OCEANA SENSOR
Wireless e-Diagnostics™

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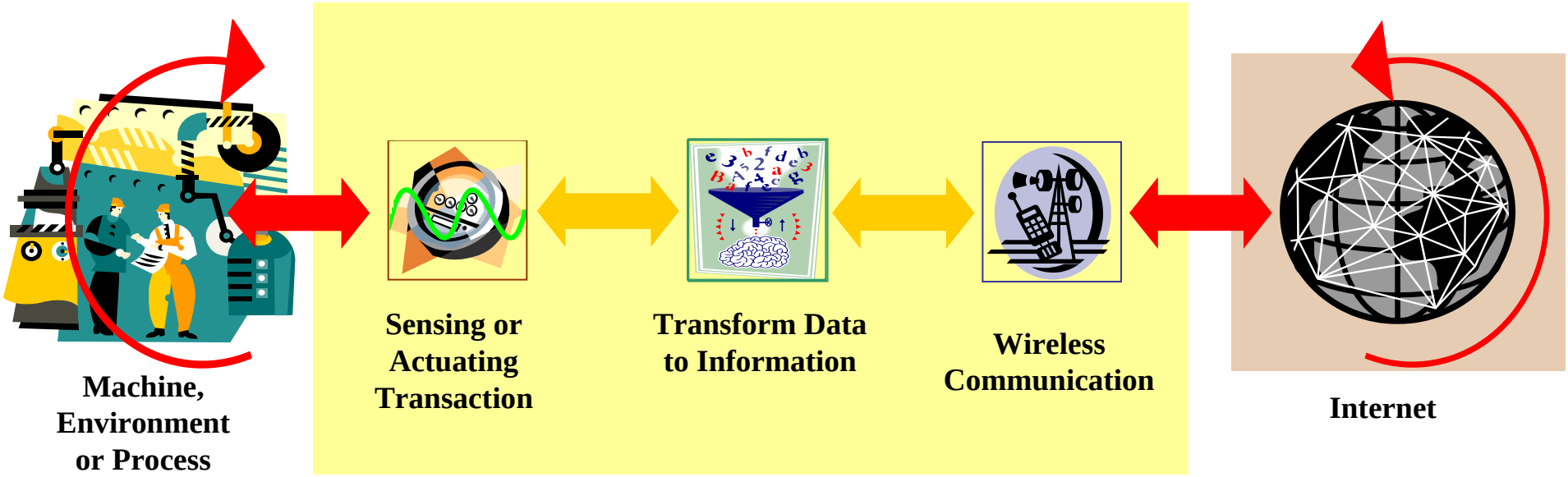
Wireless Smart Sensing



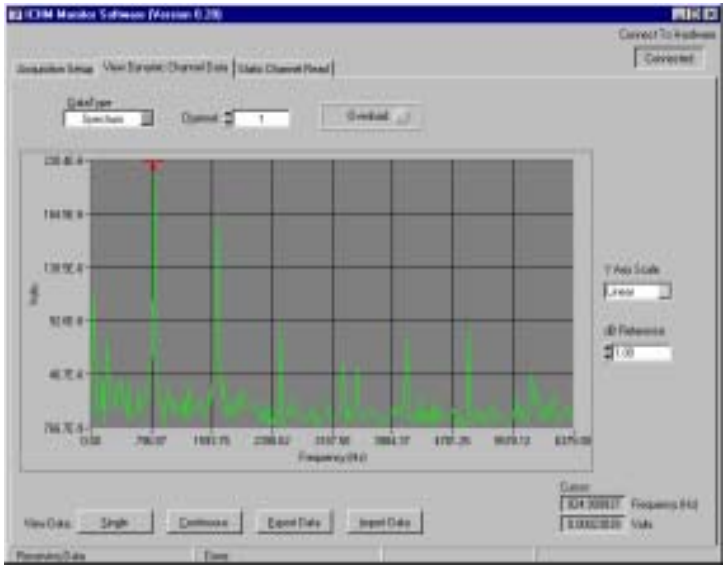
ICHM® 20/20 & SHM™

Wireless DAQ Module

- 2 High Speed Dynamic x 4 Static Channels
- 32 Bit Floating Point DSP, 4 MB RAM
- Bluetooth™ Wireless Technology
- 120mm x 80mm x 50mm, <300 gm
- NEMA 4 Enclosure and Connectors
- Supports MIMOSA/OSA CBM Information Model

