



Equipment for
naval vessels

TTS Group has many years of experience working with the world's foremost navies and coast guards. Our solutions and equipment developed for naval customers is built on a deep understanding of the demanding environments in which our offshore and commercial customers operate, as well as a rigorous knowledge of requirements concerning shock, noise and logistics support demanded by navies.

Movable ramps

TTS is a world leading designer and supplier of internal and external cargo access ramps. We can supply equipment for the many special requirements of navies such as submerged stern ramps and ramps for variable quay height, as well as side, quarter, stern and slewing ramps. Basic to all TTS naval equipment are characteristics such as watertightness and reduced radar cross-section (RCS) when acting as a door.



Internal liftable/hoistable vehicle decks and ramps



TTS expertise in vehicle decks and ramps has made us a global leader and the first choice of the world's largest vessel operators. A number of governments have entrusted TTS to provide custom solutions in order to enhance flexibility and operational effectiveness of their vessels. Requirements such as water/gas tightness, adjustable heights and design for heavy loads can be accommodated.

Hangar doors

TTS specialises in hangar doors of all types including foldable, roller gate and sliding. With over 100 vessels operating primarily in the harsh offshore environment, TTS hangar doors are well proven for daily operation. Special requirements such as design for extremely high wind speeds, emergency operations and dead ship scenarios can be accommodated.



