TEACHING

Human-centric CPSoS for autonomous safety-critical applications

TEACHING offers a computing platform and the associated software toolkit supporting the development and deployment of autonomous, adaptive and dependable CPSoS applications

- High Performance Computing & Communication Infrastructure (HPC2I)
- Dependable Engineering Methods
- AI-as-a-service (AIaaS)
- Hardware Board
- Autonomous Driving Application
- METrICS Measurement Environment

TEACHING BENEFITS

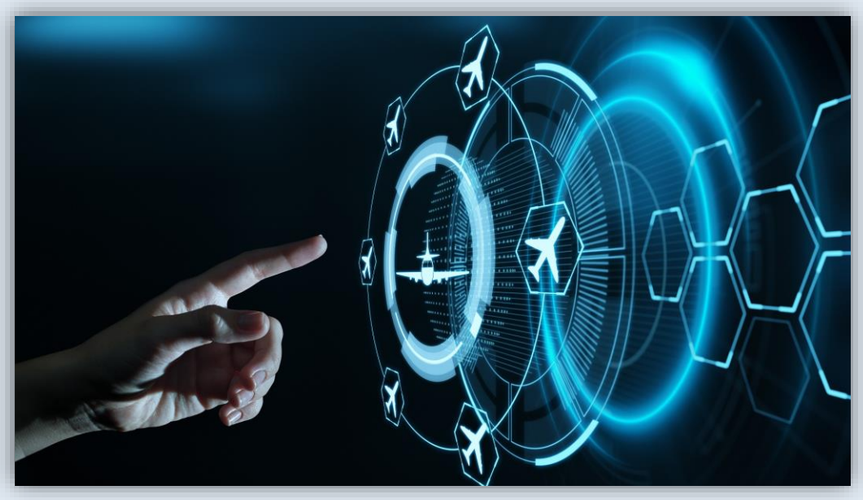
- **50%** increase in user acceptance
- **30%** reduction of learning time
- **30%** reduction of energy consumption
- **3** technology bricks integrated into the business activities
- **5,000** individuals engaged and informed

TEACHING EXPERIMENTATION

Autonomous Driving

The TEACHING automotive use case is contributing (i) towards resolving major societal challenges, human-machine interaction and customization by enhancing the autonomous driving functionality; and (ii) to the creation of balance between the integration of AI into automotive applications and automotive safety.

Aviation



Within the TEACHING project, hardware monitoring systems will be coupled with machine learning to learn how the Flight Management Systems software behave on the hardware in a normal context as well as to detect anomalies corresponding to either safety issues or security threats.

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