

Technical Wear Solutions

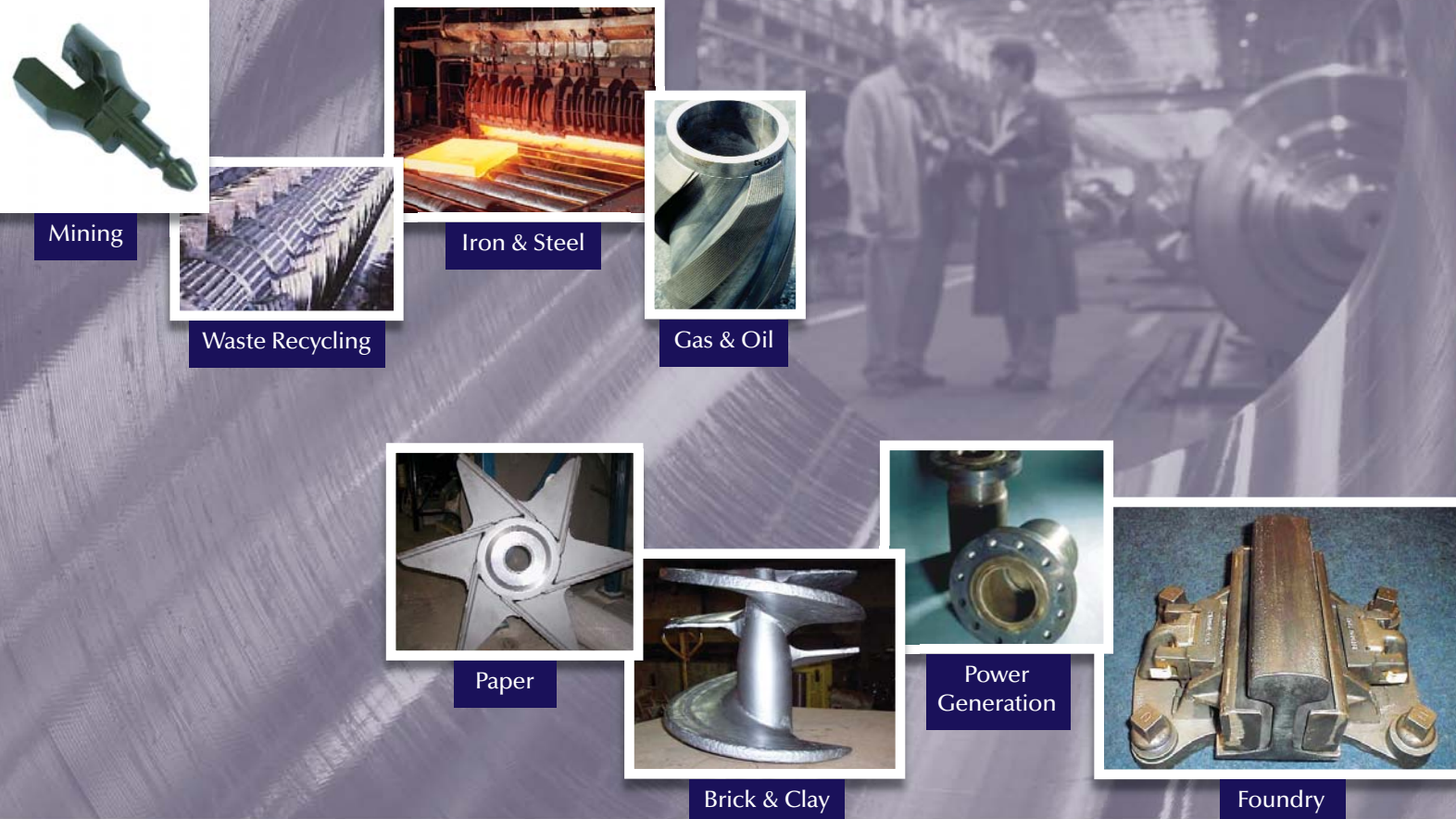
The **TENROCK™** brand represents the integrated approach for the control of wear and extension of operational life of industrial equipment and components designed, built and used by clients.

The service performance of components using the **TENROCK™** process has proved that great cost savings can be achieved compared to the replacement of a new part either cast, forged or from solid bar.

Extensive research has resulted in the development of a wide range of alloy compounds and welding procedures. The optimum alloy selection is made considering the component service conditions and service performance criteria.

