

Business End of EAI & BPM

**Precision Strike Technology Symposium
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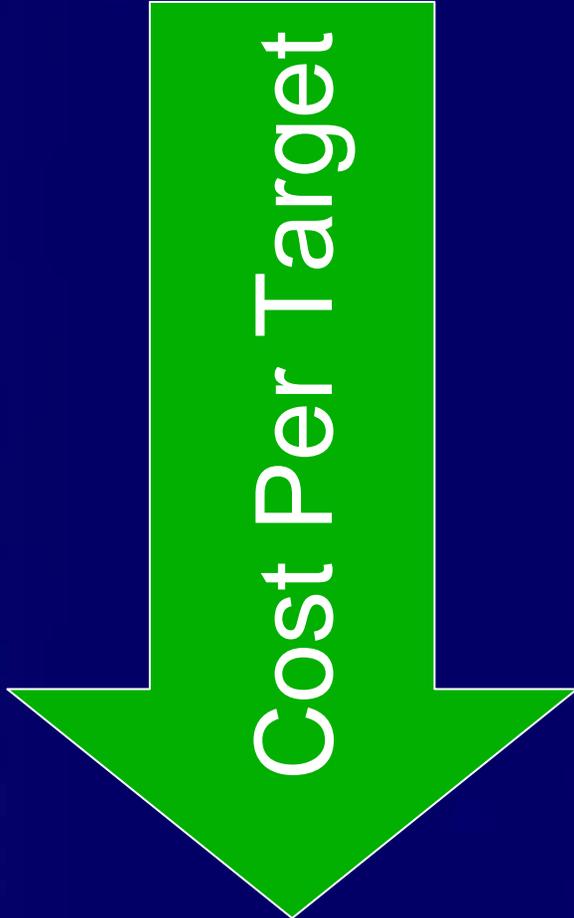
Bad To The Bone



The Other Business End



Visibility



Cost Per Target

Talking Points

- **Review EAI and BPM concepts**
 - Automate
 - Organize
 - Compare
 - Report
- **Cinergy Corporation case study**
- **Enterprise Targeting and Strike System (eTSS)**
- **Wrap-up**

The Challenges

- Increasing **productivity** without staff
- Drive project activities and **analyze metrics**
- Maintain **knowledge** with dynamic workforce
- Get **quick access** to critical information

The Challenges (Con't)

- Manage work across **geographies**
- Facilitate **collaboration** with **limited bandwidth**
- **Traceability** with digital media
- Interface **quickly** with numerous **customers**

