HMI for hybrid aircraft

MBVision

Prof. Dr. Massimiliano Pinucci | MBVision

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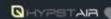


















PIAGGIO&C.s.p.a.



Bianchi















What's next?











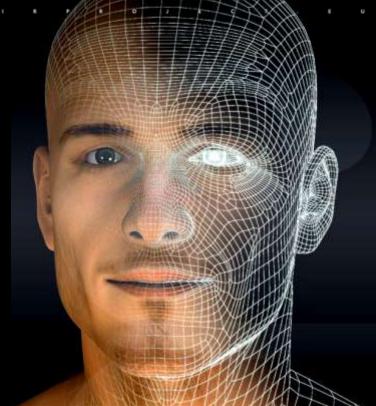








Human First (then the machine)

















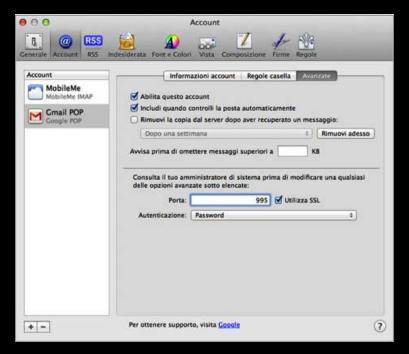






Interface

For professional users















































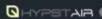
HMI for hybrid aircraft

 Design concepts of HMI for hybrid/electric aircraft: instruments, interfaces, controls for the management of the plane and the propulsion system;

Studies of **ergonomics** and **usability**.

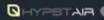
Definitive design of **layout/interface** for specific instruments.

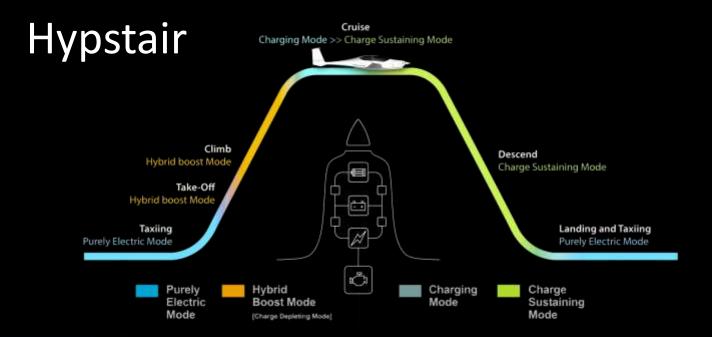
Support in the **design of the cockpit** and the **dashboard**.

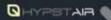


HMI for hybrid aircraft

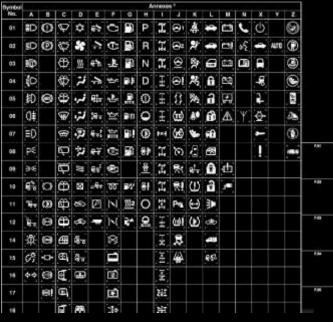
- Expanding the know-how in the field of instruments for electric and hybrid engines (interaction/usability)
- New standards in the design of HMIs for aircraft/vehicles with electric or hybrid engines.
- Transfer the project results in other areas such as nautical, automotive, control of complex machines.





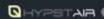


ICON





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Icon SYSTEM































Generic









ICON OFF MODE

HEPU







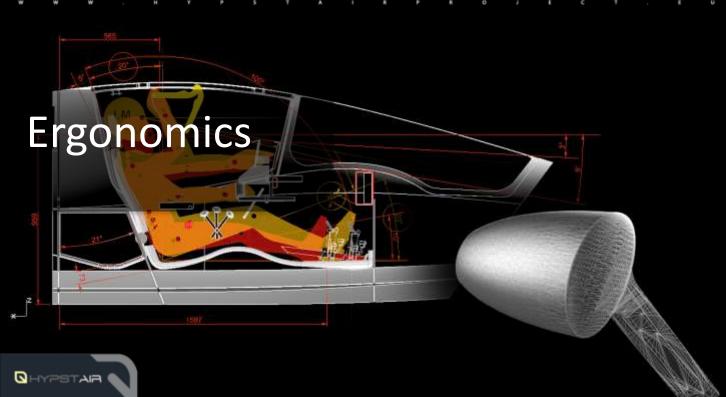
Fuel















Simulation

With University of Pisa





Next Step: whole cockpit



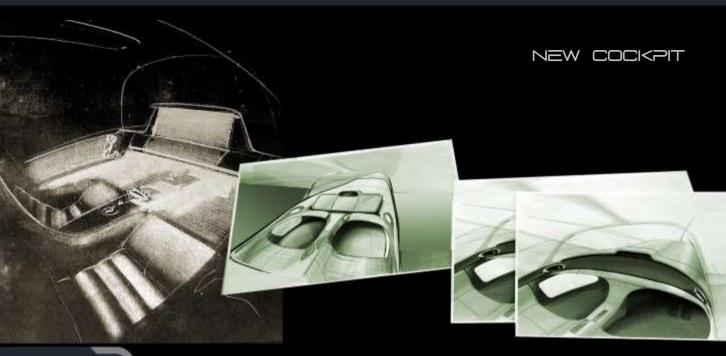








ALPHA Electro







Electric/hybrid powerplants are ready to change the world of aviation. The HMI must follow this process. Even lead it...

Iphone Ipad Iwatch

I-brid aircraft?:)



Thank you

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