GENESYS AVIONICS SUITE™

FLIGHT DECK UPGRADE SYSTEM FOR CASA CN-235 AIRCRAFT

Precise Performance.
Proven Experience.
Personalized Attention.

GENESYS AEROSYSTEMS
a Moog Company

COMPLETE FLIGHT DECK UPGRADE FOR CASA CN-235 AIRCRAFT

The Genesys Avionics Suite™ provides renewed operational life and increased mission effectiveness through a complete and comprehensive cockpit system upgrade customized to the unique operational needs of existing CN-235 aircraft.

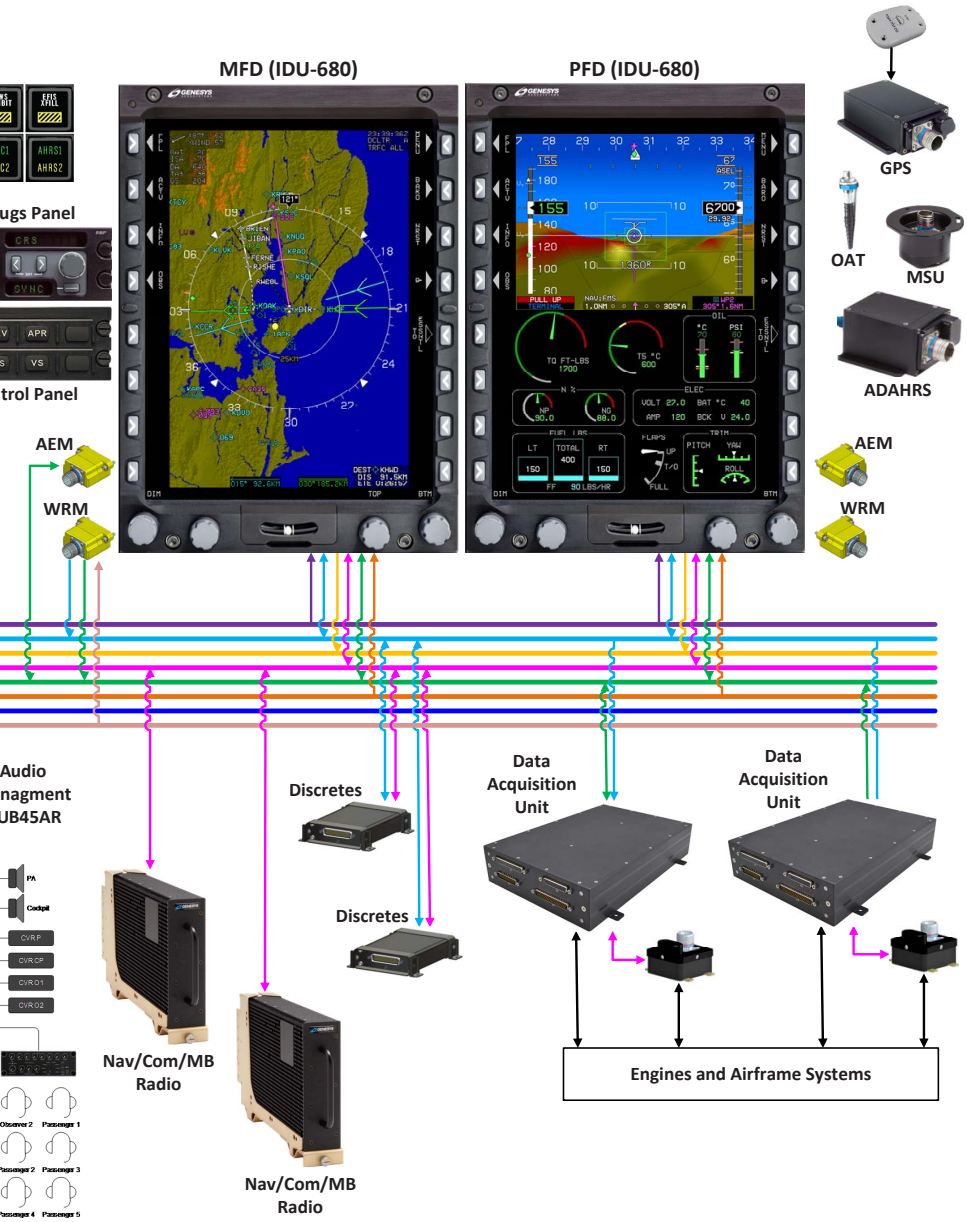
The Genesys Avionics Suite™ provides a future-forward technology architecture with future-proof upgradability. This allows the aircraft to be upgraded as new features and technologies are fielded in the future to keep the CN-235 modernized and mission effective. The Genesys Avionics Suite™ provides more capabilities and greater performance at a fraction of the cost.

