



SLPC - Single Lever Power Control

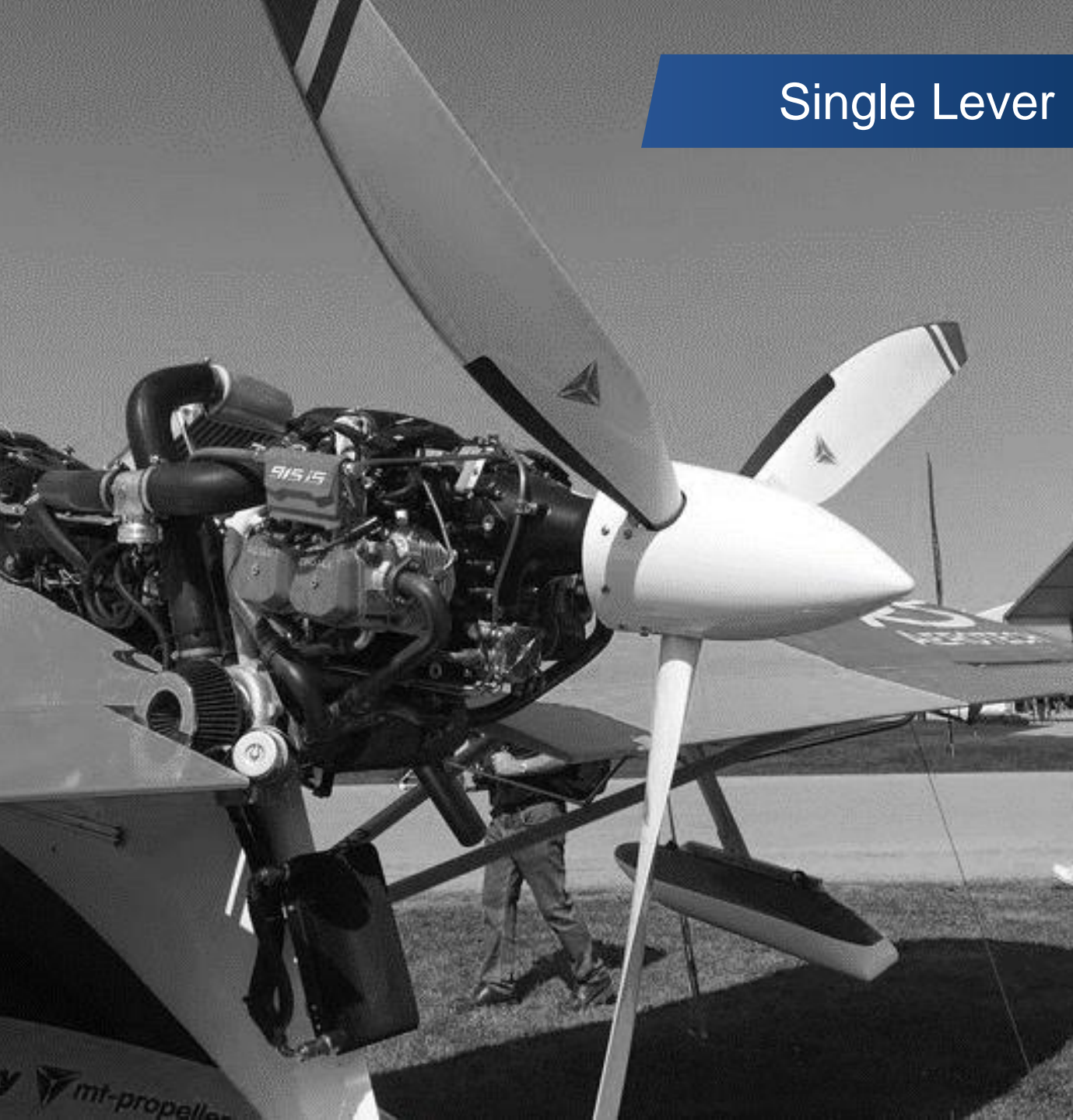
Single Lever Power Control

Characteristics:

- Automatic real time inflight propeller pitch adjustment for Rotax iS driven aircraft
- Easy handling of a fixed pitch propeller combined with the performance of a constant speed-propeller

Advantages:

