



Astronautics
Corporation of America

Helicopter Avionics System

UH-1 Cockpit



EFIS/EICAS
Display



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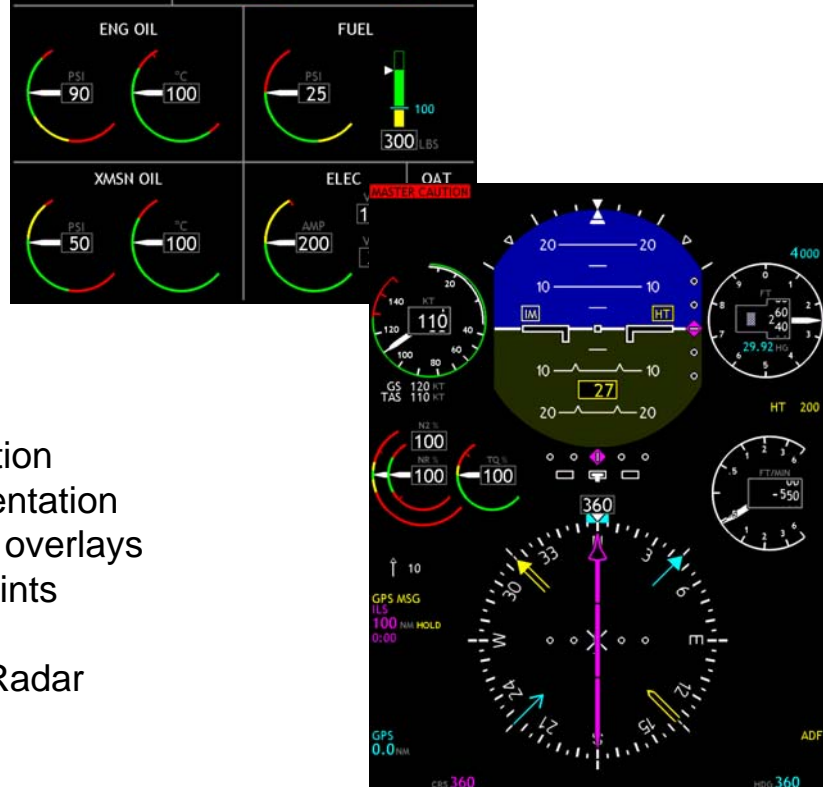
- **Integrated Avionics and Mission System**
- **Interfaces with existing and new aircraft systems**
- **Minimizes crew task loading and enhances crew performance**
- **Primary Flight/Navigation System/Engine/Crew Alert**
- **Flight Management System/or GPS Navigation**
- **Communication & Navigation Radios**
- **Surveillance, Weather Radar, Traffic, Terrain optional**
- **Inertial Navigation System or AHRS**
- **Electronic Flight Bag/Tactical Display optional**
- **System available with 3, 4, or 5 displays**



Reversionar



Engine



Primary Flight/
Navigation

FMDS Functionality

- Primary Flight/Navigation
- Compass or Arc presentation
- Functional Navigation overlays
 - Map with waypoints
 - TCAS
 - Color Weather Radar
 - Terrain
 - FMS or GPS
- Flight Parameters
 - Attitude, Airspeed, Altimeter, Radar
 - Altimeter, Vertical Velocity, Turn & Slip,
 - GPS, RI, Course Deviation, DME, Marker
 - Beacon
- FMS Messages
- Engine Instrument
- Crew Alert

Features of System

- Introduce CNS/ATM Capabilities
- Ensure Supportability of Avionics
- Improved Communication and Navigation Capabilities
- Adaptable System to Meet Varying Customer Requirements and Budgets
- NVIS Compatible
- Reconfigurable System

System Elements

- EFIS/EICAS
- Engine Data Concentrator Unit
- FMS or GPS
- Radar Altimeter
- VOR
- ADF
- DME
- AHRS or INS
- Transponder
- Standby Instruments
- Air Data

Optional System Elements

- Weathre Radar or Stormscope
- Terrain Awareness Warning System
- Traffic
- EFB with Digital Map