



ETPATHFINDER SMART SKILLS LAB

Technologies of the future,
skills for today

Eligibility: SMEs located
in the Interreg Flanders-
Netherlands region.

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The ETPathfinder Smart Skills Lab strengthens the technological capabilities and innovation capacity of companies by translating cutting-edge technologies from the Einstein Telescope ecosystem into practical, applicable knowledge for industry.

Through hands-on training, innovation workshops and direct collaboration with technology experts, companies develop skills that are essential for future-oriented growth.

No prior knowledge of the Einstein Telescope or academic research is required. The focus is entirely on what these technologies can mean for your products, processes and employees.



Einstein Telescope technology domains

Optics & Photonics:

Technologies that use light for extremely precise measurement, sensing and inspection. Widely applicable in quality control, sensor technology and high-tech manufacturing.

Seismic Vibration Damping:

Techniques to reduce unwanted vibrations in machines, buildings and infrastructure. Essential for precision applications, sensitive equipment and reliable systems.

Robotics & Automation:

Smart robots and automated systems for inspection, assembly, maintenance and monitoring, applicable in hard-to-reach or complex environments.

Materials & Systems Engineering:

Advanced materials and smart system design that improve the performance, durability and reliability of products and infrastructure, including monitoring and condition-based maintenance.

Controls:

Precise control of machines and processes, resulting in improved performance, reduced noise, higher precision and more efficient operation.

Cryogenics & Vacuum:

Technologies for working with extremely low temperatures and ultra-high vacuum, essential for high-tech systems and manufacturing environments.



Gefinancierd door de Europese Unie



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