



## Virtual, Mixed and Augmented Reality

### Motivation

Virtual reality, mixed and augmented realities are among the enabling technologies of Industry 4.0 and can be applied in training, manufacturing, assembly and maintenance tasks, among others. In Aeronautics, future applications include from in-flight to air traffic control tools.

### Objective

Explore the limits of the available technologies and device.  
Investigate how to enhance production and efficiency through their use.  
Understand human factors associated to the use of Virtual, Mixed and Augmented Reality.

### Approach

Development of prototypes at CCM-ITA and systematic experimental evaluation through extensive experimentation and data analysis.

