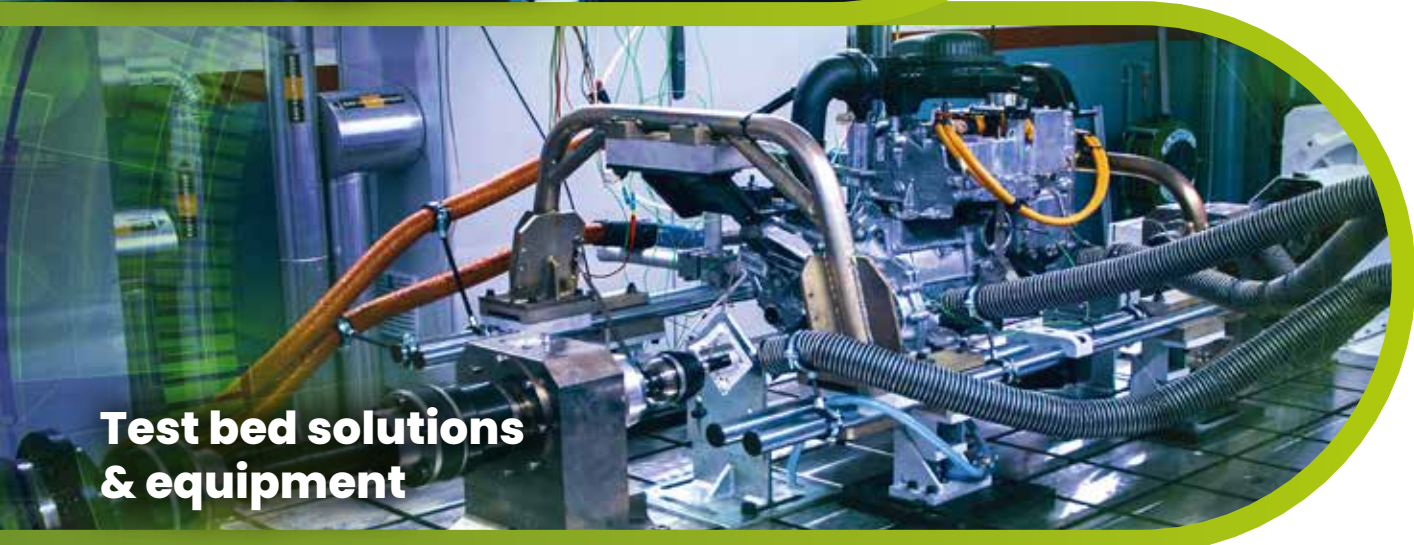


ENORISE

Simulate, Automate, Qualify

Catalog





ENORISE profile

For over 40 years, ENORISE has been at the forefront of innovation, producing state-of-the-art test benches, testing equipment, and software solutions for the automotive, aerospace, railway, marine, and energy markets.

We are pioneering new software solutions that are revolutionizing the world of testing and digitalization. We excel in automation systems, test beds, and innovative software solutions, leading the industry with our advancements in cloud integration and cutting-edge simulation technologies.

- 7 Subsidiaries on 3 continents
- 320 employees
- Sales partners network

Test bed solutions & equipment

Energize the productivity of your test benches. Thanks to our unrivalled expertise and our high-tech equipment, ENORISE builds with you the next generation of your test solutions: conventional and HiL solutions for electric motors, fuel cells or H2 combustion engines.

We build high-tech test beds for you

Automation applications & measuring devices

ENORISE automates your processes.

Move to the next level with MORPHEE®, our automation system shared by a community of 12,000 users worldwide. Discover our data management system to manage your test center. And for even greater efficiency, integrate AI into your systems.

We automate everything

Software products & custom software solutions

ENORISE is your partner in digitalization.

Choose from a full range of industry proven software products. Or let us develop the tailored software solution for your needs.

We provide end-to-end service – from planning and specification over realization to support.