SYSTEM COMPONENTS

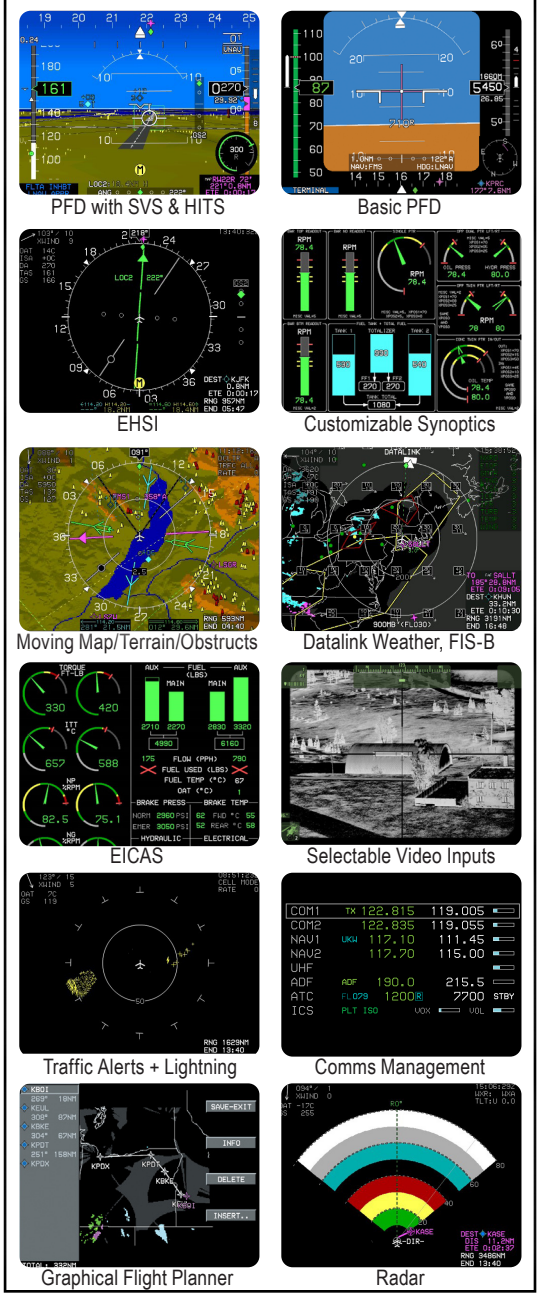
- EFIS Displays
- Autopilot
- NAV/COMM Radios
- Electronic Flight Bags
- Transponders
- Sensors & Antennas
- Audio Management
- Control Panels
- Switches & Indicators
- GPS & ADAHRS

Features of the Genesys Avionics Suite include:

- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- TAWS terrain warning & alerting
- Full EICAS display capability
- Integrated Genesys UHF/VHF digital Nav/Comm radio package
- Fixed-wing S-TEC Autopilot
- Integrated voice warning master caution system
- Mil-Std qualified
- NVG compatible



OPS FEATURES



Genesys Avionics Suite™ Components

EFIS - Primary & Multi-Function Flight Displays

Genesys' IDU EFIS suites feature a variety of PFD and MFD formats that can be configured to show flight instruments, moving map, HSI, flight planner, traffic, terrain, weather radar, datalink, video, radio/audio management, and engine displays.

FMS - Flight Management System

Genesys' IDU EFIS suites feature a built-in Flight Management System for improved mission effectiveness, enhanced safety, and workload management.

EICAS - Engine Indication & Crew Alerting System

Genesys' patented OASIS (Open Architecture System Integration Symbology) software allows easy customization and display of engine information and CAS messages.

TAWS - Fixed Wing & Rotary Wing

Genesys' IDU EFIS suites feature all classes of fixed wing and helicopter TAWS (Terrain Awareness and Warning System) for enhanced safety and workload management.

SVS - Synthetic Vision & Highway-In-The-Sky

Genesys' 3D Synthetic Vision and Highway-In-The-Sky flight navigation enhances safety and reduces pilot workload plus provides precision aircraft operations including RNP and LPV approaches.

Fixed-Wing Autopilots

S-TEC fixed-wing autopilots are full-featured, attitude-based digital flight control systems that provide dramatic workload reduction and safety enhancements making flying safer and more enjoyable.

Electronic Flight Bags

Optional electronic flight bags (EFB) provide increased mission planning and execution effectiveness. EFB's provide off-the-shelf ready solutions for tactical air drop planning (HARP/CARP) and other planning benefits.

Radios - Navigation & Communication

The Genesys Digital Radio (GDR) is a family of remote-mount, software-definable radios combining VOR/localizer/glideslope and marker beacon navigation and VHF communication with a UHF communication option in a single box.

Interfaces

System interfaces are key to the open-architecture design to help dramatically reduce integration costs and schedules. The Genesys Avionics Suite includes all necessary interfaces to get the aircraft up and flying.

Sensors

Sensors provide key aircraft system inputs to help increase aircraft operational performance and reduce integration costs and schedules. The Genesys CN-235 avionics suite includes all necessary sensors to get the aircraft up and flying.

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