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# WHY CHOOSE CASTROL®?

We help make it happen.

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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.®







# INDUSTRIAL SUCCESS.

We help make it happen.

Castrol has been collaborating with industrial businesses like yours since 1899.

From the cars on the roads to the planes in the skies; from the vital materials we need, to the objects we rely on every day... even the energy that powers our homes and offices; there is hardly one component of modern life that we are not part of behind the scenes in some way.

Whether you are in the business of generating power, manufacturing products or providing raw materials, we know we can make a big difference to your operation too.

## LUBRICATION IS COMPLEX

Choosing the right lubricant for your industrial processes isn't getting any easier. There's always pressure to improve productivity and reliability, while keeping costs under control. In addition, health, safety and environmental regulations are tightening all the time.

If you want an expert supplier that can give you the best advice, and help you achieve your business objectives, talk to Castrol and our experts will help make it happen.

## MORE PRODUCTIVITY

Every one of our liquid engineers has the knowledge and experience to help you make *smart* decisions that can lead to advantages in every critical aspect of your operation.

To ensure your company will grow and succeed, we are committed to helping make **more productivity happen.**

More efficient operations, more productivity, more speed, more predictive maintenance, more innovation, more shared knowledge, more collaboration and more sustainability.

## LESS INEFFICIENCY

But our expert teams also know the importance of making **less inefficiency happen.**

Less friction, less cost, less waste, fewer rejects, less reactive maintenance, less downtime and less environmental impact.

We understand that all these things contribute to the total cost of ownership.



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## LUBRICANT TECHNOLOGY TO STRENGTHEN YOUR BUSINESS.

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We know you don't want to worry about your lubricants – you just want them to work well and work reliably. Our comprehensive product range means we can match the right lubricant to your processes, no matter how demanding, but the relationship doesn't end – or even begin – there.

Our experience and expertise means we can also support your drives for improved productivity and efficiency, and help you reduce your environmental impact.

With services that include system deployment, production process optimization and predictive maintenance analytics, we can identify opportunities for improvement across your value-critical applications and reduce the complexity of your fluid management – optimizing your total cost of ownership.





# OPTIMIZING PERFORMANCE WE HELP MAKE IT HAPPEN.

Our in-depth understanding of the demands of industry and manufacturing has enabled our Liquid Engineers to develop a comprehensive range of world-class lubricants and product support services. The Castrol Offer is designed to meet the maintenance and first fill demands for your value-critical processes.

## HOW CASTROL HELPS MAKE IT HAPPEN

### Soluble cutting and grinding fluids

Castrol's high-performance soluble cutting oils are designed to help you reduce coolant use and meet your machining needs when working with materials including cast iron, high alloyed steel, aluminum and titanium alloys.

### Neat cutting and grinding oils

Our neat oils are world-class. This high-performance range helps you increase productivity and performance, as well as maintain high surface-finish levels and dimensional accuracy. Applications include rough to finished machining, honing, superfinishing and broaching.

### Synthetic cutting and grinding fluids

Castrol cutting fluids and coolants deliver extremely high cutting and grinding efficiencies. They reduce biocide use, extend tool life and ensure a quality surface finish.

### Forming oils

Our comprehensive range of forming fluids offers excellent lubrication properties beneficial to press-shop operations such as drawing, stamping and hydroforming.

### Cleaners

Castrol's comprehensive range of user-friendly and environmentally responsible industrial cleaners for manufacturing and assembly processes help ensure quality, functionality and a maximized lifespan of parts. They also extend bath life, reduce waste and cut operating costs.

### Corrosion preventives

Our range of corrosion preventives provides dependable protection for finished parts and all grades of uncoated and coated steel, including electrogalvanised surfaces.



### Gear oils

Castrol's gear oils range from standard mineral oils to high-performance synthetic oils. They are proven to reduce friction, and actively resist wear to extend the life of your gearbox.

### Compressor oils

Our specialist lubricants ensure safe and efficient operation of all types of air compressor, especially reciprocating and rotary-screw compressors operating under severe or normal conditions.

### Greases

Our MicrofluxTrans Plastic Deformation (MFT-PD) technology provides a uniform protective layer that adheres to the entire surface for protection and lubrication. We use it in our high-performance greases to provide optimum performance, even under extremes of pressure, vibration, shock loads and broad temperature ranges.