PDA or Computer Interface

- User Interface for DAQ Setup
- Near Real-Time Display
- Database Storage
- Threshold and Alarm Config.
- HotSynch PDA to Computer



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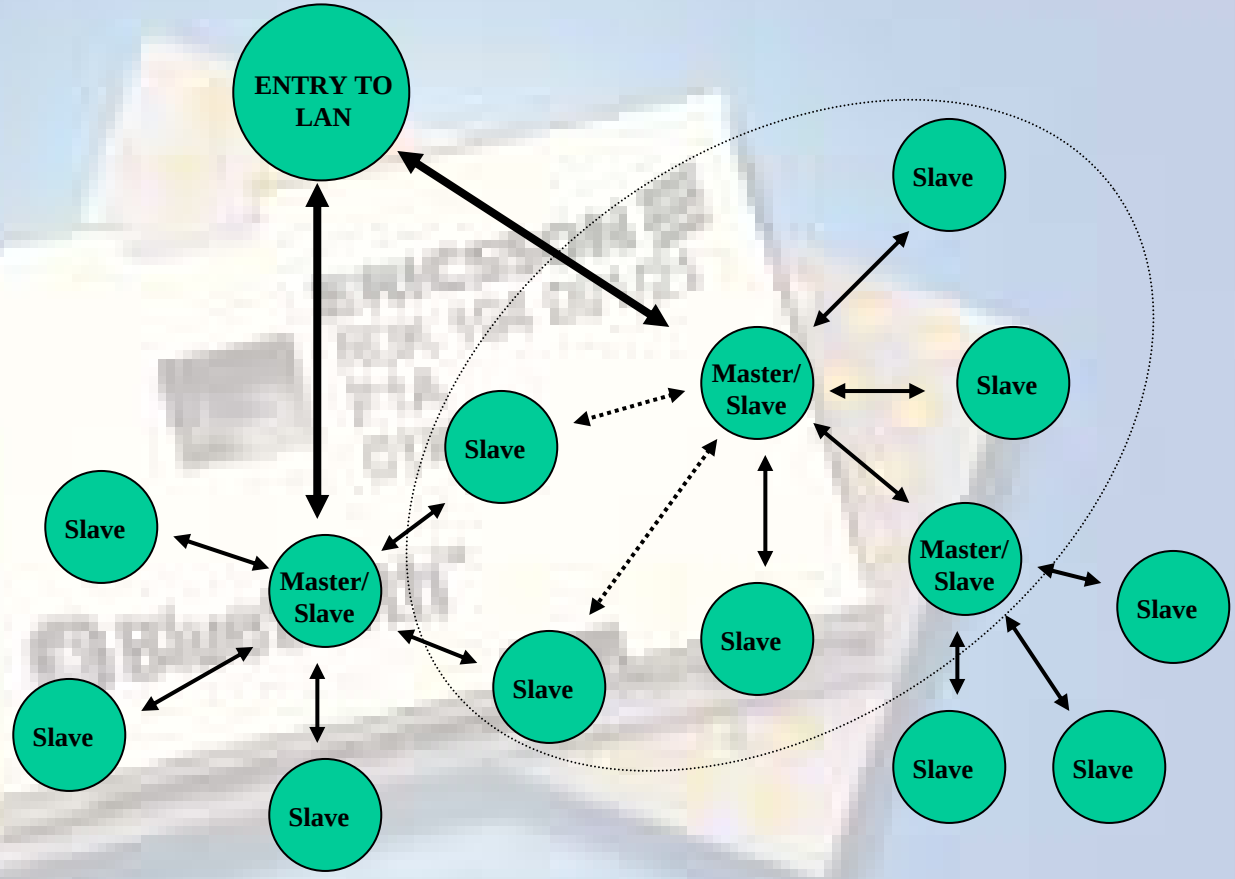
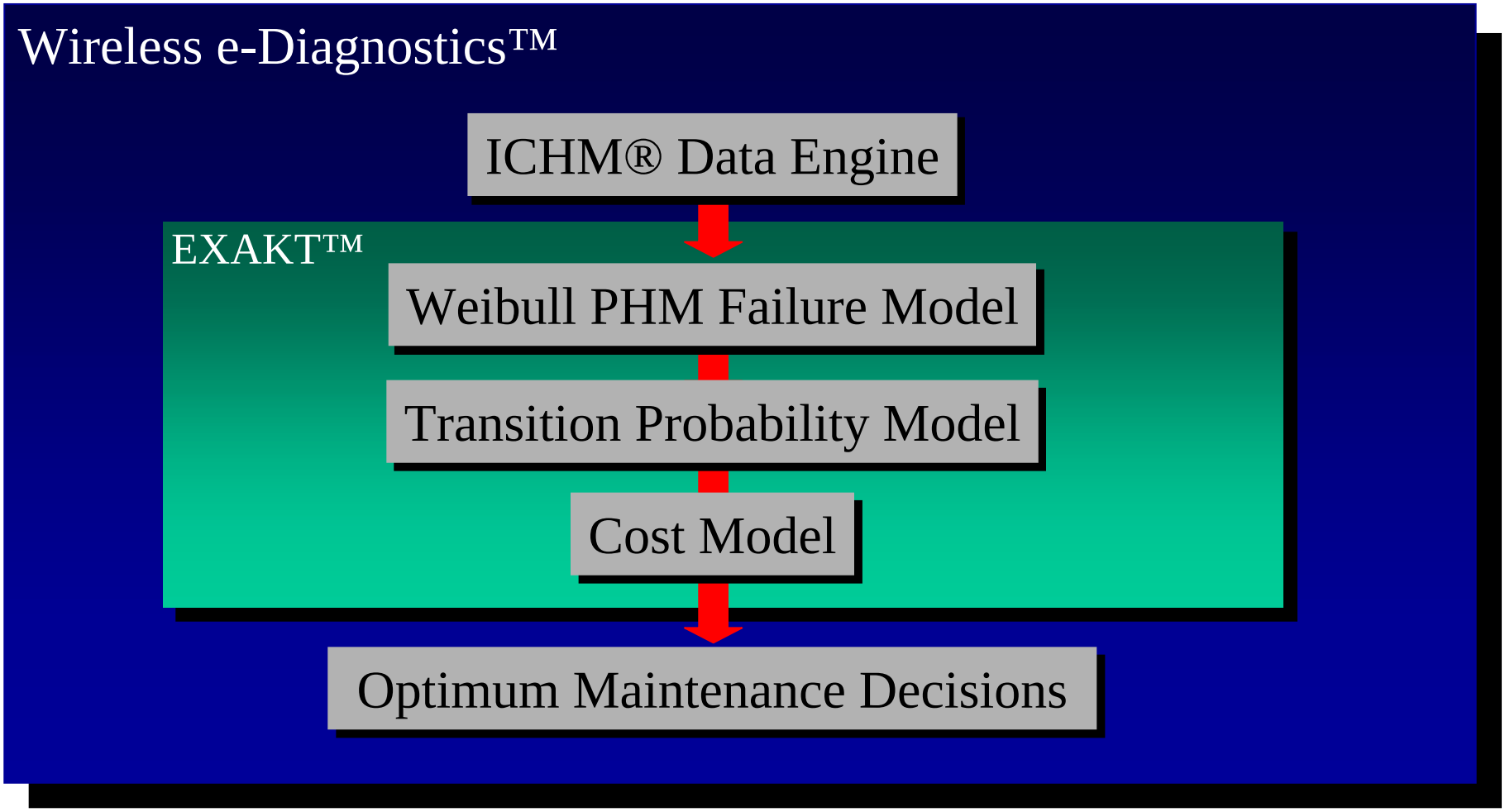
Bluetooth™ for Smart Sensors

