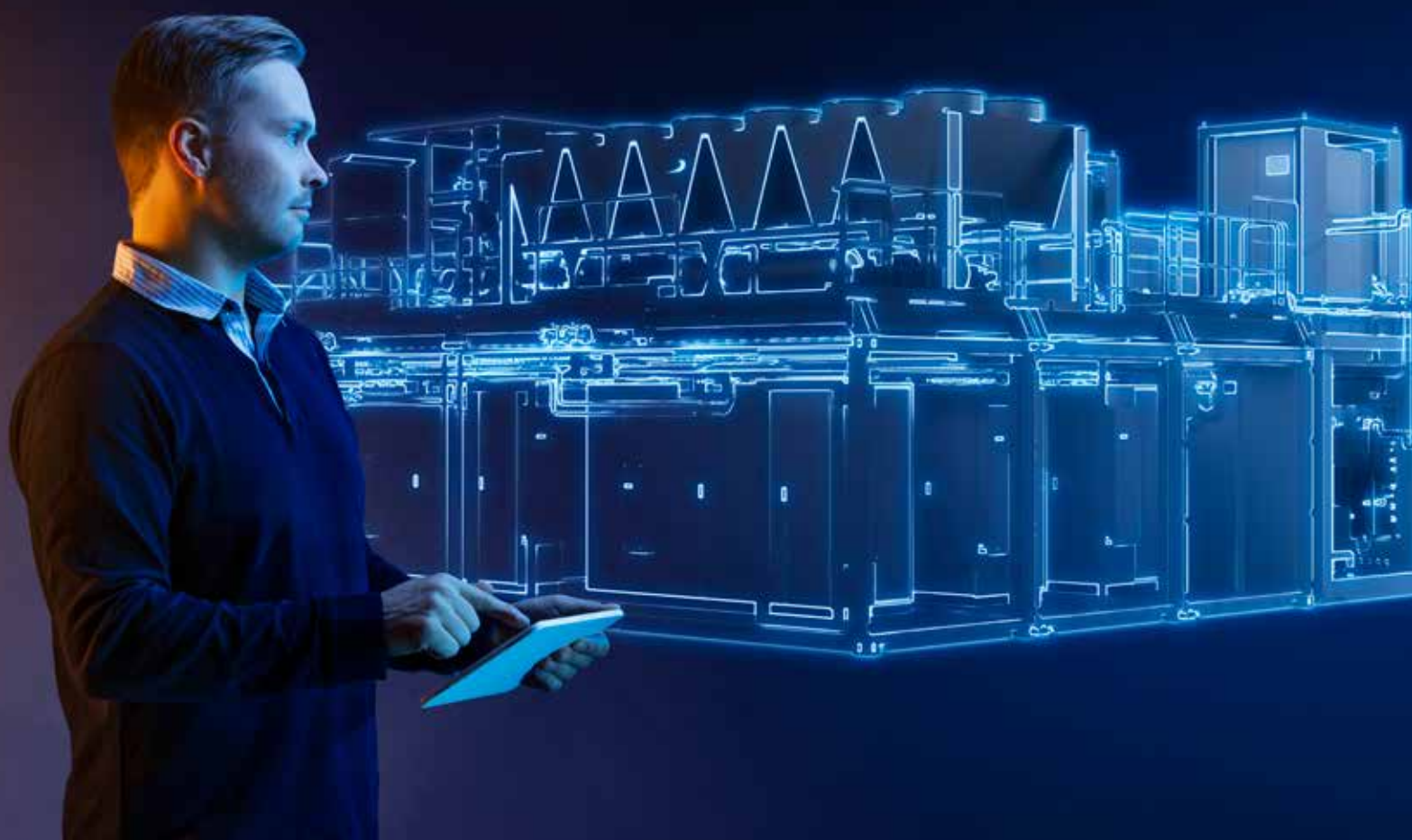


Modular Proventia Test Center

THE BEST WAY TO TEST

PROVENTIA TEST SOLUTIONS



The world's most versatile modular test centers

LEADER IN MODULAR FACILITIES

For developing and testing electric and hybrid vehicles and their powertrains, battery packs and hydrogen fuel cells.