We develop software for you

Test bed solutions



e-axle Test Bench

The e-axle combines the motor, power electronics, and gearbox into a single, highly efficient unit that is crucial for the future of electric mobility.



e-Motor Test Bench

The e-motor test bench is designed to evaluate performance, reliability, and efficiency of electric motors under various operating conditions.



Engine Test Bench

The engine test bench is a critical platform for evaluating the performance, durability, and emissions of internal combustion engines under controlled conditions.



4 Dyno Hub Test Bench

High-precision 4-dyno vehicle test bench for advanced performance validation. Integrated with MORPHEE® for efficient real and simulated testing.



Chassis Dyno Test Bench

The chassis dynamometer enables full vehicle testing by simulating real driving conditions, ensuring accurate measurement of performance, emissions, and efficiency.



End-of-Line Test Bench

Our End-of-Line test bench provides comprehensive functional checks and data acquisition at the end of the production process to guarantee product quality and reliability.



Battery Test Bench

The Battery Test Bench solution supports everything from durability testing to advanced research with scalable, multi-stage battery cell, module and pack testing capabilities.



Fuel Cell Test bench

Fuel cell system and stack test benches provide precise measurement and control for performance validation, efficiency analysis, and durability testing.



HIL Test bench

Power Hardware-in-the-Loop (Power HIL) combines real power hardware with real-time simulation to bridge the gap between HIL and full dynamometer testing.



Test bed equipment



Dynamometers

Dynacraft test benches deliver reliable and accurate testing solutions for engines, e-motors, wheels, and eddy-current applications.



FuelRate/FuelCon

FuelCon/FuelRate and coolant conditioning solutions ensure precise fuel and thermal control for accurate e-motor and powertrain testing.



AirRate

AirRate delivers accurate, contactless air mass flow measurement for reliable engine testing.



BlowByRate

BlowByRate continuously measures blow-by gases to assess engine sealing and performance.



AirCon

AirCon controls combustion air conditions to improve test reproducibility and engine performance.



eCoolCon

The eCoolCon coolant conditioning system provides precise coolant control for reliable e-motor and battery testing.



T-BMS

The Testbench Battery Management System (T-BMS) enables accurate monitoring and control of battery cells on test benches.



BatteryCraft

BatteryCraft supports battery testing, validation and monitoring across the entire lifecycle.



Automation applications



MORPHEE®

The MORPHEE automation system streamlines and controls test cell operations with real-time automation, data management, and customization capabilities, improving efficiency and reliability across complex test benches.



FLEX-LAB™

FLEX-LAB centralizes test cell data management for better traceability, monitoring, and efficiency.



xMOD™

xMOD is a versatile HiL and co-simulation platform for early validation and real-time test cell testing.



xCAR™

xCAR is a vehicle-level simulation tool that enables early testing and optimization of powertrain systems.



Measuring & control devices



MIO™

MIO is a flexible and scalable data acquisition system designed to collect, synchronize and process measurements accurately across test cells and test benches.



OSIRIS™ Powermeter

Osiris is a high-precision powermeter system that measures electrical power accurately for test cells and test benches.



Dynabox

Dynabox is a compact dynamometer solution that delivers reliable and efficient mechanical load testing for engines and powertrains.



Software products



UniPlot™

UniPlot is a powerful data visualization and analysis tool that transforms test cell data into customizable 2D and 3D plots, enabling deeper insights and professional reporting.



Virtual Dynamics™

Virtual Dynamic Powertrain Analysis provides simulation tools to predict powertrain and driveline performance.



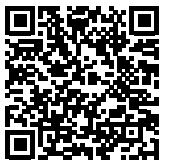
TOPEXPERT™

TopExpert is a toolset that enhances vehicle calibration by improving test automation, data accuracy, and overall workflow efficiency for reliable results.



OnlyFleets™

OnlyFleets is a smart fleet management and validation platform that centralizes fleet data to streamline management and improve validation quality.



Custom software solutions



Custom Software

Custom Software & Test Bench Engineering provides tailored solutions to enhance efficiency and automation in test benches.