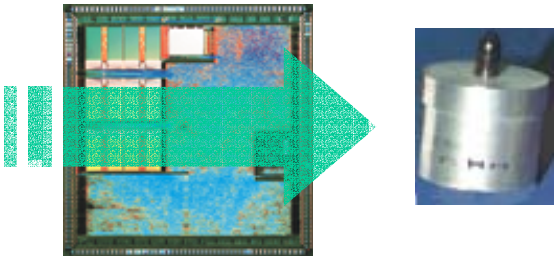
- Affordable
- Robust
- Secure



Prognosis & Decision Support



ICHM® DUAP

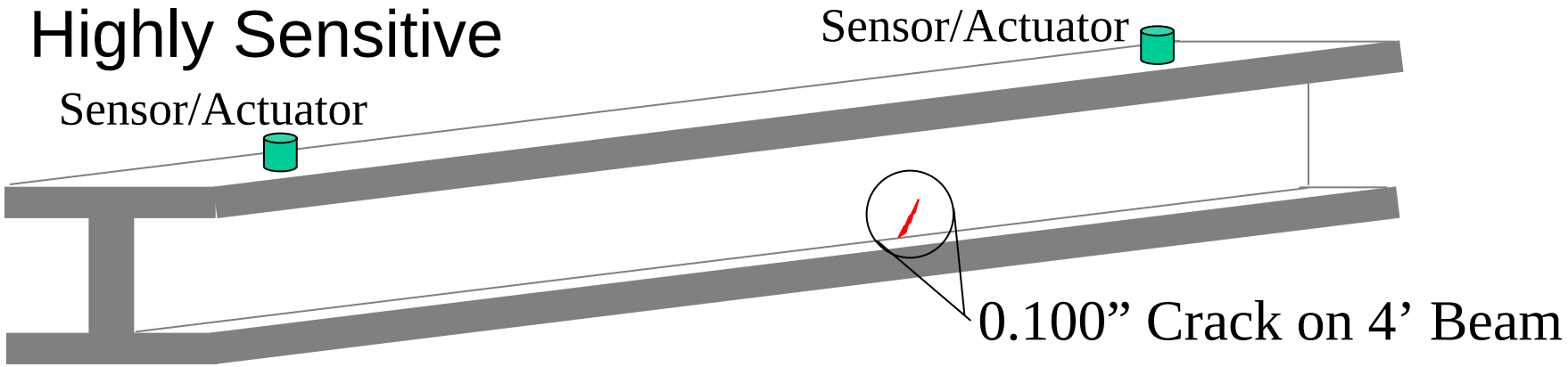


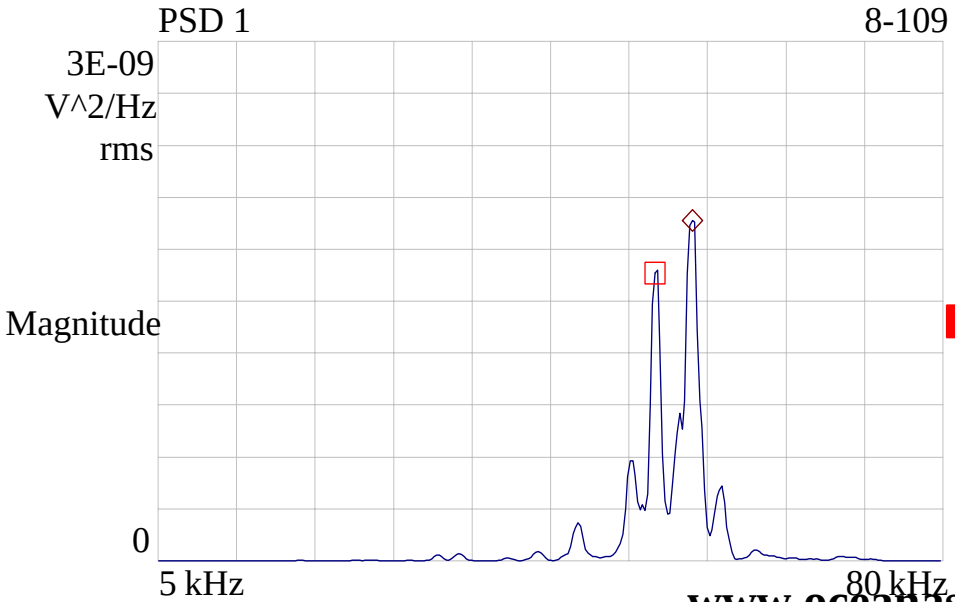
~ 1 in. Cube

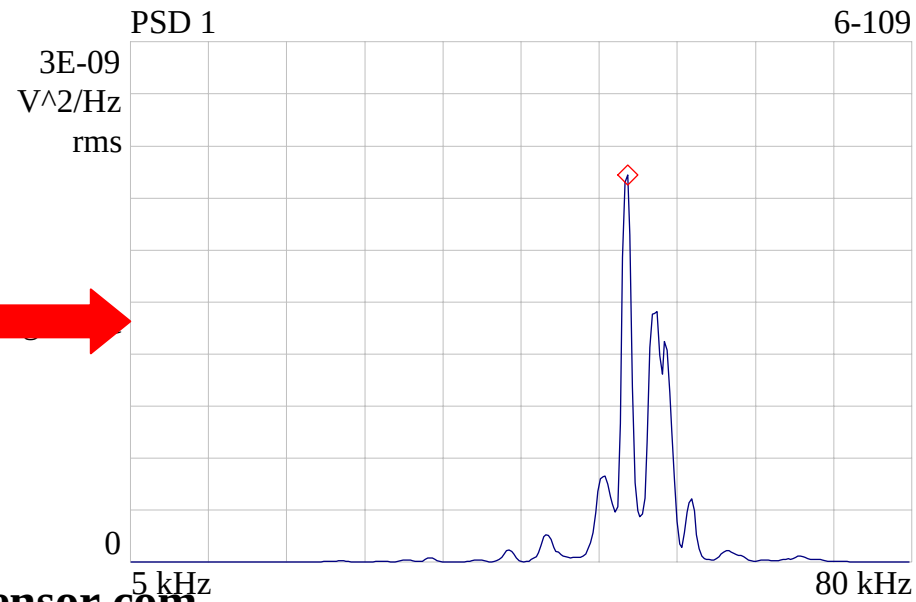
- Reduce Size
- Modular Design
- Flexible Sensor Interface
- Self-Test
- Electronic Data Sheet
- Demonstration

