
- 27 Years in Royal Navy Sonar & Admiralty Research Laboratories
- British OEM based in London, UK
- Today with 3 generations of family in the business
- Now manufacturing 14 Products & Systems



Where did we come from?

- Deriving innovation from our background with Royal Naval SONAR & Admiralty Research Labs in Ultrasonic technology.
- Developed world's first Portalevel™ portable liquid level indicator
- Delivering PODES design - Portable – Organic – Dedicated – Environmental – Safety



Our Vision

- Currently we have units aboard 20% of world shipping fleet, 15 Navies, 5,000 Fire companies, 1,000 Offshore Platforms & Power Stations
- Our vision is to become the world's leading manufacturer of integrated management systems in fire safety contents monitoring & watertight integrity
- Within the context of a Manufacturing, Defence, Marine and Aerospace services Group of Companies.



Core Values

- Integrity in our design, manufacturing and commercial actions
- Committed to through life maintenance of all our products & systems through fixed annual cost Portacare™ programmes
- Establishment of ODA (Organisational Delegated Authority) Calibration & Repair Centres
- Maintaining a dynamic Research & Development Plan
- Technical path towards integrated management system capabilities across our 2 Technology Groups



Tech Group 1

Fire Safety Contents Monitoring

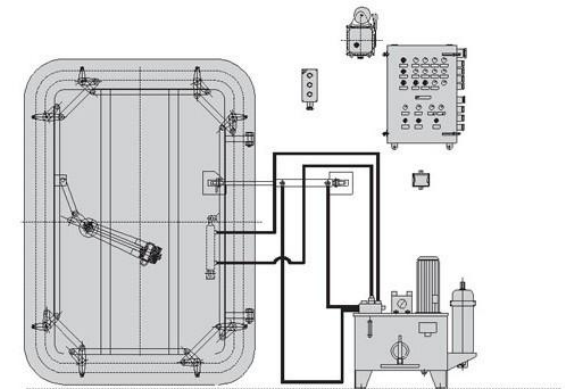
- Fixed fire suppression systems are stored at high pressure, containing CO₂, FM200™, NOVEC 1230™, FE-13™, FE-25™, old Halons & HFC-227™
- When stored the only means of checking contents is to dismantle & weigh the cylinders, typically done once a year for certification
- Coltraco manufacture the most complex and dynamic range of Portalevel® portable liquid level indicators
- We also manufacture two 24/7 fixed monitoring systems Permalevel® Single Point and Permalevel® Multiplex
- 15,000 units in service in 104 countries.



Tech Group 2

Watertight Integrity Monitoring

- In Shipping, leaking hatch-covers are a core safety at sea concern
- In Offshore Oil & Gas Installations watertight compartment doors & cable transit areas are a core capsizement concern
- In Naval warships, submarines & naval logistic vessels, watertight compartment doors, cable transit areas & operational Citadels are core Naval damage control safety & survivability issues
- Coltraco manufacture the world's leading Portascanner® portable watertight integrity test units for testing vessels alongside
- Permascanner® Dynamic is the world's first semi-fixed system for use whilst the vessel is at sea



water- & weather-tight doors

Tech Group 3

Supporting Products

- Portagauge™ range of portable ultrasonic thickness gauges for corrosion monitoring
- Portasonic™ portable ultrasonic flow meter for monitoring liquid flow rates in pipes

New Product Releases – December 2013

- Stun Flash Repel™ - Anti-boarding and anti-stowaway maritime security product
- Anglo Marine's Range of fixed shipboard oxygen & gas monitoring systems
- Composite material flaw detector for aerospace



Exporting Worldwide

Exporting 90% to 104 countries in :

- Shipping
- Defence
- Naval
- Fire Protection
- Power Generating,
- Offshore Oil & Gas
- Electricity & Gas Transmission
- Mining
- Aluminium & Steel
- Telecommunications
- Banking & Finance
- Data Centers
- Rail
- Hotels
- High Rise Buildings

Distributing through 200 Agents, Distributors & Representatives in our worldwide network



Oil & Gas case study
Transocean

The world’s largest fleet of Offshore Rigs & Platforms, now using Portascanner

“It [Portascanner] is a living document for procedures and planning at the moment and the compilation should be fully “robust” shortly. The lads are working well with special attention towards WTI [watertight integrity testing] with the new “magic wand”, seeing chalk tests that show doors to be watertight, are nothing more than weather tight in some cases. We introduced this new kit as a compulsory requirement to the Division and the findings so far have been “enlightening!” should we say.”

Fire Servicing case study
SimplexGrinnell

An American total fire solutions corporate with branches throughout the USA:

The **Portalevel®** is used in many of their branches across the country for their fire suppression systems servicing operations. There is also the potential for them to sell on to particular customers of theirs with fire servicing contracts who wish to have an enhanced level of safety in-house to give more meaning to the regulatory 6 month /annual tests.



And so many more who we would like to thank.

Defence (Naval) case study

UK MOD DE&S Capital Ships

For the UK Royal Navy onboard the HMS Albion, HMS Bulwark & HMS Atherton:

Portascanner® II was used onboard to test the integrity of the seals and cable transits which had recently been sealed by a company we work with called CSD Sealing. This proved to be so successful and is now a method of inspection adopted by Babcock Marine and the MOD to help prove integrity. Also used for testing watertight bulkheads and decks on HMS Atherton with BAE Systems and subsequently the Ultrasound Scanner was adopted as a method for proving watertight integrity.

Shipping Case Study

Fleet Management Limited (FML) Hong Kong

For monitoring hatch-covers & water-/weather-tight seals

The **Portascanner® II** is currently in service across the entire Bulk Carrier Fleet Managed by FML. It was introduced for the Safety advantages it offers and the benefits it could bring to the owners for a relatively small financial outlay. In ensuring the Hatch-Covers are secure and are not at risk of leaking, not only does it improve the safety of the vessel by protecting the crew and cargo, but it also helps to mitigate water ingress damage and thus cargo claims.



And so many others who we would like to thank.

Looking to a future in which...

- Our designs are embedded into regulatory frameworks;
- Product & System capability upgrades to become integrated management systems
- Tech Group 1 will become the industry standard for contents monitoring of fixed fire suppression systems
- Tech Group 2 will become the industry standard for permanent monitoring of watertight integrity status at sea
- With the system data across both Tech Groups able to manage global assets at head office locations



From the British OEM
with a Global Mission.
Thank You.

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With units on 100 Offshore
Oil Platforms in the North Sea



Exporting to over
90 countries worldwide



With units on over
9,000 vessels worldwide