

## INDUX-R kickstarts with engaging workshops to revolutionize XR technology in Europe



INDUX-R

Transforming **European Industrial Ecosystems** through **eXtended Reality** enhanced with human-centric **AI** and secure, **5G-enabled IoT**



This project has received funding from the European Union's Horizon Europe Research and Innovation Programme under Grant Agreement No 101135556.



**INDUX-R** program has kicked off dynamically with the cooperation of 18 organizations, **CERTH**–Greece, **FORTH**–Greece, **CWI**–Netherlands, **UNIVERSITY OF AUGSBURG**–Germany, **AUTONOMOUS UNIVERSITY OF BARCELONA**–Spain, **EURECAT**–Spain, **FINT**–Cyprus, **NOVA**–Greece, **ORAMA**–Switzerland, **INOVA**–Portugal, **RINA**–Italy, **IDECO**–Spain, **CREAL**–Switzerland, **INVENTICS**–Greece, **UNIVERSITY OF GENEVA**–Switzerland, **EKTACOM**–France, **ACCIAIERIE D ITALIA**–Italy, **FRIEDRICH-SCHILLER UNIVERSITY JENA** – Germany.

Read more on **InduX-R** website <https://indux-r.eu/>

The partners take part in a series of meetings and workshops, starting to explore ways to integrate Extended Reality (XR) technologies into various European industrial sectors. This pioneering project aims to empower individuals and spearhead the creation of innovative XR products and services, promising to bring substantial added value across a broad spectrum of applications.

Focusing on critical advancements in XR technologies such as asset digitization, realistic animation, advanced Head-Mounted Displays (HMDs), XR media streaming, and perception technologies, INDUX-R is designed to tackle the unique challenges of multi-user XR applications. By implementing a scalable 5G framework and a secure Internet of Things (IoT) network, the project addresses the need for efficient resource usage and flexibility in fluctuating demands.

The INDUX-R initiative spans several key application areas, including:

- **LiveMediaXR**: Participation (on-site, online, on demand) with interaction in a virtual environment.
- **X-Ray** vision for Industry 4.0: Improving productivity and safety in industry.
- **Virtual** medical education: Training in medical procedures in a virtual environment.
- **Large-scale** 4D reconstruction of historical sites: Reconstruction of historical sites in 3D and 4D space – preservation of historical memory.
- **Improved** experience of watching NOMADE car races – exciting and immersive experience.

At the core of INDUX-R's philosophy is a human-centric approach to development. From the initial stages of user requirement gathering to the final ecosystem qualification, end-users are actively involved, ensuring that the innovations are not only technologically advanced but also ethically sound and aligned with European values.

Aiming to address both market demands and societal needs, INDUX-R is at the forefront of European industrial innovation, employing XR technologies to create immersive and impactful solutions. With a strong commitment to ethical standards and user engagement, INDUX-R is paving the way for a future where technology enhances human experiences in sustainable and meaningful ways.

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