- Better performance
- Higher efficiency
- Lower complexity
- Lower workload
- 100 % fail-safety
- Simple integration



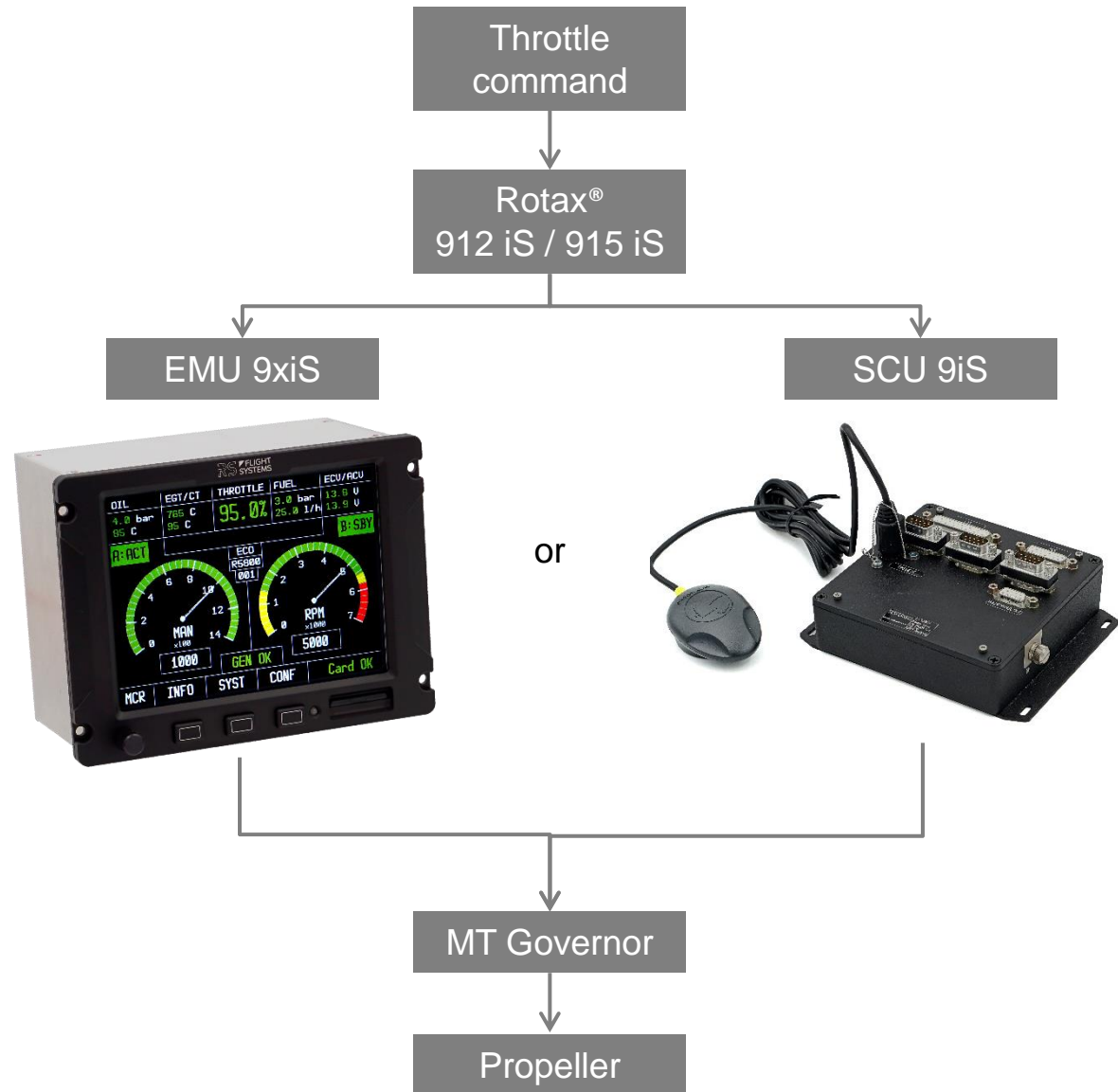
SLPC - System Overview

System:

- Link between throttle lever and engine remains untouched
- Engine data from ECU are delivered to EMU or SCU
- EMU/SCU signal controls MT Governor and leads to propeller pitch adjustment

