



# Being at sea never felt better



**Marine and Energy**

# Trelleborg Industrial Anti-Vibration Solutions



**With over 100 years of experience, Trelleborg Industrial AVS make improvements people can physically feel. From smoother travel to quieter, more efficient machines, we make life feel better. With quality, testing and compliance built in, we're in it for the long haul, ensuring your solution never felt better, over an extended and often arduous life-cycle.**

**With three state-of-the-art manufacturing plants across the globe, our experience in rubber to metal bonding enhances a range of industries, including off-highway vehicles, rail and mass transit, marine and energy and general industry. The Metalastik and Novibra product ranges in particular epitomize the expertise and rich heritage of our anti-vibration solutions.**

**We offer an end-to-end service, to take you from concept through design, manufacturing and testing to delivery, helping you cut costs, mitigate risk and receive on time, on budget delivery.**





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## **PERFORMANCE THAT'S NEVER FELT BETTER**

To meet cost targets, you need products that support your specific project and application. We know you need the right batch size and on time delivery so you can effectively and reliably manage logistics and keep costs low. Our established, stable supply of low maintenance solutions will enable you to confidently predict and reduce costs, and successfully manage your project. Securing assets and investments is our specialty. Our technology supports, protects and enhances the reliable performance of marine vessels and equipment in the harshest environments.

Building on our long history and track record, we're always evolving our solutions to pre-empt and meet the needs of our customers. Our expert polymer technologies create maximum business value through improved longevity, productivity and cost effectiveness, optimizing comfort, health and safety, to ensure crew and passengers have never felt better.

## **QUALITY, RELIABILITY, SAFETY**

Focused on advanced technology and design, Trelleborg provides the know-how, skill and technical expertise to develop solutions that ensure your organization has never felt better. All our solutions are based on the idea of intelligent innovation: unique to your project and developed in the most cost effective way.

We understand the marine environment and provide the product performance and service it dictates. You can feel confident our products will meet and exceed the demands of long and arduous lifecycles, in extreme and variable situations.

As part of our dedication to continuous improvement, our skilled R&D team is constantly working to evolve our solutions, working closely with customers to pre-empt and rise to changing markets and requirements.



## **PARTNERSHIP ETHOS**

We believe that working in partnership will achieve the best results for our customers. Our specialist teams will assist you from specification and design to post-installation. We also deliver training for our customers on getting the best out of our anti-vibration systems.

## **LOCAL PRESENCE, GLOBAL REACH**

Trelleborg Industrial Anti Vibration Solutions is part of Trelleborg Group, which employs 15,000 people in over 40 countries. Whatever your challenge, whatever your role and wherever you are, we are nearby to offer expert knowledge and quality solutions.

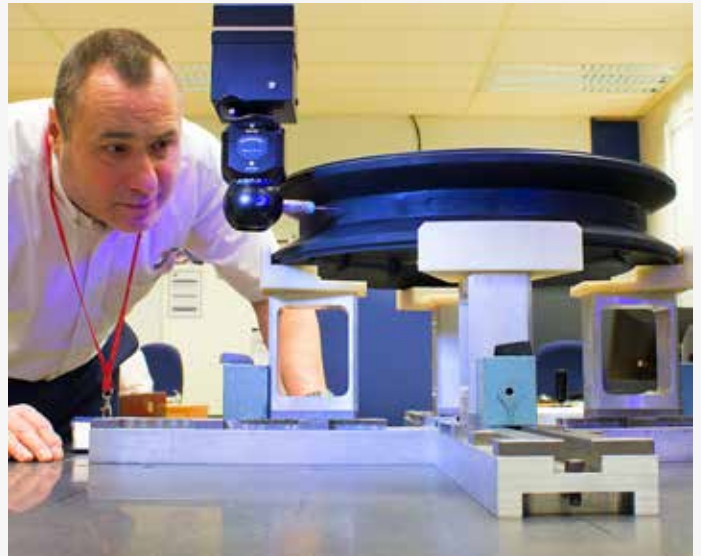
## **TECHNICAL EXPERTISE**

Trelleborg is a world leader in the design and manufacture of rubber to metal bonded components for noise and vibration isolation. We have an extensive range of high quality products for the marine and energy sector. Our portfolio distills the experience and learnings of over 100 years in the industry, and every product is subjected to rigorous in-house testing before going to market.



# Customized Solutions

In addition to our range of ready designed solutions, we specialize in purpose-driven design, engineering bespoke solutions to resolve specific noise and vibration problems. Bespoke anti-vibration and noise suspension systems from Trelleborg are guaranteed to meet specification, regulations and certification requirements, with on time and on budget delivery, to help you navigate complicated logistics and avoid unnecessary downtime.



## HIGH LEVELS OF SERVICE

Our shock, noise and suspension systems are tailored to your unique situation, and our dedicated customer service team supports your entire project from concept, through manufacturing, to testing and installation with on-going, reliable communications.