Electrification, hybridisation and new alternative technologies increase the pressure to invest in new test capability and capacity to meet the demand. With Proventia you are on the move towards a brighter, cleaner future.

With our focus on modularity, we provide a new range of test facilities with efficient and flexible features for today's fast-moving automotive industry. Speed, ease and the customer-oriented approach of a free integrator are additional reasons for choosing Proventia.



MODULARITY MAKES A DIFFERENCE

Proventia test cells are compact modules built specifically for testing purposes – structurally and environmentally designed to meet the high-performance standards of a testing facility.

This is how we do it faster and better. The overall project delivery time for a modular facility can be less than half the time for the block-built facility – thanks to the nature of the modular approach

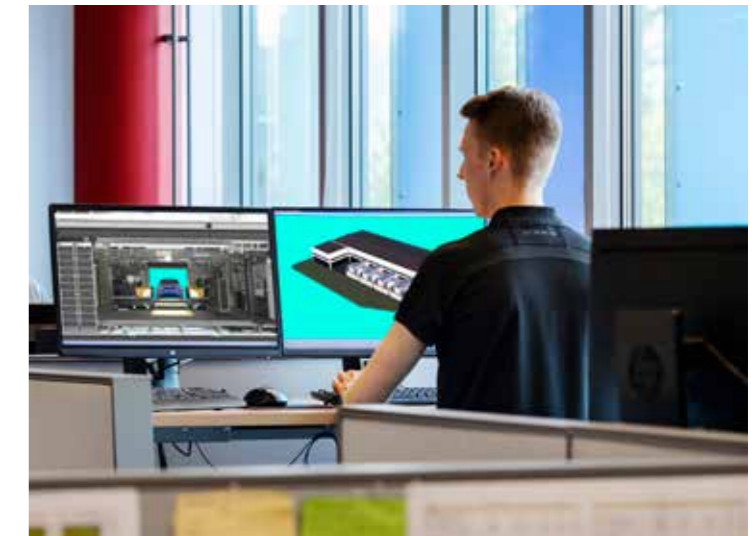
- various project phases can be carried out in parallel
- modules are constructed at the factory
- infrastructure and test equipment installed at the factory
- minimal planning and foundations needed – can be put in place at the site



PROVENTIA E-MOTOR TEST MODULES
with roof mounted drive units and
battery emulators.



THIS TOP-NOTCH MODULAR TEST CENTER is connected to the main building, but each test module can easily be relocated, if necessary.



DISCOVER THE VERSATILITY

A small test rig is often just one module, including all necessary components. Larger test facilities for more complex testing procedures, such as multi-axis testing or full vehicle testing, can be cleverly constructed by combining multiple modules with rooftop structures for additional supportive equipment.



PROVENTIA OFFERS DIFFERENT DESIGNS and layouts for every purpose, space requirement and plan for the future.

YOU CHOOSE!

Test Center as a turnkey solution – easy and straightforward for you as a customer: all equipment, automation, infrastructure, and safety features are incorporated into the design and installed at Proventia's factory.

Proventia Test Center can be a combination of various test cells. Each test cell is an independent functional entity. At Proventia, we genuinely listen to each customer and implement desired

test equipment and automation. Modularity allows easy updating and relocating when testing needs change.