### Chain oils

Castrol chain oils protect your machinery, reducing unplanned downtime and the risk of damage. From multi-service to specialist chain lines, and for various applications in different environmental conditions, we have the right chain oil for you.

Whatever the industry, whatever the application, we help make it happen. Learn more about Castrol Industrial Power Products: visit [www.castrol.com/en\\_us/b2b/home](http://www.castrol.com/en_us/b2b/home)





Castrol works with ONYX InSight to deliver performance analytics and predictive maintenance services to the wind industry and industrial manufacturing. Our ONYX monitoring systems draw on years of combined experience to give owners and operators actionable intelligence for technological risk.

ONYX systems collect and analyse data continuously and in real time to deliver fault prediction and tailored maintenance recommendations – even for challenging slow-speed machinery under variable loading.

Our specialists inspect your machinery at all life-cycle stages to propose improvements to asset management, quality assurance and problem resolution. In short, ONYX InSight helps you understand what's happening when something goes wrong, and enables you to act swiftly to put it right.

So whether you need an in-house solution or an outsourced service, ONYX can help – and our skilled engineers are always available as second-line support. Only Castrol can provide this kind of service to help you maximize long-term performance and minimize cost.

## HOW CASTROL HELPS MAKE IT HAPPEN

### Software

Fleet Monitor is our unique hardware-independent software platform for condition monitoring and predictive maintenance shows, with views for top-level alarms and trends, through to detailed vibration-analysis tools for the expert analysts.

### Hardware

ONYX systems build on years of experience in wind-turbine drivetrain design, engineering and condition monitoring, and combine cloud-based software technology with affordable hardware to create enabling solutions for predictive maintenance.

### Service

Our expert engineering teams can help you quickly find the root cause of failures, and deliver recommendations for maintenance and repair via tailored reports or an in-house technology transfer program.



Environmental and safety concerns have never been more pressing for industry, and lubricants play a vital role. On a purely practical level, some of Castrol's technologically advanced products can help lower energy consumption, reduce waste and waste products, and significantly cut CO<sub>2</sub> emissions – but that's only the start.

Our years of experience and deep understanding of customers operations mean we can also provide expertise and guidance on how best to optimize our products for your processes and required environmental profile.

Your focus becomes our focus, and our experts oversee improvements and provide regular reports using non-invasive measuring equipment to ensure your environmental needs are met.

## HOW CASTROL HELPS MAKE IT HAPPEN

### Service

Our programs focus on both reducing environmental impact and identifying value through the use of data measurement and validation – and our expertise for your critical applications.