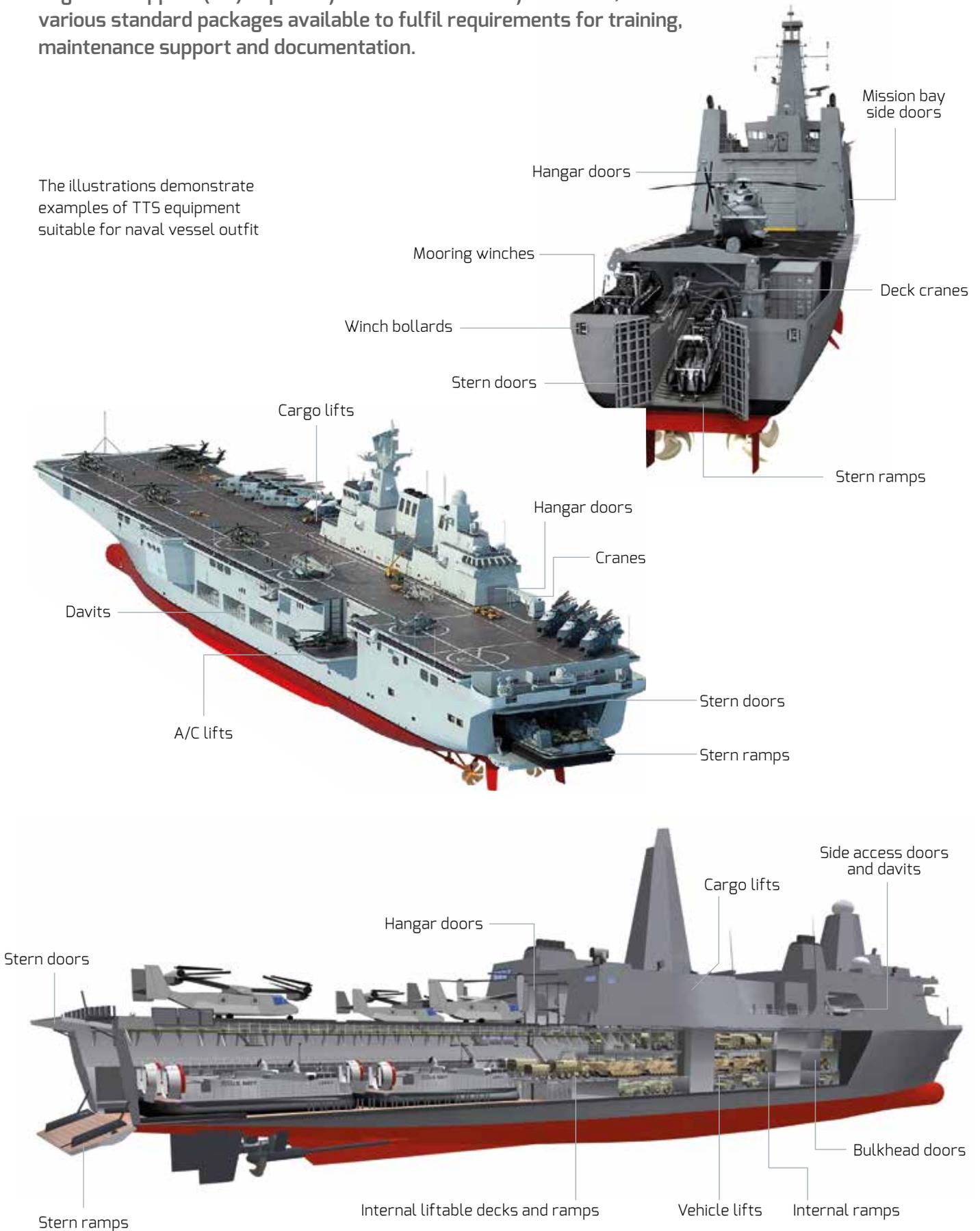
Bow, mission bay and stern doors



Custom hull access doors of all types are available including sliding, roller gate, folding, and hinged. Depending on type, these can be supplied as watertight or weathertight. Special consideration is taken to ensure flexibility for various naval operating requirements such as RCS minimisation and the rapid deployment of equipment.

TTS equipment can be specified for use on numerous types of naval vessel such as offshore patrol boats, corvettes, frigates and aircraft carriers. Working closely with TTS during the early design phase ensures maximum flexibility in optimising cargo access solutions and integrating them with onboard systems. TTS's Integrated Logistics Support (ILS) capability is tailored to meet your needs, with various standard packages available to fulfil requirements for training, maintenance support and documentation.

The illustrations demonstrate examples of TTS equipment suitable for naval vessel outfit



There is a growing need for solutions to the effective deployment of equipment such as RIBs, USVs and UUVs onboard all types of naval and coast guard vessel. Land based logistics solutions such as linkspans, crew gangways and automooring are also needed for efficient naval operations. TTS expertise in hull access and port equipment is tailored to meet these specific requirements, whether on shore or at sea.

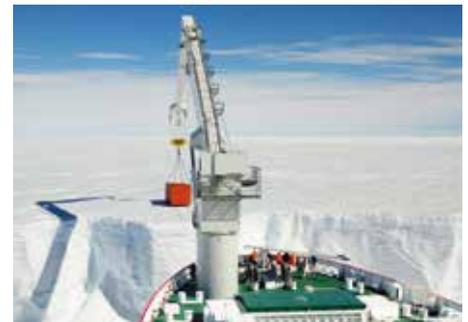
Hatch covers and cargo lifts



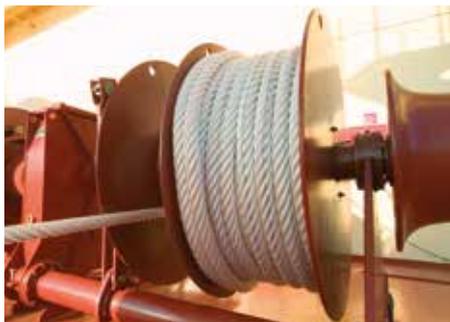
TTS hatch covers are well suited for use on auxiliary naval vessels where low weight – combined with numerous patented solutions such as end folding, side rolling and single flap pontoon covers – is typical of our naval equipment supply. Our cargo lifts provide the best solution to the problem of transferring military vehicles between deck levels in naval ships where longitudinal space is limited.

Cranes

TTS cranes are known for their rugged construction and are supplied to a large customer base, some of which operate in harsh offshore environments. The cranes are custom-designed and can be delivered fitted with one of the world's most advanced heave compensation systems if specified by the customer.



Mooring/anchoring winches and davits



All TTS winches are designed to meet hydraulic and electrical class requirements. Our unique self-contained models have electro-hydraulic drives with built-in power packs, reducing maintenance costs and minimising risk of oil spill and damage. TTS davits are available in a number of custom configurations – such as A-frame, swing-out and telescopic – all designed to meet the latest SOLAS requirements.

