

# VIRTUAL & AUGMENTED REALITY APPLICATIONS

## VIRTUAL REALITY CAVE



*Location: Flanders Make - Lommel*

## DESCRIPTION

A collaborative Virtual Reality room allowing to experience large scale, collaborative VR simulations for training, work-cell layout and product exploration as part of our [Operator support 4.0 living lab](#).

## TECHNICAL SPECIFICATIONS

- Room-scale tracking area of 10m x 10m
- Scalable number of users: between one to four collaborative users
- Remote viewing and participation
- TechViz & Unity software to seamlessly generate virtual reality content based on native CAD files (STEP, CATIA, ...)

# VIRTUAL & AUGMENTED REALITY APPLICATIONS



## OUR OFFER

We offer a virtual production environment that companies can use to:

- Train operators in assembly based on the CAD files, before the physical parts are available.
- Set-up and optimize the ideal production environment.
- Assess the effect of design changes.
- Measure the feasibility of an operational set-up.
- Visualise and inspect 3D models of their own machines and vehicles, based on CAD drawings.
- Program a robot, offline by demonstration.

The infrastructure can be complemented with physical and cognitive load measuring equipment to evaluate the impact of human-robot collaboration.

## INTERESTED?

Contact [contact\\_ProductionS@flandersmake.be](mailto:contact_ProductionS@flandersmake.be) for more information.