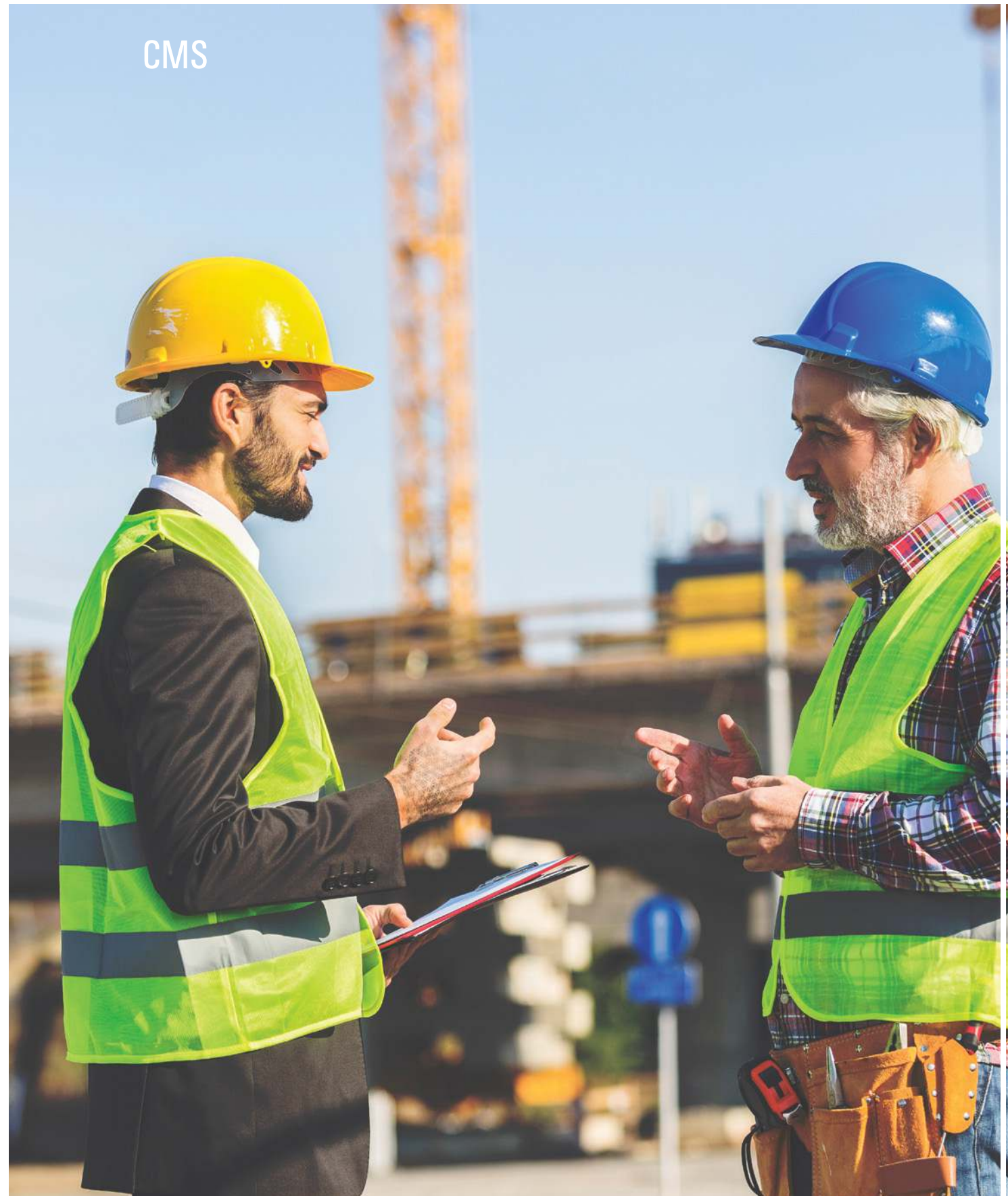
### Products

Castrol products deliver performance and energy benefits across a range of environmental profiles, according to your particular needs – including bio-derived or biodegradable, carbon-neutral, formulated without boron or formaldehyde-releasing agents and more.

### Partnerships

We work with you to co-engineer production facilities and products. We can provide specialist input into plant investment to help optimize the environmental impact and help specify ancillary equipment requirements for filtration, water treatment, fluid management and more.





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## REDUCING TOTAL COST OF OWNERSHIP: WE HELP MAKE IT HAPPEN.

Looking for ways to optimize your total cost of ownership? Our worldwide capability offers unmatched experience in managing process improvements and best practices, with tailored chemical management systems that combine our industrial know-how with your manufacturing prowess.

Tooling costs are typically the single largest budget item – one directly affected by metalworking fluids. By working with you at every stage of chemical management, from design engineering and procurement, through logistics and inventory control, to production and waste management, we provide measurable cost savings across your organization and ensure HSSE practices are core to your business processes.

When you partner with Castrol, you're getting a service contract that combines products, services and opportunities to invest in fluid-management equipment, all backed by the considerable expertise of a worldwide leader in metalworking fluids and lubricants.

### HOW CASTROL HELPS MAKE IT HAPPEN

#### Easier admin

A single point of contact with a full-time on-site presence that responds to any and all situations with experience and focus streamlines your lubricant administration, inventory management and vendor management.

#### Control systems

Our specialized site knowledge of machines and processes with sophisticated control systems provides manufacturing stability and auditable procedures that ensure compliance with both existing and new HSSE legislation.

#### Documented savings

By working in partnership with you, we deliver measurable continuous improvement with documented proof of cost and efficiency savings for overall equipment effectiveness, maintenance, repairs and waste disposal.



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## WE CAN HELP YOU MAKE IT HAPPEN.

IF YOU WANT A PROVEN LUBRICANT  
PARTNER WITH THE PRODUCTS AND  
EXPERTISE TO HELP YOU SUCCEED,  
TALK TO CASTROL.

TOGETHER WE CAN HELP MAKE  
YOUR BUSINESS EVEN STRONGER.

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