

WELDING ALUMINIUM TO STEEL



Shipbuilders have known for years that TriClad products are the best solutions to save money on both construction and maintenance. Structural transition joints offer enhanced reliability for components to operate properly during critical times.

GET TO KNOW TRICLAD®

Merrem & la Porte Hitech Metals division is the world's leading supplier of TriClad, aluminium to steel transition joints, for the ship building industry. The product is used to provide an efficient and maintenance free welded connection between aluminium and steel structures on board vessels and off-shore constructions.

TriClad is committed to providing customers with the best possible service, both technical and commercial. From delivery to fabrication our customers receive high-quality, cost-efficient clad materials.

WELD SUPERIOR SHIPS WITH TRICLAD TRANSITION JOINTS

RELIABLE PARTNER



Our team offers short delivery time, prompt response to commercial and technical queries and on-site fabrication support.

TECHNICAL SOLUTIONS



All products meet material requirements by EN10204/3.2 Certificate of Lloyd's Register according to MIL-J-24445A.

EXPERIENCE



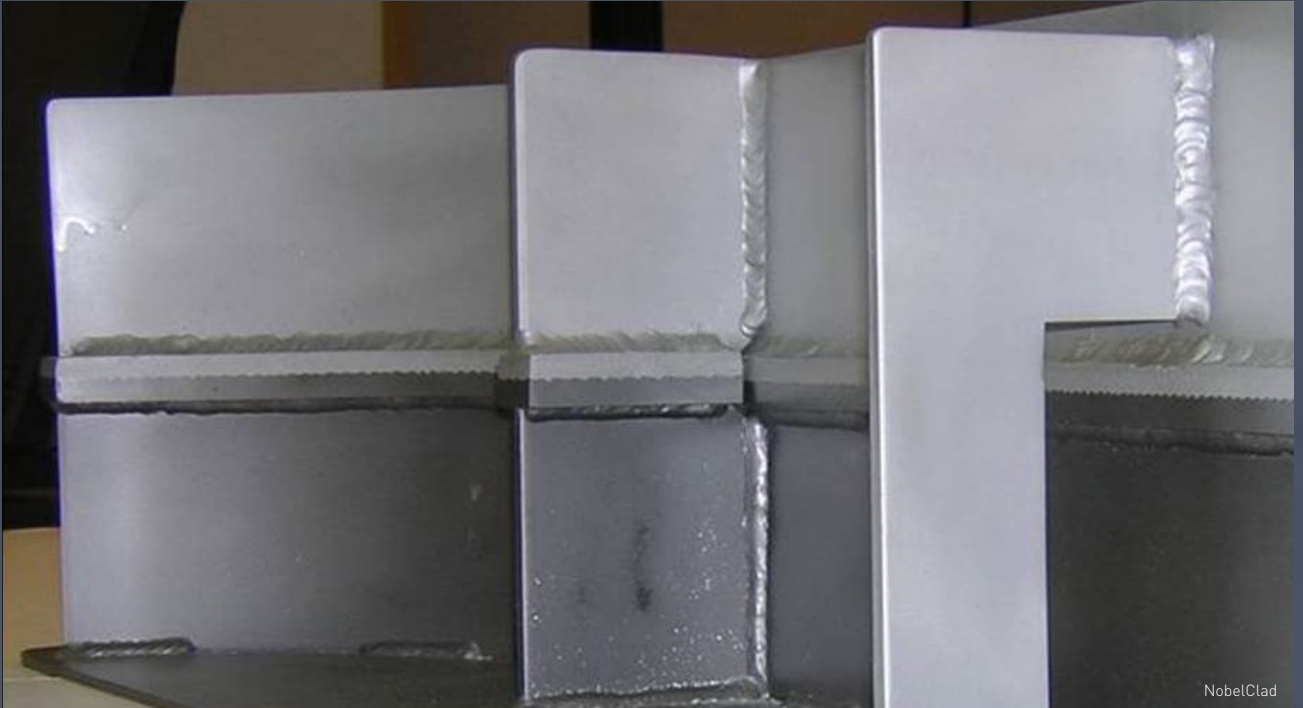
Our knowledgeable, global staff has over half a century of expertise in the structural transition joint and maritime industry.



ICON Yachts Harlingen

PHOTO

Transition joints can be used to add additional accommodations to existing vessels.



STRONGER WELDS

Structural transition joints are bimetallic strips or pads used to weld dissimilar metals.

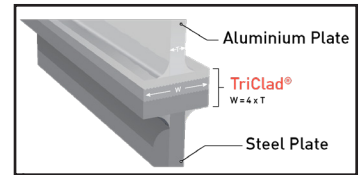
Their uses are generally found in marine construction, but are equally applicable in other industries where a permanent, maintenance free joint between aluminium and steel is called for.

The benefits of structural transition joints have been proven by extensive testing as well as long-term performance in actual service of thousands of ships.

This construction has become the standard of the industry for over 50 years, and is approved by maritime authorities throughout the world.

THE BEST OF BOTH METALS

To build the most reliable vessel, cruise ship or superyacht, you want to use TriClad® transition joints for one of the most important welds in your ship.



COMPOSITE STRENGTH & PERFORMANCE

NobelClad® explosion welding technology offers even stress distribution as the interface exhibits the highest mechanical strength on the market

RESISTANT TO GALVANIC CORROSION

After welding and painting, corrosion is mitigated for a water resistant and watertight seal

QUALITY CERTIFICATIONS

Trust products that are universally tested and approved by maritime authorities including: MIL-J-24445A and EN10204/3.2 (Lloyd's Register), RINA, DNV, BV or ABS

EASY INSTALLATION, MAINTENANCE FREE

Save time and money with custom-engineered products to improve installation and service life; in fact only one operative is needed for installation

ON-TIME DELIVERY

Our large inventory and distribution network assures your product arrives when you need it

PHOTO

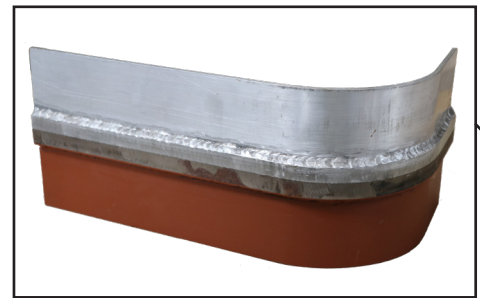
Structural transition joints are often used to fit shelter decks to steel fishing boats.

TRANSITION JOINTS FOR SHIP BUILDING

Aluminium to steel weldability of TriClad® transition joints has given naval architects and ship builders increased reliability, lower production time and the freedom to maximize the benefits of both materials.

Common applications of transition joints are used to:

- Join aluminium superstructures to steel decks.
- Join aluminium decks or bulkheads to steel hulls.
- Fit shelter decks to steel fishing boats.
- Retrofit “containers” of electronic equipment to steel decks of defense ships during refits.
- Add accommodation to existing vessels like helicopter pads.
- Fit components, such as pillars or partitions where a permanent joint is required.



A LEGACY OF EXCELLENCE



NobelClad® is the only company to deliver the highest shear strength and the highest tensile strength across every combination.



PHOTO

TriClad® transition joints can be found in luxury yachts, cruise ships, military ships, coast guard patrol boats, fishing boats, high speed catamarans and more.

**LEARN MORE ABOUT
TRICLAD® TRANSITION
JOINT APPLICATIONS,
TECHNICAL INFORMATION
OR WELDING GUIDELINES.**

CONTACT US!

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