

# INGEQUIP project.

INGénierie EQUIPement



**Objectives:** Define Methods & Tools to get equipment, software & hardware architecture and product right first and safe earlier, lower cost : 30% gain on cycle and cost



**4,2 M**  
euros



**39**  
months



Actia, Airbus, Airbus D&S, Continental, SAFRAN E&D, Thales Avionics, ASTC Design Partners, Ellidiss Technologies, Greensocs, Space Codesign, Systerel, IRIT, ISAE, LAAS, ONERA



**4**  
PostDocs

## HW/SW Co-development Technical

- Definition of a standards-based HW-SW system co-development process (CAPELLA, AADL, SystemC, IPXACT)
- Prototyping of interoperability solutions between standards and with virtualization platforms developed by our partners
- Improvement of our partners' virtualization (Space Studio, VLAB) and formal verification (S3, TINA) technologies.

## V&V Technical

Definition of the integration of different formal techniques into an industrial process  
Development and formal verification of interactive applications using integrated LIDL, Lustre and S3 environments  
Formal development (correct-by-construction) using the Event-B method, and Rodin and S3 environments



# Annexes.

