## TR-3: THE OPEN ARCHITECTURE **BACKBONE OF THE F-35 LIGHTNING II**

Technology Refresh-3 is the enabler for unlocking the full capability of Block 4 modernization on the F-35 – keeping the warfighter ahead of emerging threats

## **Integrated Core Processor**

- > Multi-function processor for processing data for the aircrafts radar, distributed aperture system, electronic warfare, communications, guidance and control, cockpit and helmet displays
- > 37-fold increase in computing power for planned capability upgrades
- > The ICP system provides enhanced software stability, higher reliability and increased diagnostics resulting in decreased sustainment costs

## Panoramic Cockpit Display - Electronic Unit

- Legacy capabilities increase five-fold with modern multi-core processors
- Two independent safety critical display processors for left and right cockpit displays with redundancy

## Aircraft Memory System

Delivers twenty times the storage of the legacy system enabling increased sensor data gathering capabilities to expand situational awareness **INTEGRATED** CORE **PANORAMIC COCKPIT DISPLAY MEMORY SYSTEM ELECTRONIC UNIT** 

**STRENGTHENING OUR NATION'S AIRPOWER** 

