For over fifty years IMI Truflo Marine continue to offer engineered valve solutions. Our products have an outstanding reputation for integrity and reliability in the most demanding environments. Our high integrity valves provide faultless performance in extreme applications with technology developed in the naval marine industry for nuclear submarines.

IMI Truflo Marine offer in-house design, research and development, quality assurance, supply chain management and project management capabilities. Providing through life support and obsolescence management for in-service nuclear stations and marine platforms from concept to decommissioning and disposal.

IMI Truflo Marine

We are a market leading specialist in the design and manufacture of high integrity valves, actuators and pressure reducing stations for critical nuclear and naval marine applications.
Critical applications

Naval Marine
With over 120,000 valves currently in service with 24 navies worldwide, IMI Truflow Marine has an impressive record in providing the highest quality products and services to international navies and ship builders. The extensive knowledge and experience we have accumulated facilitates a reputation as the market leader in designing, manufacturing and supplying valves in the naval marine industry.

IMI Truflow Marine valves have a high flow capability and quick shut off, vital to the functioning of critical systems on board. Truflow has the capability to supply valves for any system on board a submarine or surface ship.

Nuclear
IMI Truflow Marine has supplied top entry ball valves to the nuclear sector for over 35 years. Many of the valves originally supplied for duty on the primary CO2 cooling circuits to the (then) new Heysham 2 and Torness sites are still in service today. Since that time we have supplied nuclear valves into most other UK nuclear power plants and as far afield as Sweden and Russia.

IMI Truflow Marine also offer specialist component manufacture to support nuclear fuel fabrication, reactor internals and support services. We provide machining, fabrication, welding and assembly capabilities to nuclear partners. Truflow help you to realise your product from conception to completion.

Key technologies

Hull Valves
IMI Truflow Marine's range of high quality hull isolation valves are used on sea water systems. We manufacture both end entry and top entry solutions in order to cater to a vast array of requirements from our naval customer base. Our top entry valves offer the same reliability as our end entry range but were developed to be more suitable for small envelopes where space is at a premium.

Our base range of hull valve bodies are machined from a forged billet using Aluminium Bronze for the best operation under testing conditions. Available in a range of sizes and material specifications with the option of titanium trim.

Top Entry Ball Valves
IMI Truflow Marine supply a range of top entry ball valves with proven history of service on submarines and in nuclear power stations. Manufactured in a range of materials selected to suit the application, with interchangeable seat materials. A quality assured product with full material traceability, designed and manufactured to meet the highest required standards. Providing qualified pressure, life cycle, shock and seismic testing to customer specifications a speciality.

Hydraulic and Pneumatic Actuators
Our precision engineered bespoke actuators are rugged, dependable and corrosion resistant. They offer a compact, space saving solution to operate quarter turn ball valves. The range has been performance seismic tested to extreme vibration and shock resistance levels. With double acting and spring return models installed and proven in the most demanding environments.

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