



# #5 PRESS RELEASE

## Safeguarding the Grid: MOTIVATE XR Provides "X-Ray Vision" for Power Distribution Grid Maintenance

**[Brussels, Belgium - 22 June 2026]** The EU-funded MOTIVATE XR consortium, in partnership with the [Hellenic Electricity Distribution Network Operator \(HEDNO\)](#), announces the launch of an immersive "Digital Safety Net" for the maintenance of critical energy infrastructure. By taking augmented reality (AR) out of the laboratory and into the field, the project is solving a major logistical hurdle: training technicians on dangerous, live electrical equipment without taking essential systems offline or risking lives.

This fourth pilot milestone demonstrates the transition of the MOTIVATE XR toolset into life-critical utility operations. By providing interactive digital replicas and real-time data overlays, the project is significantly improving grid resilience and worker safety across the national power network.

### Overcoming the Invisible Danger

Maintaining a national power grid leaves no room for error, as technicians must frequently interact with distribution transformers and switches. Historically, identifying internal structural issues or live electrical faults required specialised, invasive inspections that often-necessitated system shutdowns.

MOTIVATE XR **Pilot 4: Energy Distribution** overcomes these challenges by deploying **KAYROX Assistance**. This system provides technicians with hands-free access to live maintenance logs, circuit diagrams, and real-time sensor data, all overlaid onto physical equipment via industrial AR glasses.



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## Proven Results with HEDNO

Real-world trials involving power distribution infrastructure have validated the platform's ability to make "invisible" dangers visible to the human eye:

- **Predictive Maintenance:** Technicians can use Digital Twins to identify temperature spikes, historical faults, and live currents before touching a component.
- **AI-Assisted Inspections:** The pilot successfully tested AI scanning for wooden distribution poles to identify internal structural rot invisible to the naked eye.
- **Point-of-Need Training:** By moving education from off-site classrooms to the field, the project is reducing manpower shortages and accelerating technician readiness.
- **Enhanced Resilience:** Real-time data integration drastically improves the speed and accuracy of repairs, ensuring a more stable electricity network for European citizens.

This launch marks the fourth of five strategic pillars in the MOTIVATE XR roadmap. Following the successful implementation in energy distribution, the project is now incorporating direct feedback from the beta phase to refine the final release of the XR ecosystem.

The next phase of the roadmap includes expanding data input capabilities to allow for the seamless import of measured parameters and the generation of comprehensive inspection reports. These advancements aim to provide a clear audit trail and a robust, data-driven learning experience, ensuring that MOTIVATE XR remains a standard, scalable utility for the European industrial workforce

## About MOTIVATE XR:

**MOTIVATE XR** is an EU-funded project dedicated to creating a world's leading XR collaborative authoring, publishing, and experiencing tool suite for training and assistance in industrial operations. By adopting a user-centred co-design methodology, MOTIVATE XR aims to democratise the creation and deployment of XR experiences, making them accessible to a wide range of users without programming skills.

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## MOTIVATE XR Partners:

The project brings together an impressive consortium of 17 partners from 7 different countries, ranging from research institutions, universities, to technological industry experts, all committed towards the same goal.



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