

THE CONTEXT

Before flight tests, aircrafts must pass a long list of requirements. These tests require hundreds of meters of cables to be plugged on various parts of the plane that cost money and time.



THE MISSION

Conceive and build a Proof of Concept of a wireless communication gateway to connect the test box on the plane to the test workstation on the ground.

THE OUTCOME

Our prototype will allow faster testing procedures.

It will be able to:

- Communicate with the workstation via MK3 protocol
- Communicate wirelessly with the test box on the plane
- Extract the information received by the test box
- Send commands from the workstation to the test box

THE TEAM

3 Computer and Network
Engineering Students

+ *Software development*
+ *Networking and Wireless*
Communications
+ *AI, Security, Systems*

3 Automatics and Electronics
Engineering Students

+ *Embedded software*
+ *Hardware components*
+ *Wireless communications*

THE CLIENT

Sterela, an engineering services
company

Airbus, European leader in
aircrafts production