WELCOME TO WIND ACADEMY

Filling the skills gap to optimise the operational efficiency of your wind-turbine drivetrain and lower the levelised cost of energy (LCOE) across your sites.

WE HELP MAKE IT HAPPEN





WORKING IN WIND ENERGY

1.15 MILLION

High-quality jobs in the wind industry across the globe¹

The wind industry has had an enormous contribution to economic development:

- Opening up new jobs
- Offering new investment opportunities
- Providing cleaner, more affordable power
- · Lowering carbon footprint





WIND AFTERMARKET CHALLENGES

COST - LCOE

Over the next three years,

operators are looking to reduce costs by

at least 14%

ensuring they remain competitive.

AGEING FLEETS

52% of today's

assets are more than five years old, compared to 30% in 2010 – increasing probability of downtime.

SHORTAGE OF SKILLED TECHNICIANS

The industry requirement for skilled technicians is growing at

6% per annum,

which is a challenge considering the high attrition and stringent employee-contractor ratio.







THE SKILLS SHORTAGE

It's a well-recognised challenge within the wind industry; one that will continue to grow if the right people don't put the right measures in place.



20,000

Annual shortfall of engineering graduates²



265,000

Skilled employees required annually to meet demand through to 2024.3



78%

Of wind-energy stakeholders stated finding suitably trained staff as either 'difficult' or 'very difficult'.4





CASTROL WIND ACADEMY

IT'S TIME TO ACT

We're completely committed to alternative energy and a low-carbon future. With our understanding of today's industry challenges, we've worked with our JV partner to launch the Castrol Wind Academy.

WHY

- To share industry knowledge and expertise with your technicians and site managers
- To educate your team on how some of the leading solutions and dedicated support can help
- To focus on optimising operation efficiency and maintenance of your wind-turbine drivetrain





At Castrol, we understand your operational challenges, and more importantly, we can help you overcome them – delivering greater efficiency and lowering the LCOE.



20 years'

Experience in lubricants



1st

Lubricant supplier in the world to offer carbonneutral products to wind-turbine manufacturers



50,000

Turbines across the world are serviced by Castrol



INTEGRATED EXPERTISE FOR IMPROVED EFFICIENCY

Castrol and Onyx insight is a collaborative solution for wind turbine maintenance. We combine predictive engineering and lubricants expertise to achieve higher efficiency and reduced LCOE.



30%
Potential savings in maintenance costs for customers⁵





THE CASTROL WIND ACADEMY

The Castrol Wind Academy will help address the skills gap with technicians and site managers helping wind farms improve efficiency and reduce cost.

STEP 1

E-LEARNING

Introductory sessions covering a variety of topics. Materials will be available online.

STEP 2

VIRTUAL/ **PUBLIC CLASS**

Intermediate classes - either online or at a Castrol facility covering advanced topics.

STEP 3

FACE-TO-FACE/ HANDS-ON

In-depth classes at customer sites explaining best practices and running demonstrations.



DISCOVER MORE

