



Army Industry Partnerships

Sustaining and Resetting Army Aviation
Condition Based Maintenance Plus (CBM+): Best Practices
and Lessons Learned

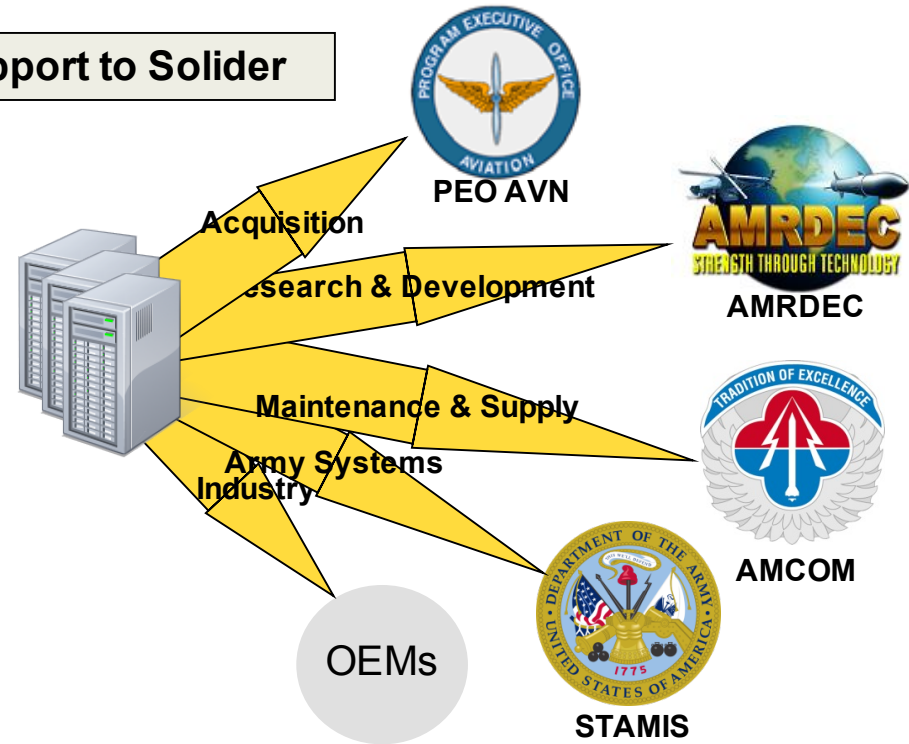
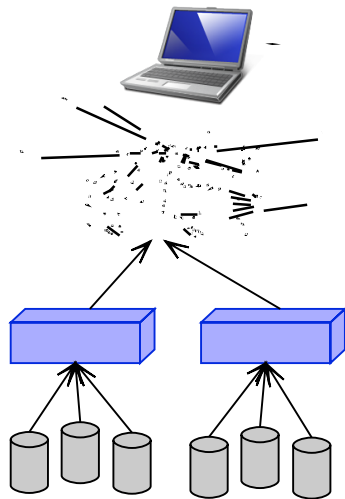
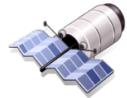
Gaylord National Hotel and Convention
Center, National Harbor, Maryland
12 January 2012

Booz | Allen | Hamilton

Defining Condition Based Maintenance Plus



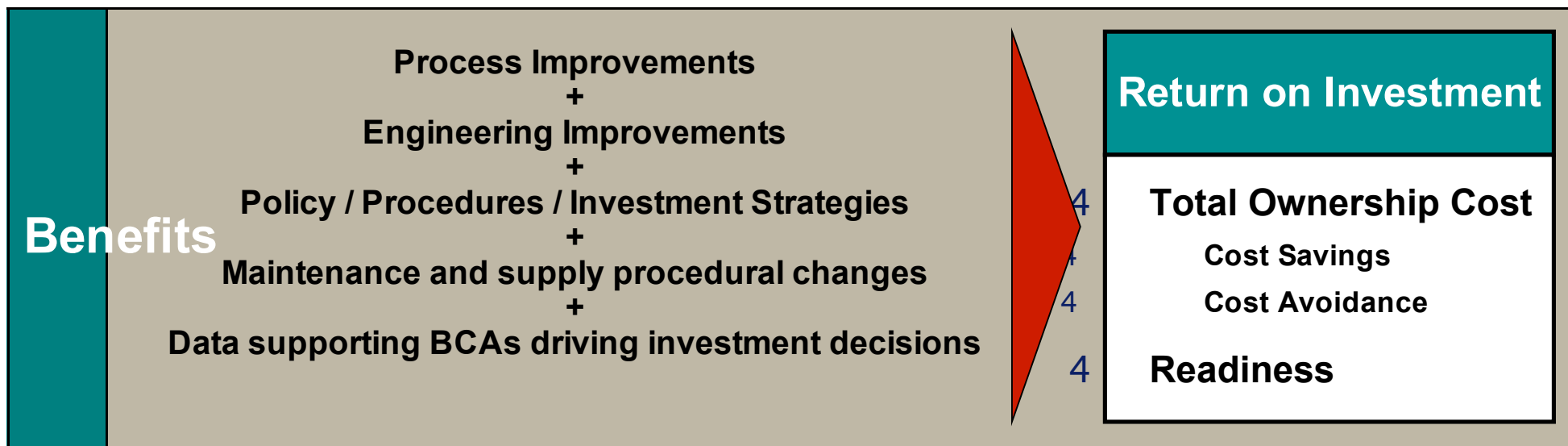
Improved Support to Soldier



Key Points to Understanding CBM+

- 4 The application and integration of processes, technologies, and knowledge based capabilities to improve reliability and maintenance effectiveness of systems and components
- 4 Maintenance is performed on “evidence of need” provided by reliability centered maintenance (RCM) analysis and other enabling processes and technologies
- 4 Uses a systems engineering approach to collect data, enable analysis, and support the decision-making processes for system acquisition, sustainment, and operations

