



Fluid Actuation & Control Toulouse

**FACT provides its customers with innovative, robust
& cost
effective servovalves solutions for Aerospace**

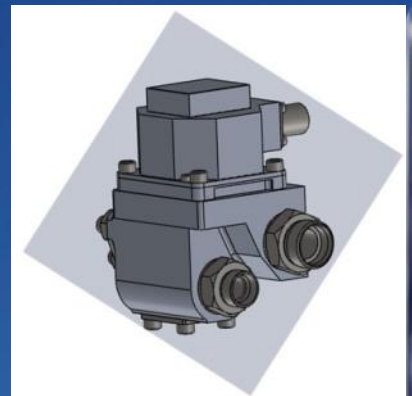
- **Aircraft & Helicopter Engines**
- **Auxiliary Power Units**
- **Air Management Systems**
- **Air Cabin Systems**
- **Fuel & Inerting Systems**
- **High temperature Fuel cells**



Mastering complete life cycle of products from design to manufacturing

Examples of FACT DDV value provider applications

- Fuel & oil metering units
- Butterfly valves's first stage (bleed, fuel, oil)
- Actuator positioning valves
- Hydraulic power stage positioning valves
- Oil metering & splitting valves



FACT DDV abilities compared to jet pipe servo-valves

- * **Up to 50% less expensive thanks to our innovative concept**
- * **Suitable for all gases and liquids**
- * **Extended system pressure range (0 to 70 bar)**
- * **NPRD 2016 Reliability calculation 2 x better than JPSV**
- * **Similar chip shear force & driving voltage**
- * **Higher accuracy & null stability**
- * **Large range of flow & ways number**



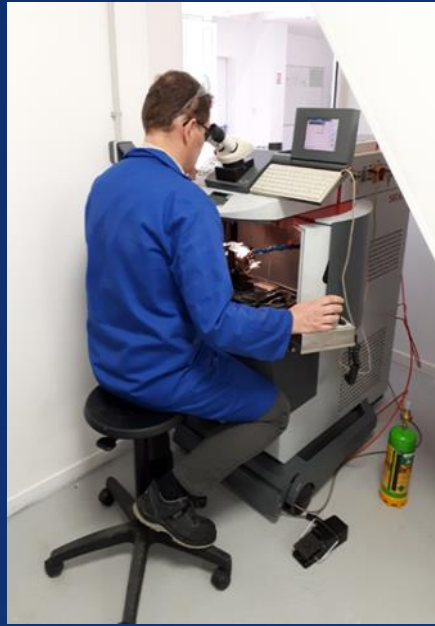
FACT DDV compare to flapper nozzle ser- vovalve

- * **Similar recurring cost**
- * **Higher robustness thanks to:**
 - ⇒ **No tiny sections & filter subject to clogging**
 - ⇒ **Higher vibration resistance thanks to flexure tube enhanced robustness**
- * **Higher accuracy thanks to our patented architecture**
- * **Higher dynamic response thanks to flow range**
- * **Low leakage (up to 1Ncm³/min with nitrogen)**
- * **No external leakage**

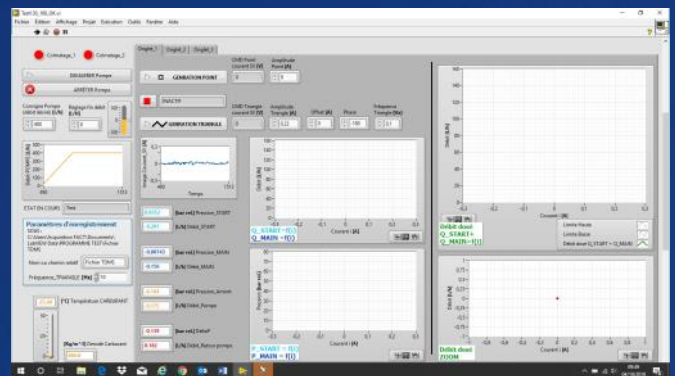


FACT

Prototypes assembly shop under laminar hoods



Cold & hot test benches/automatic cycling/ ATP

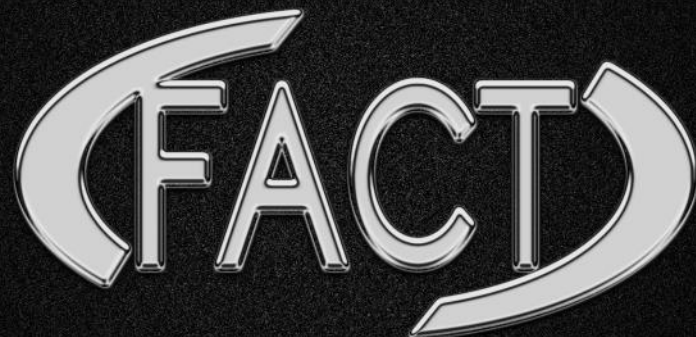


Coming soon

EN 9100 full qualification (2020)

500m2 Extendable own factory (2021)





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