



## Future Cockpit / Human Factor Studies



The project aim is to study pilot behaviour in an overloaded field (technological, legal and safety). Through experimental approach, combining crossed skills teams, the studies lead to efficient Human Machine Solutions and Strategies for future transportation systems.

### AIMS

Nowadays, air transportation systems shall combine an high level of requirements.

We aim to identify the most efficient strategies for Human Machine Interface managed by the Pilots in order to match these requirements.

### PRODUCTION

Activity consists in testing environment and strategy set-up, for execution of the tests and their analysis, including pilots behaviour. For that we include :

- Traffic constraints and density
- Safety and Security standards
- Multi-systems cooperation
- Psycho and neuro ergonomy

Our expertise in the last topic, allows us to perform the correct analysis of the best HMI.

### BENEFITS

Main benefit is to include from the start of the conception of a futur transportation system (to operate or to control it) the Human dimension.

It helps also to analyse, on current systems, human capabilites mitigation : mental overload, brain selective behaviour, vision, audition...

### CUSTOMER



### MAIN TECHNOS



### METRICS

FTE



3

MONTH



18