As your trusted and reliable partner

Hallamshire offers a consistent high quality service to many demanding industries, recent projects include:



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**HALLAMSHIRE
ENGINEERING
SERVICES LIMITED**

Hard Facing and Wear Control



**HALLAMSHIRE
ENGINEERING
SERVICES LIMITED**



TENROCK™

The application of high performance hard facing material, ensuring outstanding abrasion & impact resistance under extreme conditions

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Protect your business with
TENROCK™
 and make the right move



Customer demands are even greater in the current economic climate. Hallamshire can help deliver improved product and process performance on time at a lower total service cost.

50 Years

of product and process development in the field has made

TENROCK™

a key contributor to combating wear, corrosion and impact characteristics whilst in highly demanding environments.



The application of

TENROCK™

undergoes proven and formally documented pre and post inspection verification procedures to maintain both product and metallurgical integrity.

Welding engineers are trained to the highest industry standard and assessed on an annual basis.



TENROCK™ has been designed, developed and adapted to cope with diverse operating conditions and enables longer production runs and minimise plant downtime.



Old



New



TENROCK™

Transformation

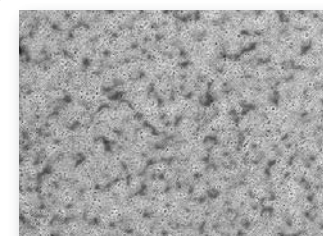


Downtime reduction Reduced servicing Longer production runs

TENROCK™ Properties

Hallamshire offers a unique portfolio of **TENROCK™** products and services providing customers with effective cost management options. **TENROCK™** offers economic surface enhancement solutions and improves product life, reliability and performance, thus giving the competitive edge required in today's tough market conditions.

TENROCK™ is a comprehensive portfolio of hard facing alloys using the latest application technology over a diverse range of industrial applications.



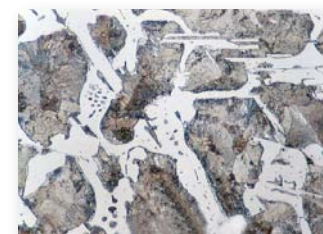
TENROCK™ Carbide Alloy

Nickel based alloy containing chromium carbides for abrasion and corrosion resistance



TENROCK™ Chromium-Boride Alloy

Nickel based alloy containing chromium-boride crystals for high wear impact resistance



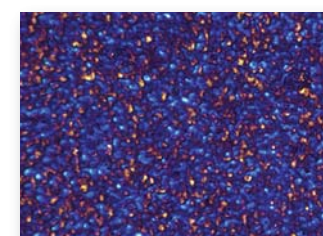
TENROCK™ Composite Alloy

Nickel based composite containing tungsten carbide for resistance to sliding abrasion



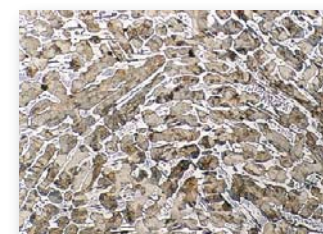
TENROCK™ Nickel Alloy

Nickel based alloy with chromium and molybdenum for increased corrosion and oxidation resistance



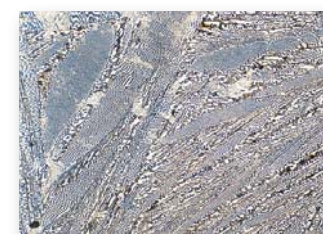
TENROCK™ Ceramic

Zirconia based composition for high thermal expansion and low thermal conductivity



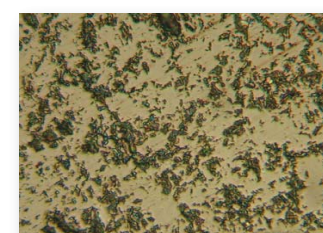
TENROCK™ Cobalt Alloy

Cobalt based nickel chromium alloy for good metal-to-metal wear resistance under corrosive and high-heat conditions



TENROCK™ Ductile Alloy

Nickel based alloy for use on cast iron components and can be finished by filing or grinding



TENROCK™ Tungsten Alloy

Nickel based alloy containing chromium carbides and alloyed tungsten for resistance to high abrasion, heat and fretting corrosion

TENROCK™ PLATE: Chrome carbide and through hardened.

TENROCK™

the product and process you can trust, adding true value to your business.