WHAT IS REPLICANT XR?

ReplicAnt XR , a new and innovative system for process simulation, 3D visualization and operator training in a virtual environment. ReplicAnt is useful in many different disciplines and stages of a project, such as plant/process line design, erection, pre-commissioning, commissioning and continuous improvement. It can be extensively used in many different industries, including Iron & Steel, Oil & Gas, automotive, manufacturing and many others.

REPLICANT
Extended Reality (AR/VR)

DIGITAL TWINS BY ANT AUTOMATION

REPLICANT DIGITAL TWINS
By ANT-Automation

INDUSTRY 4.0

WHY REPLICANT XR?

| Simulation | Pre-commissioning | Kaizen | Real-time 3D representation | Collaborate | Extended reality training |

Key functionalities of Replicant XR:

Simulation: ReplicAnt simulates real process scenarios, offering extensive PLC input/output simulation with a library of instruments and sensors.

Pre-commissioning: Allows exhaustive testing of existing PLC logic, sequencers, and HMI under simulated production situations.

Kaizen: Supports continuous improvement by simulating production cases for algorithm testing and machinery cycle time improvement.

Real-time 3D representation: Provides real-time 3D rendering of process simulation and plant feedback, functioning as a 3D SCADA system.

Collaboration: Utilizes layers to display targeted information for maintenance, engineering, and operations teams.

Extended reality training: Offers a AR/VR training platform where operators can interact with virtual panels and real push buttons, ensuring safety in hazardous scenarios.

MORE INFO
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