



**A WORLD OF MATERIALS**

# EXCEPTIONAL

## PEOPLE

---

At TENMAT, we strongly believe that it takes exceptional people to invent, design and create the outstanding products necessary to constantly exceed industry standards and meet the demands of our customers' challenging applications.

Our highly skilled workforce is essential to TENMAT's success, and through significant investment in recruitment, training, and personal development we continue to strengthen our position as one of the leading developers and manufacturers of advanced materials and components.

---

## PRODUCTS

---

TENMAT's diversified range of exceptional materials and components includes composite wear parts and bearing materials, high temperature resistant materials, engineering ceramics, hard metals, and passive fire protection solutions.



---

## PERFORMANCE

As a result of TENMAT's engineering expertise and strong tradition of innovation, many of our products are market leaders in terms of wear performance and extreme temperature resistance.

TENMAT's advanced materials combine high strength with excellent wear characteristics and durability, delivering exceptional performance in even the most demanding applications.





## QUALITY

TENMAT operates an ISO 9001:2008 Quality Management System for the design, development and manufacture of specialised high performance engineering materials and components.

Here at TENMAT, we have always made the quality and consistency of our products a top priority and are working continuously on exceeding our customers' expectations.

TENMAT's product quality is consistently monitored by our in-house quality control engineers and regularly tested and qualified by independent third party testing facilities and classification authorities.

In 2012 and 2013 TENMAT's commitment to the development of high quality products and materials was awarded with the prestigious Queen's Awards.



**TENMAT**  
ADVANCED MATERIALS





As a forerunner in the development and manufacturing of water lubricated bearings, TENMAT's RAILKO & FEROFORM grades are trusted in highly critical applications, such as cruise ships, container vessels, nuclear submarines, and mega yachts.

From the Tropics to the Arctic, no environment is too harsh for TENMAT materials.





# Advanced Materials







TENMAT's forward thinking scientists developed the next generation of low noise, long lasting, non-metallic components for safety critical applications.

RAILKO components keep busy rail networks on track, successfully carrying heavy loads to allow the industry to further build upon its high levels of safety for the long term.





# Moving Forward







Eager to maintain its best-in-class position, TENMAT is constantly working with its customers and partners to develop revolutionary solutions and materials, such as slipcoats for automotive weather seals and cutting edge ceramic coatings for hyper performance brake discs.





# Driven Personality







TENMAT's top quality products comply with the most stringent international standards and are specified in challenging and critical applications, such as sub-sea pipeline valves, Ariane rockets, and aircraft engines.





A full-page background image showing the silhouette of an offshore oil rig against a bright orange sunset sky. The rig's complex lattice structure is prominent, with various platforms and ladders visible. In the foreground, the dark, crisscrossing legs of a support structure are visible, framing the lower part of the image.

# Quality First





TENMAT Advanced Materials have proven themselves for decades as reliable, long-lasting components, specially designed for the most demanding of applications. Today, millions of pumps and compressors around the world rely on TENMAT's industry leading rotor vanes to deliver top performance.





# Reliable Performance





# Gr



FEROBIDE, the latest TENMAT innovation, is destined to change the wear parts industry. FEROBIDE is an innovative tungsten carbide composite material that combines a high level of wear resistance and toughness with the ease-of-use and reliability of a fully weldable material.





# oundbreaking Innovations







TENMAT bearings are key components of the Ariane space programme, and other commercial and military aerospace projects. TENMAT materials have proven themselves in environments with extreme temperature changes, abrasive conditions and high corrosion.





# Reaching New Heights







Specifically developed for high temperature applications, TENMAT materials such as FIREFLY, NITRASIL, SINDANYO & ARCLEX have proven themselves to work even in the most arduous and harsh environments such as aluminium, steel and glass works, as well as nuclear power plants.





# Taking the Heat







TENMAT's award winning passive fire protection solutions are protecting lives and property around the globe.

Whether it is your home or a multi-million project such as the Olympic village of the 2012 London games, TENMAT has the right solution.





# Protecting Lives





# 100 Years and Counting



## The TENMAT Story

The TENMAT success story began more than 100 years ago in Trafford Park, one of the first planned industrial estates in the world and still the largest of its kind in Europe.

