Project FEMflight

Gender Diversity in General Aviation Cockpit Design
Austrian Ministry for Transport, Innovation and Technology, FEMtech, FFG Nr. 826143
The idea of FEMflight was to explicitly perform cockpit usability and acceptance tests with pilots of both genders and to optimize the new cockpit system with pilots’ feedback.
Tasks:
- Scenario-based evaluation with pilots in flight simulator including normal and abnormal procedures;
- Assessment of pilots’ performance, workload, situational awareness, psychophysiological activation (heart rate, heart rate variability), usability, acceptance, trust in automation;
- Functionality tests of hardware and software.

Time Period
2009-2011

Cooperation Partner
Brightline Avionics, Kalsdorf bei Graz