We offer flexibility with logistics, paperwork and packaging, and our entire offering is supported by convenient communication, tailored to the way you talk. Our high quality products are subjected to stringent testing, by the most rigorous in-house material and product procedures.







Have a look at our range of marine and energy solutions below, or get in touch to see how we could engineer a bespoke solution for your project. Further technical information can be found in our product catalogues.

DESCRIPTION	PRODUCT
<p>Cushyfloat HT                      Caters for higher trust load requirements                      Excellent vibration isolation properties                      Limits excessive moment under shock loading</p>	
<p>BA and Double U-Shear range                      Provides excellent isolation of low frequencies                      Permits high deflections                      Suitable for low speed machinery and equipment</p>	
<p>Buffer product range                      Easily fitted                      Oil and nitrate resistant Nitrile Rubber                      Protects structures and equipment from impact forces</p>	
<p>Cushyfoot product range                      Robust design                      Large variety up to 1.6 tonne load                      Trelleborg original design</p>	
<p>Cushyfloat product range                      Trelleborg original design                      Low lateral stiffness                      Simple to install</p>	
<p>Cylindrical mount product range                      Simple to install                      Suitable for a range of applications                      Wide variety of sizes</p>	
<p>Cushymount product range                      Compact fail safe design                      High capacity                      Dissimilar stiffness</p>	
<p>D-Series product range                      Low frequency isolator                      Compact design                      Low level shock isolator</p>	
<p>DX mount                      High level vibration isolation                      Modular design                      Highest level shock isolator</p>	
<p>Metacone product range                      Large static deflections                      Compact fail safe design</p>	





## **QUALITY NEVER FELT BETTER**

Trelleborg specializes in isolation, attenuation and suspension solutions of unshakeable quality and reliability. Trelleborg's products are specified by leading shipbuilders, marine energy builders and manufacturers of ship borne equipment and machinery. We also work closely with European naval forces to supply anti-vibration and shock mountings for use on surface fighting ships, submarines and supply vessels.

## **PERFORMANCE NEVER FELT BETTER**

Marine design is constantly evolving, as is the technology used to reduce excessive vibration and noise. Trelleborg is continuing to lead the way in this crucial area of marine engineering.

Our marine product range is extensive and expanding. It includes mounting systems for use with main propulsion engines of all weights, generator sets, auxiliary machinery and exhaust systems. Metalastik® mounts isolate deckhouses and cabins from the hull on cruise liners, ferries, workboats and luxury yachts, ensuring comfort and noise isolation in accommodation areas. For defense applications, our mounting systems are used to protect sensitive equipment and improve safety and comfort levels for all crew members.

## **SUPPORT NEVER FELT BETTER**

In the marine industry, logistics can be a challenge, especially as project locations get more remote. What's more, minimum order values and quantities can be restrictive and make it difficult for you to get exactly what you need. Our strong, global supply chain and dedicated service can adapt to and support your logistics, making us a supplier you can rely on.

A photograph of a middle-aged man with grey hair and glasses, wearing a white lab coat over a blue shirt. He is focused on his work in a laboratory setting, with various pieces of glassware and equipment visible in the background. The lighting is soft and professional.


# Quality and innovation

**With downtime at a premium, you need solutions and services that just work. Harsh and variable conditions demand high quality, low maintenance products and stringent testing. So, our solutions encompass these factors and more: enabling you to keep costs low over the whole project and product lifecycle.**

You need to work with quality products to ensure your marine machinery performs to its full potential. Trelleborg's global footprint ensures that once you've found the high quality product you need, it will be available in multiple locations, so you'll have consistent, quality supply and testing.

As well as a standard range of products, we're constantly innovating to design and manufacture bespoke solutions that will match the specification of even the most demanding projects and environments.





Trelleborg Industrial AVS make improvements people can physically feel. From smoother travel to quieter, more efficient machines, we make life feel better. With quality, testing and compliance built in, you have the confidence you're dealing with a true partner that understands your challenges and will ensure your people and passengers have never felt better.

**Never  
felt better**



Using advanced polymer technology, Trelleborg's industrial anti-vibration solutions (IAVS) operation specializes in the field of rubber-to-metal bonding for the removal of unwanted noise and vibration. Solutions include mountings, bearings and suspension. As part of the Trelleborg Industrial Solutions business area of Trelleborg Group, Trelleborg's IAVS operation utilizes over 100 years of experience to provide solutions for numerous applications and environments, with a reputation of high quality, performance and service life. Markets include rail, marine, industrial and off-highway. The company focuses on isolation, attenuation and suspension solutions of unrivalled quality and reliability. The company's commitment and expert polymer technologies create maximum business value through improved longevity, productivity and cost effectiveness, while also optimizing comfort, health and safety. [www.trelleborg.com/anti-vibration-solutions](http://www.trelleborg.com/anti-vibration-solutions).

[WWW.TRELLEBORG.COM/ANTI-VIBRATION-SOLUTIONS](http://WWW.TRELLEBORG.COM/ANTI-VIBRATION-SOLUTIONS)



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