It has been here at TENMAT, where some of the world's first non-asbestos composite materials were developed, manufactured and supplied around the globe.

Since the 1990's the company has experienced unparalleled growth, expanding to become a multinational corporation with presence in the United Kingdom, Italy, Sweden, the USA, Germany, and France.

In 2006 TENMAT acquired Railko Ltd., further strengthening its leading position in the rail and marine markets.



Today, TENMAT is part of Diamorph AB and employs over 300 people worldwide in the manufacturing and distribution of technically advanced materials and components.

To meet tomorrow's needs for innovative solutions, TENMAT operates a state-of-the-art in-house R&D laboratory and continuously develops highest quality products.

You can count on TENMAT to deliver the next generation of advanced materials for the world's most demanding applications.





# TENMAT

ADVANCED MATERIALS

## Advanced Materials and Components

TENMAT manufactures a diverse range of thermosets, thermoplastics, hard metals, engineering ceramics, intumescent, and refractory products.

TENMAT components offer outstanding resilience, toughness, wear protection, temperature resistance, and long lasting performance.

*FEROFORM*

Low friction, thermoset composites, ideal for wet and dry conditions

**RAILKO**

Self lubricating resin bonded composites with technically advanced friction modifiers

*FEROGLIDE*

Metal backed self lubricating bearings

**FEROBIDE**

Weldable tungsten carbide tiles

REFEL

Fine grained reaction bonded silicon carbide

**NITRASIL**

Reaction bonded silicon nitride

**ARCLEX**

Glass bonded mica

SINDANYO

Non-asbestos fibre reinforced cement boards

REFRAVER

High temperature glass-fibre cement composite

***FIREFLY***

Advanced thermal millboard and innovative passive fire protection solutions





*FEROFORM* **RAILKO** *FEROGLIDE* **FEROBIDE**

REFRAVER REFEL **ARCLEX**

***FIREFLY*** **NITRASIL** SINDANYO

TENMAT is committed to the highest standards in customer service, and the members on our international staff are looking forward to assist you.

**CORPORATE HQ**

TENMAT **Ltd.**  
Ashburton Rd West  
Trafford Park  
Manchester M17 1TD  
England  
Tel.: +44(0)161 872 2181  
Fax: +44(0)161 872 7596  
Email: [info@tenmat.com](mailto:info@tenmat.com)  
Web: [www.tenmat.com](http://www.tenmat.com)

**NORTH AMERICA**

TENMAT **Inc.**  
23 Copper Drive  
Newport, DE 19804  
USA  
Tel.: +1 302-633-6600  
Fax: +1 302-633-6838  
Email: [info@tenmatus.com](mailto:info@tenmatus.com)  
Web: [www.tenmatus.com](http://www.tenmatus.com)

**SCANDINAVIA**

TENMAT  
Stureplan 13  
111 45 Stockholm  
Sweden  
Tel: +46 (0) 8 612 68 50  
Fax: +44 (0) 161 872 7596  
Email: [info@tenmat.com](mailto:info@tenmat.com)  
Web: [www.tenmat.com](http://www.tenmat.com)

Visit us on the web at [www.TENMAT.com](http://www.TENMAT.com)

**ITALY**

TENMAT  
Via Dante, 2/48  
16121 Genova  
Italy  
Tel.: +39 (0) 10 5451343  
Fax: +39 (0) 10 5760553  
Email: [info@tenmat.it](mailto:info@tenmat.it)  
Web: [www.tenmat.it](http://www.tenmat.it)

**FRANCE**

TENMAT  
56 Avenue Foch  
77370 Nangis  
France  
Tel.: +33 (0) 1 60 585656  
Fax: +33 (0) 1 64 083617  
Email: [info@tenmat.fr](mailto:info@tenmat.fr)  
Web: [www.tenmat.fr](http://www.tenmat.fr)

**GERMANY**

TENMAT  
Tel.: +49 (0) 7151 1338468  
Fax: +44 (0) 161 872 7596  
Email: [info@tenmat.de](mailto:info@tenmat.de)  
Web: [www.tenmat.de](http://www.tenmat.de)