● **CLIMATIC CABINETS** for testing of battery modules

● **LARGE CLIMATIC** battery pack chamber

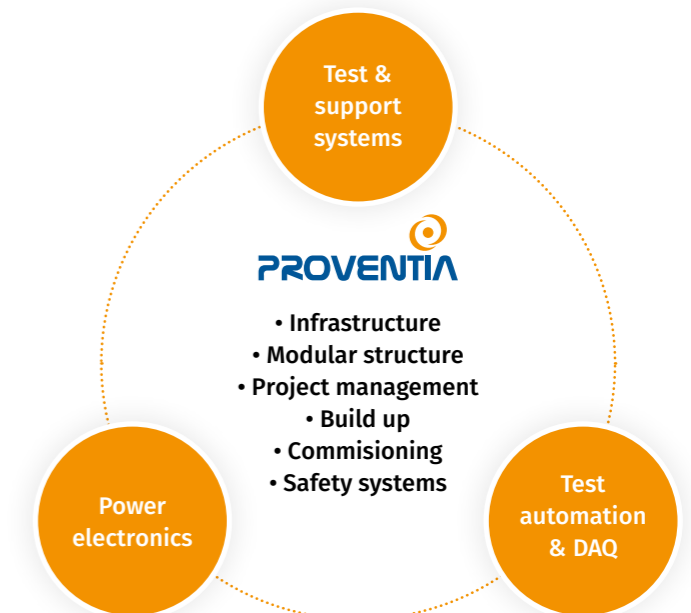
● **E-MOTOR** test cell

● **SPACIOUS MACHINERY ROOMS** serving all test cells



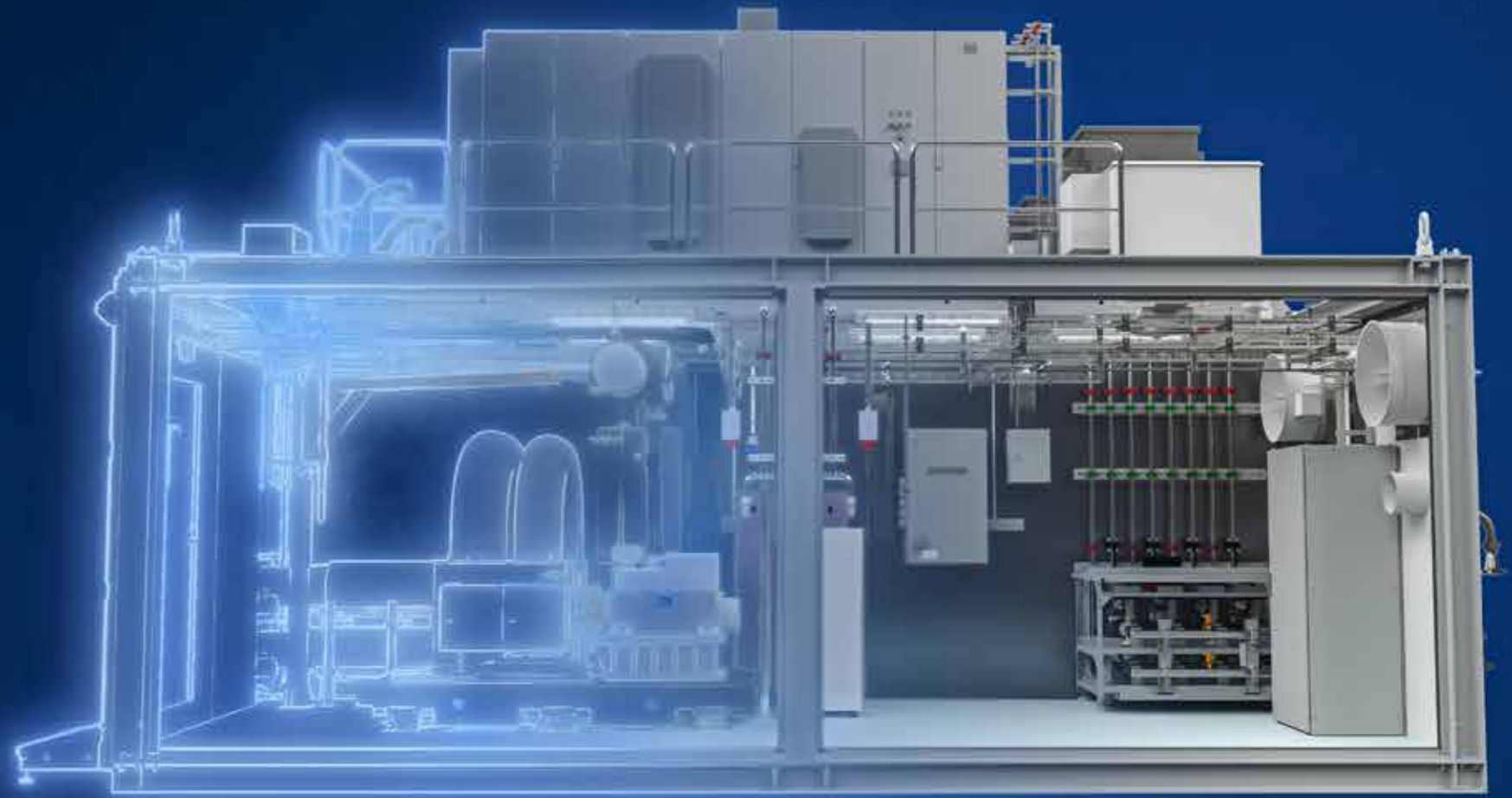
Proventia – Your integrator and project manager

