

The Airbus Flight Control System Architecture

The Airbus FCS uses a self-monitoring architecture.

It has 5 separate computers, any one of which can run the control software.

- Extensive use has been made of diversity
- Primary systems use a different processor from the secondary systems.
- Primary and secondary systems use chipsets from different manufacturers.
- Software in secondary systems is less complex than in primary system – provides only critical functionality.
- Software in each channel is developed in different programming languages by different teams.
- Different programming languages used in primary and secondary systems.