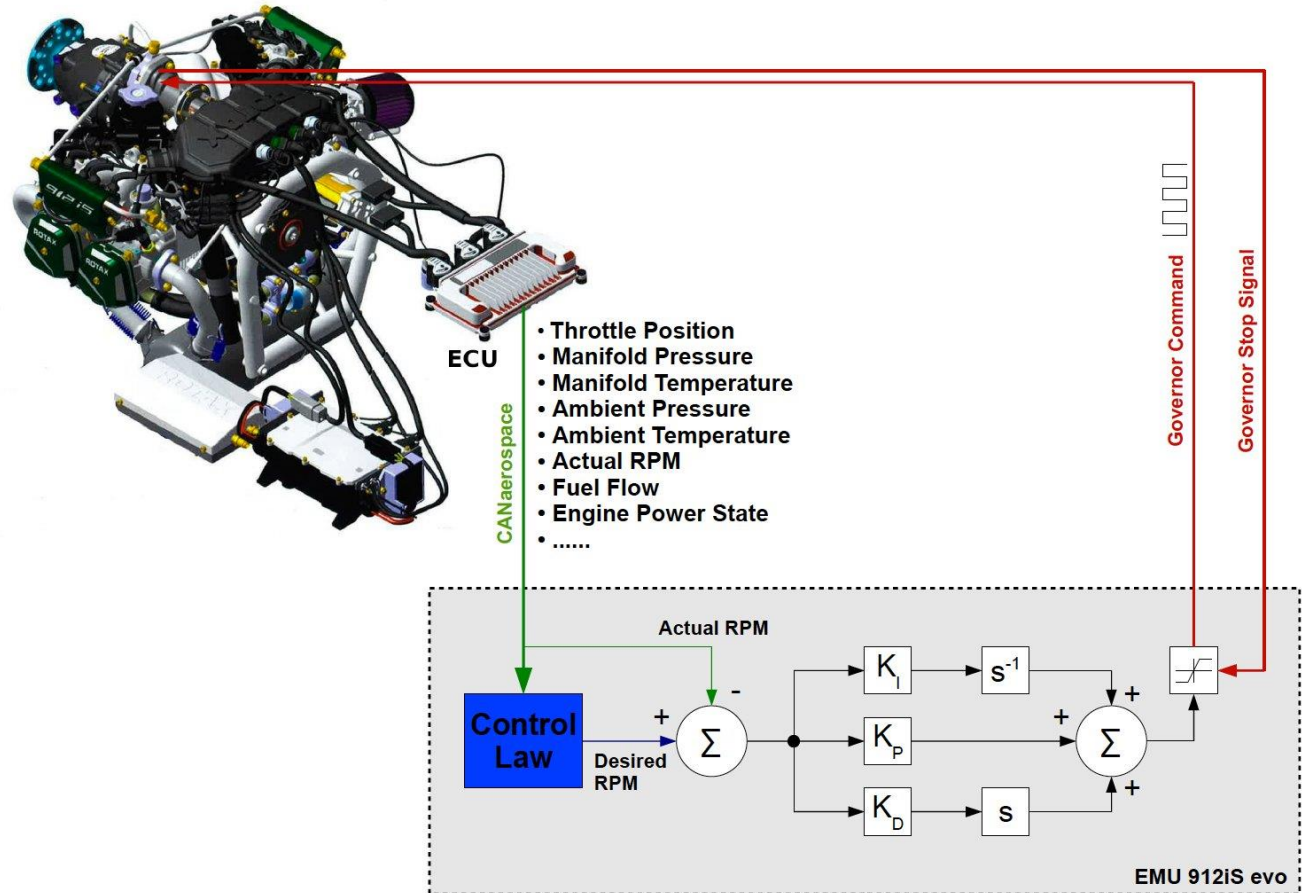
Safety:

- Redundant CANaerospace bus lanes
- Closed loop RPM control
- Backup battery
- Mechanical pitch limits for MT Governor
- Aviation standard wiring



Control Law

- Desired RPM computed with multi-dimensional fields consisting of engine and ambient parameters
- Based on high number of flight test and test stand data
- EASA certified in CS23 aircraft
- Customized setups for fixed wing, STOL and gyro aircraft available



Point of Contact



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