We provide a modular platform where we integrate the customer-specific combinations of test technologies



Tell us your requirements – we'll find

THE SOLUTIONS



MODULAR CONSTRUCTION



INDOORS OR OUTDOORS



MULTIFUNCTIONAL TEST FACILITY



EXTREMELY TRANSPORTABLE



FREE INTEGRATOR OF TEST EQUIPMENT AND AUTOMATION



FAST AND CONVENIENT TO DEPLOY



TURNKEY SOLUTION



COST-EFFICIENT ASSET

Fastest way to increase test capacity

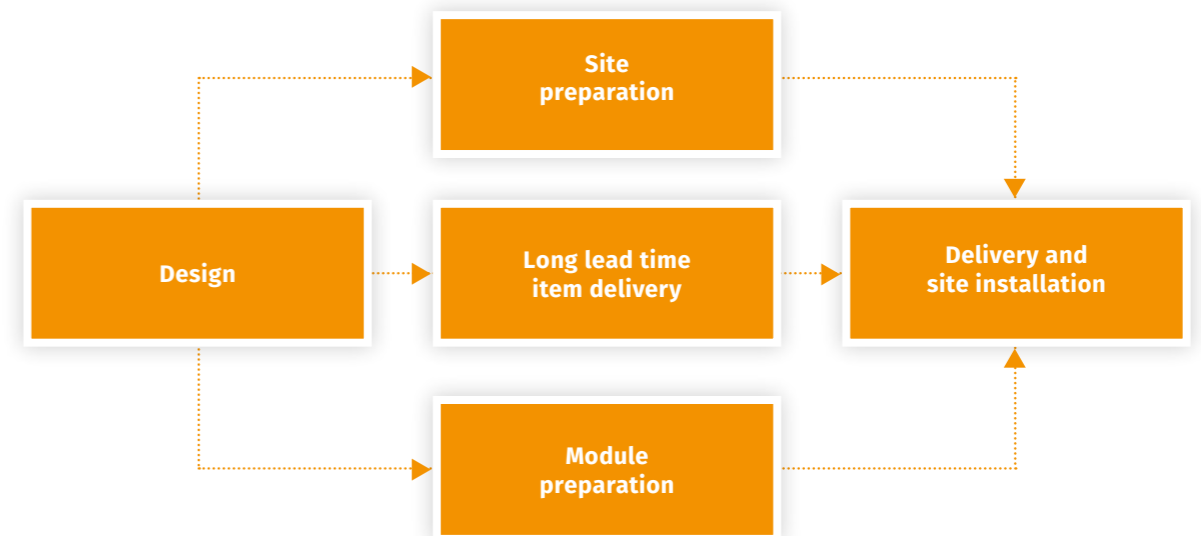
EASY AND QUICK DEPLOYMENT

Modular test facility solutions save a lot of time and trouble.

Modularity makes building a Test Center easy, and the Test Center remains scalable, portable and adjustable for future requirements. The factory-built modules require less time for installation and commissioning once they arrive at the site. The test cells can be fully pre-commissioned and functionally tested at the factory, reducing commissioning time drastically.

The test modules can be built to be almost entirely self-contained. Thanks to extensive self-sufficiency, modular test cells can be installed wherever there is space. They can be added to an existing facility or an entirely new test facility with no test plant equipment, with no need to modify existing buildings.

From start to finish in 6 months



THE MOST IMPORTANT ADVANTAGE of a modular test facility is the overall project delivery speed.



PROVENTIA GROUP OYJ

Proventia Oy - Test Solutions

Nuottasaarentie 5, 90400 Oulunsalo, Finland | Tel: +358 20 781 0200

sales@proventia.com, info@proventia.com

www.proventia.com

Proventia UK Ltd.

Scorpio F2, Linfordwood Business Park, Sunrise Parkway

Milton Keynes, MK14 6NJ, UK | Tel. +44 7497 146921