Shipyard solutions

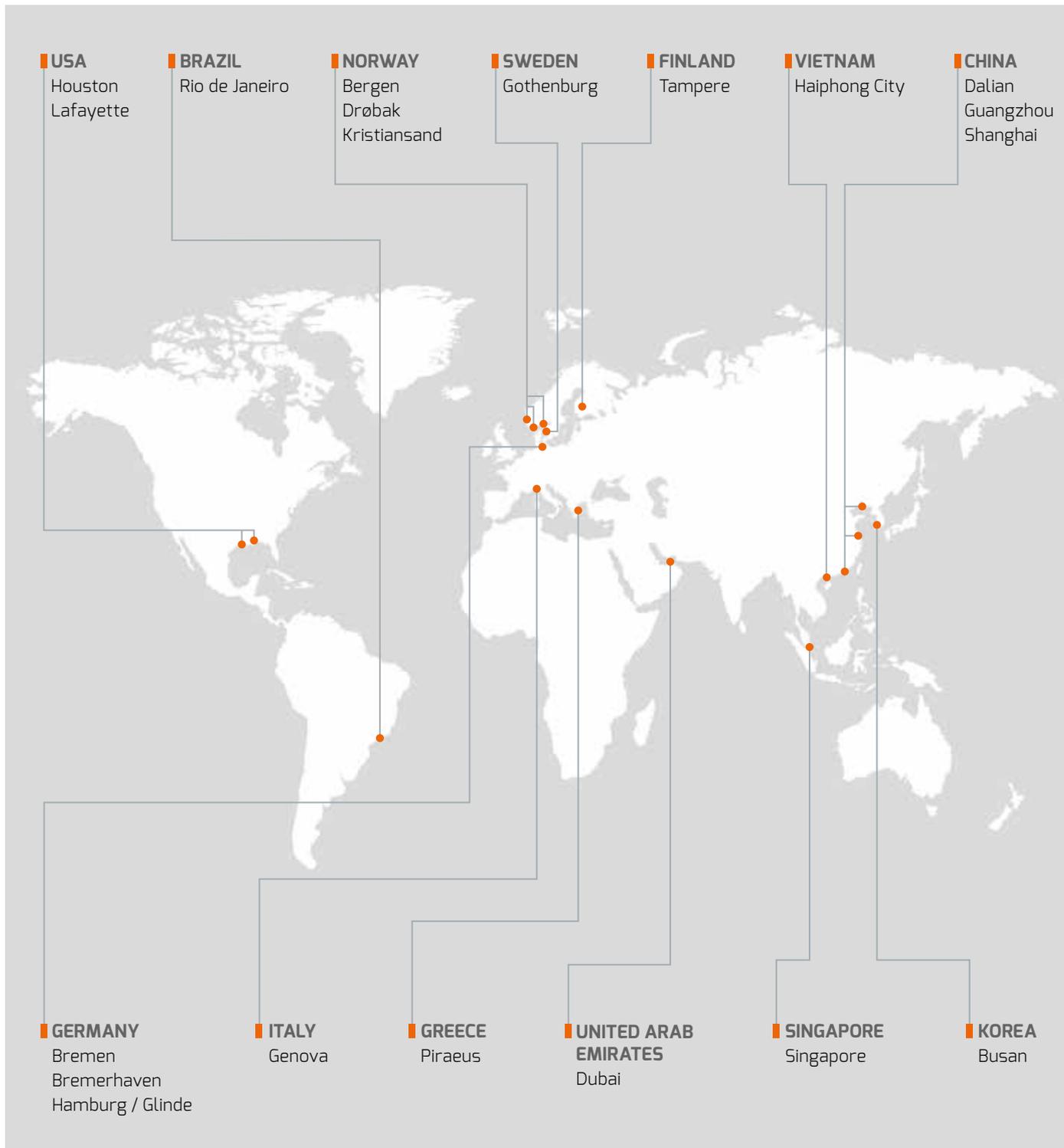
TTS Syncrolift is a world-leading supplier of the design, construction and installation of heavy loading systems for naval shipyards. TTS solutions are able to provide high capacity repair and service facilities while using a minimum of space. Over 20 naval yards throughout the world use TTS equipment to enhance their operations.



Services

With a worldwide network of strategically located offices and service stations, TTS commands global as well as local presence. We understand that high value assets cannot be allowed to stand idle, so we have built a global service network of highly qualified maintenance professionals that operates around the clock to support customers wherever they are located.

Our services portfolio includes spare parts, technical support, inspections, surveys, maintenance, repairs, service agreements, modernisation, conversions and training. Our expanding service network is focused on maximising its availability to your fleet and tailored to meet the needs of naval vessels worldwide.



Competence, reliability and trust are the hallmarks of our business, and we work hard with customers to ensure the effectiveness of equipment throughout the ship's life cycle.

We understand that expensive assets cannot be allowed to lie idle, and that onboard space must be used to the maximum. So, from RoRo equipment such as ramps, car decks and linkspans, through hatch covers to cranes, winches and equipment for cruise ships and shipyards, our focus is on creating and delivering products and tailor-made service solutions that allow vessels to operate to their full capacity at all times.

The logo consists of the letters 'TTS' in a bold, white, sans-serif font, centered within a dark teal square.

www.ttsgroup.com