Structural Health Sensing

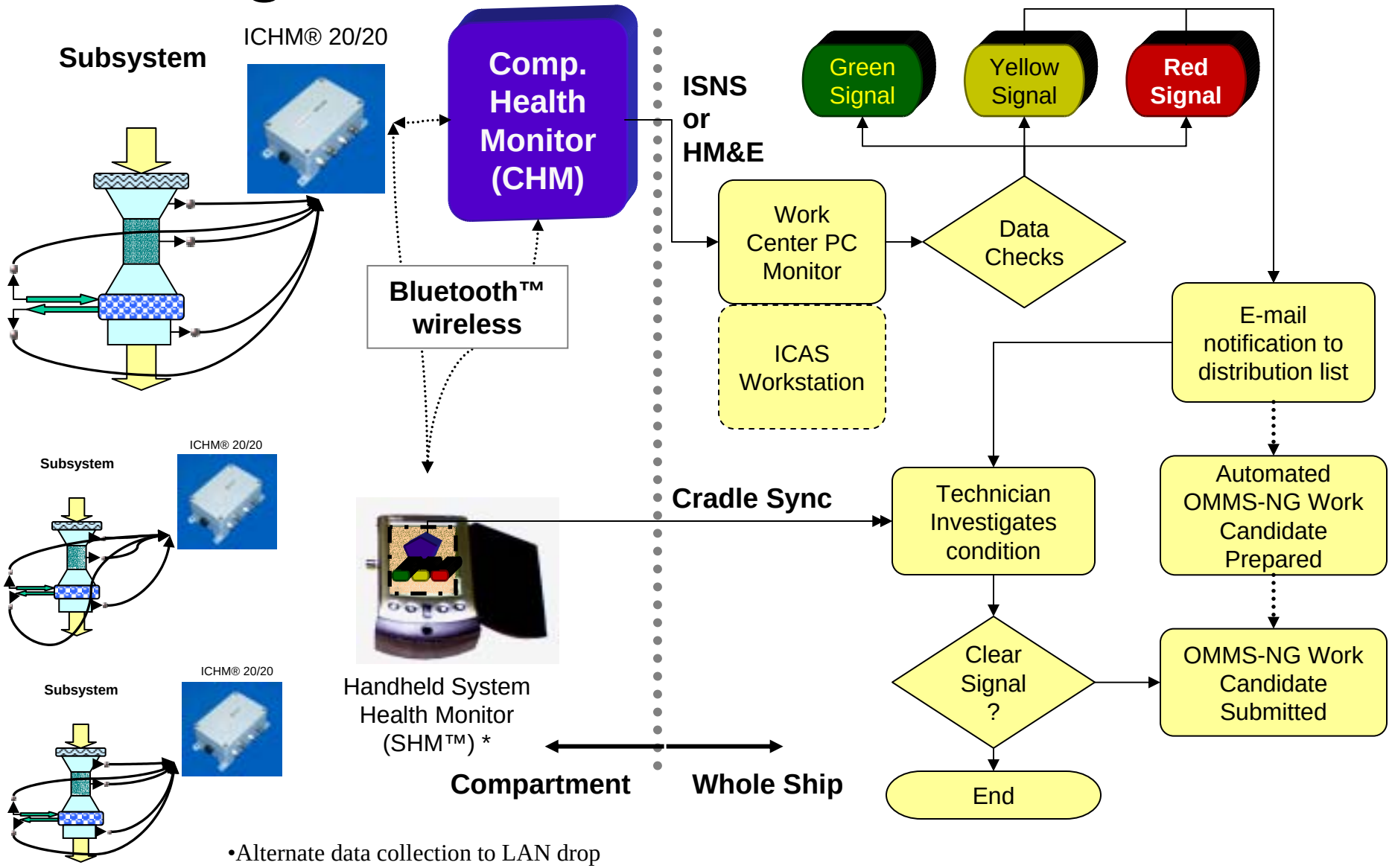
- Embedded Sensing
- Crack, Void, Fatigue, Abrasion, Corrosion Detection
- Highly Sensitive