We are trusted solutions

"Automotive, heavy duty manufacturers, aeronautics and more!"

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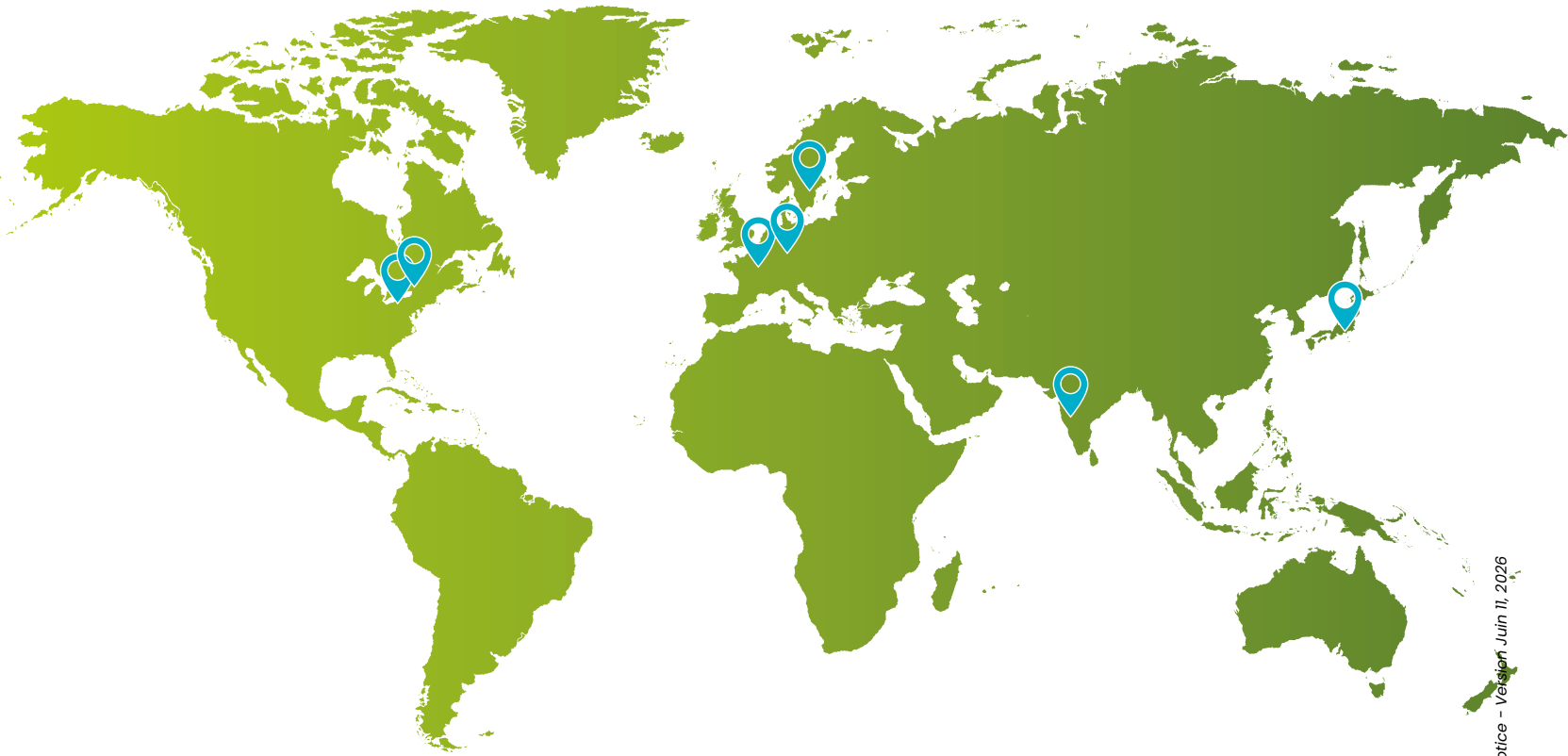
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