CBM+ benefits and challenges

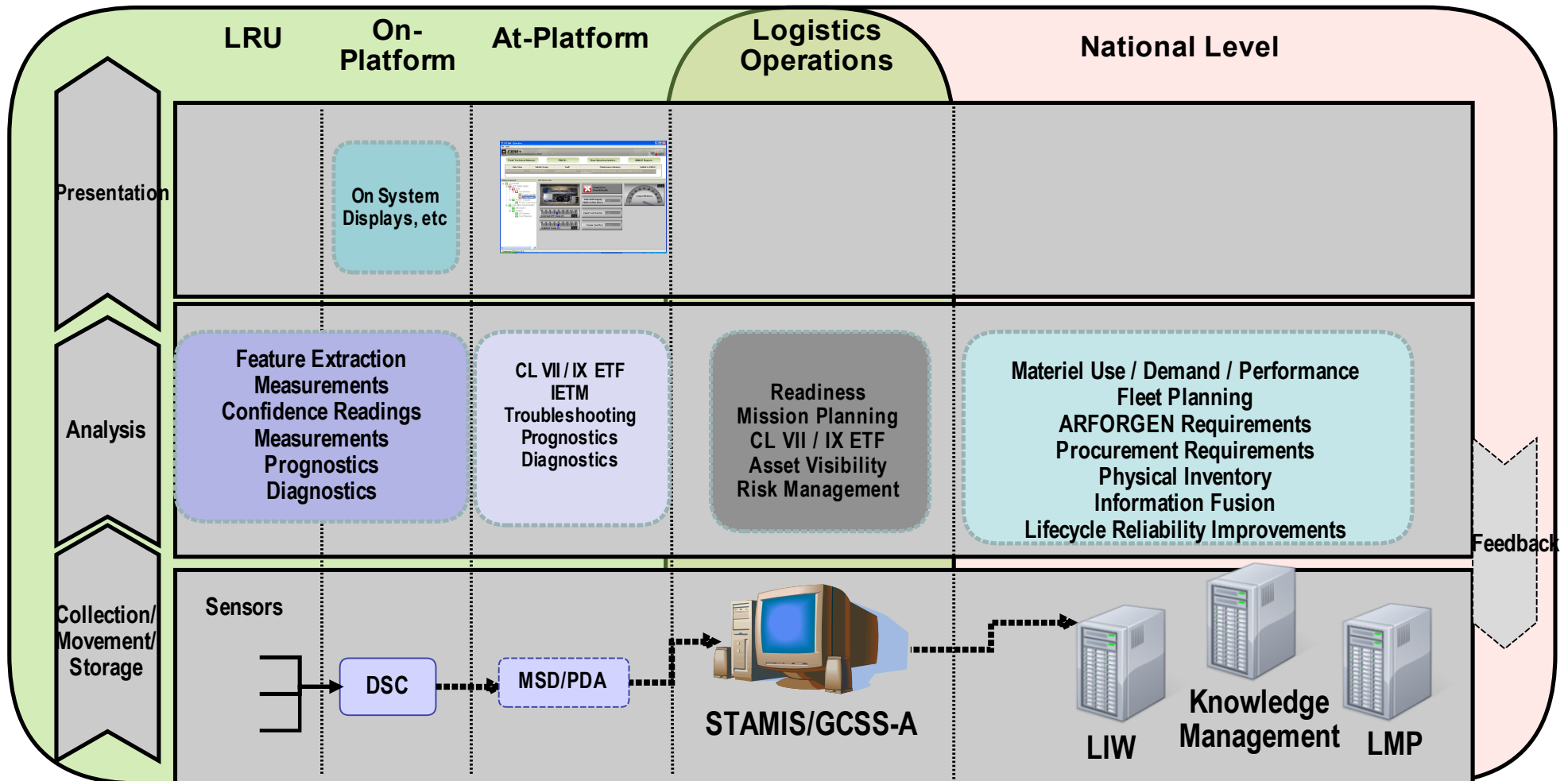


Challenges	Metrics	4 4	Have the right forward-looking metrics been defined? Does the data exist to support metric reporting?
	Data Quality	4 4	Actionable data must be accurate, of sufficient quality, and from a variety of sources Need ability to parse the volumes of available data from platform health sensors to provide users with the right data
	Risk	4 4	Bandwidth limitations will force tough decisions in the engineering environment Sound business case needed to sustain the continued investment necessary to achieve CBM+ in resource-constrained environment
	Actionable Data	4	Need to derive data that best supports decisions on Maintenance, Engineering, Requirements Determination, and Investment Decisions

The vision of CBM+ addresses full spectrum acquisition and sustainment needs...

Field

Sustainment



CBM+ is an evolutionary process that engages stakeholders to drive results

- 4 Successful CBM+ implementation enjoys senior leadership commitment thereby ensuring full engagement across the organization
- 4 The establishment of a high level Center of Excellence (COE) or an enterprise-wide structure may accelerate its comprehensive implementation
- 4 Establishing an overarching data management plan that integrates platform data with logistics, financial, and human capital Enterprise Resource Planning (ERP) efforts is critical
- 4 Detailed business cases can support future investment and optimize allocation of these resources to the most impactful task or function

The participation of all stakeholders – government and industry –will accelerate end-to-end CBM+ implementation throughout the Army Aviation domain