Smart Ventilation Data Management Process



•Alternate data collection to LAN drop

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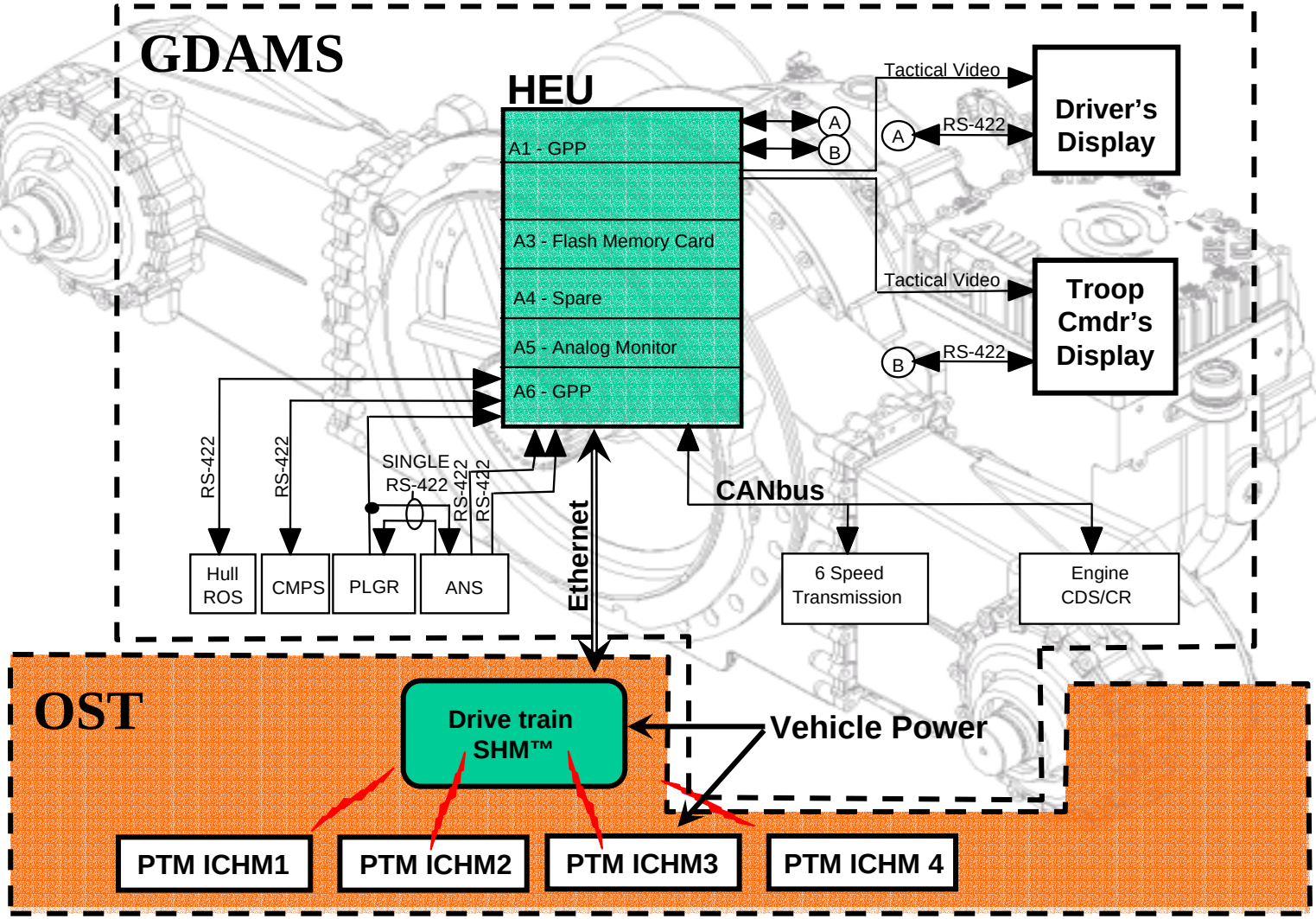
AAAV Drivetrain Prognostics



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Strong Industry and Military Need

- Condition-based Maintenance
- Asset Management
- Situational Awareness
- Operational Readiness
- Security