TOUCANS : *« Mock-up of image chains for taxi and associated V&V tools »*

AIRBUS dgac

OKTAL-SE associated with **AIRBUS** develop new sensors for specifics environment observation.

The concept consists in increase the automation level of navigation functions and observation.
There are different constraints to take into account in the flight phases :
- Cruise: weather conditions
- TMA (terminal manoeuvring area): obstacles, airport conditions
- Taxi: traffic, visibility, pilot assistance...

OKTAL-SE is in charge of different tasks
- the 3D virtual Blagnac Airport mock-up
- LIDAR (Light Detection And Ranging) simulation in the taxi sceneries
- Provide labelled and tagged images (visible and infrared)