EAI & BPM Successes

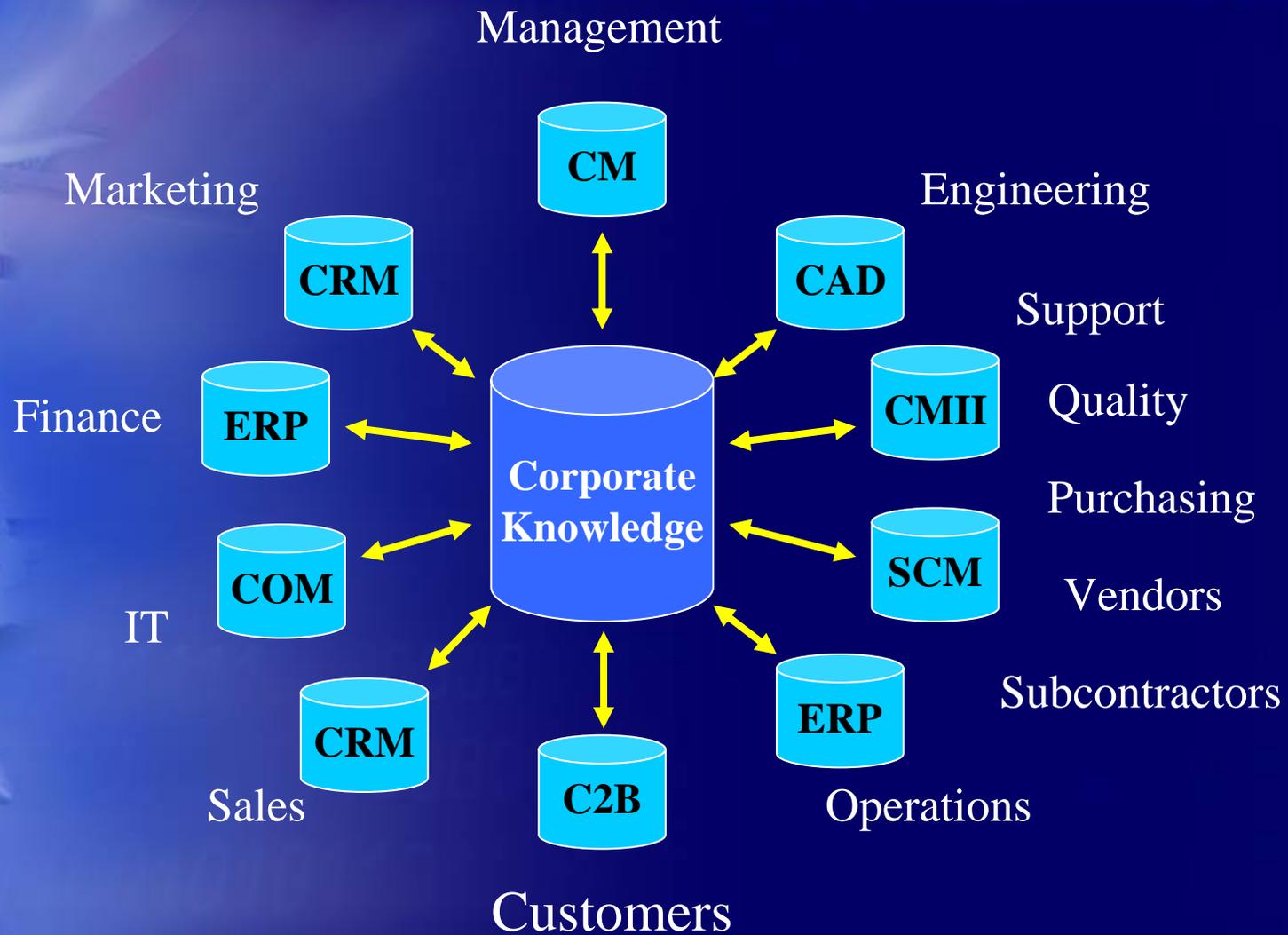
BAE SYSTEMS



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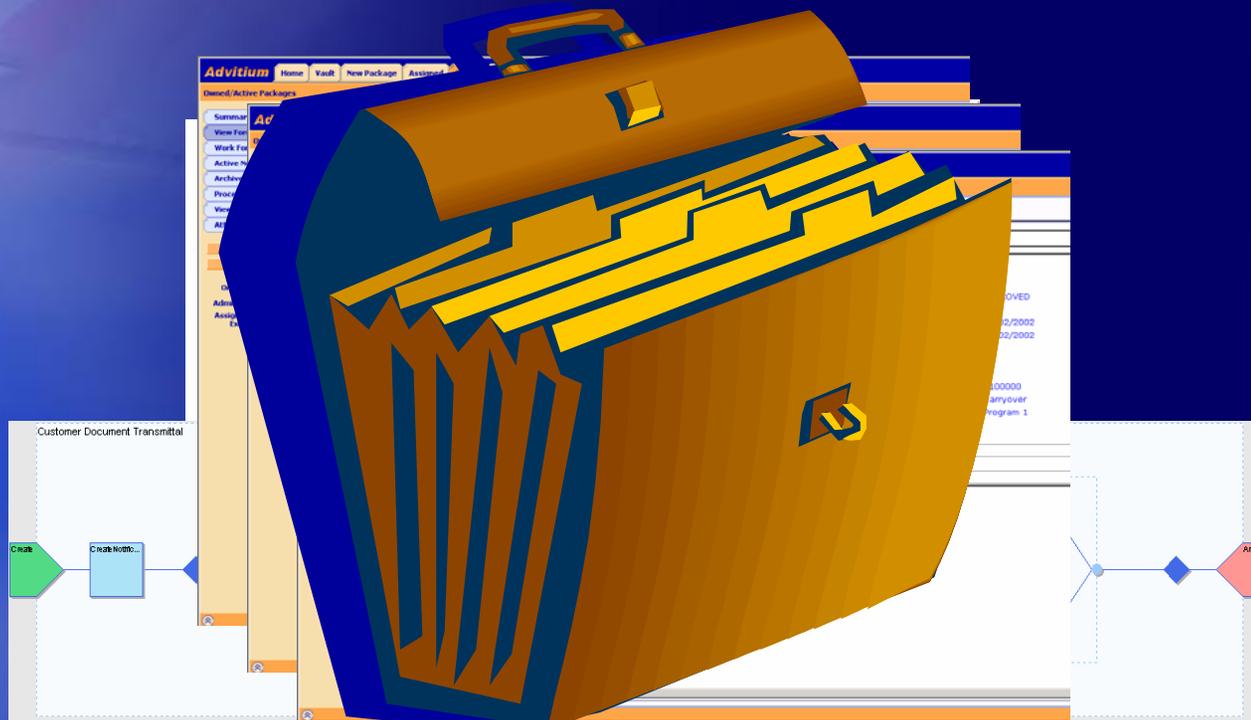
Islands Of Automation



EAI Technology Enablers

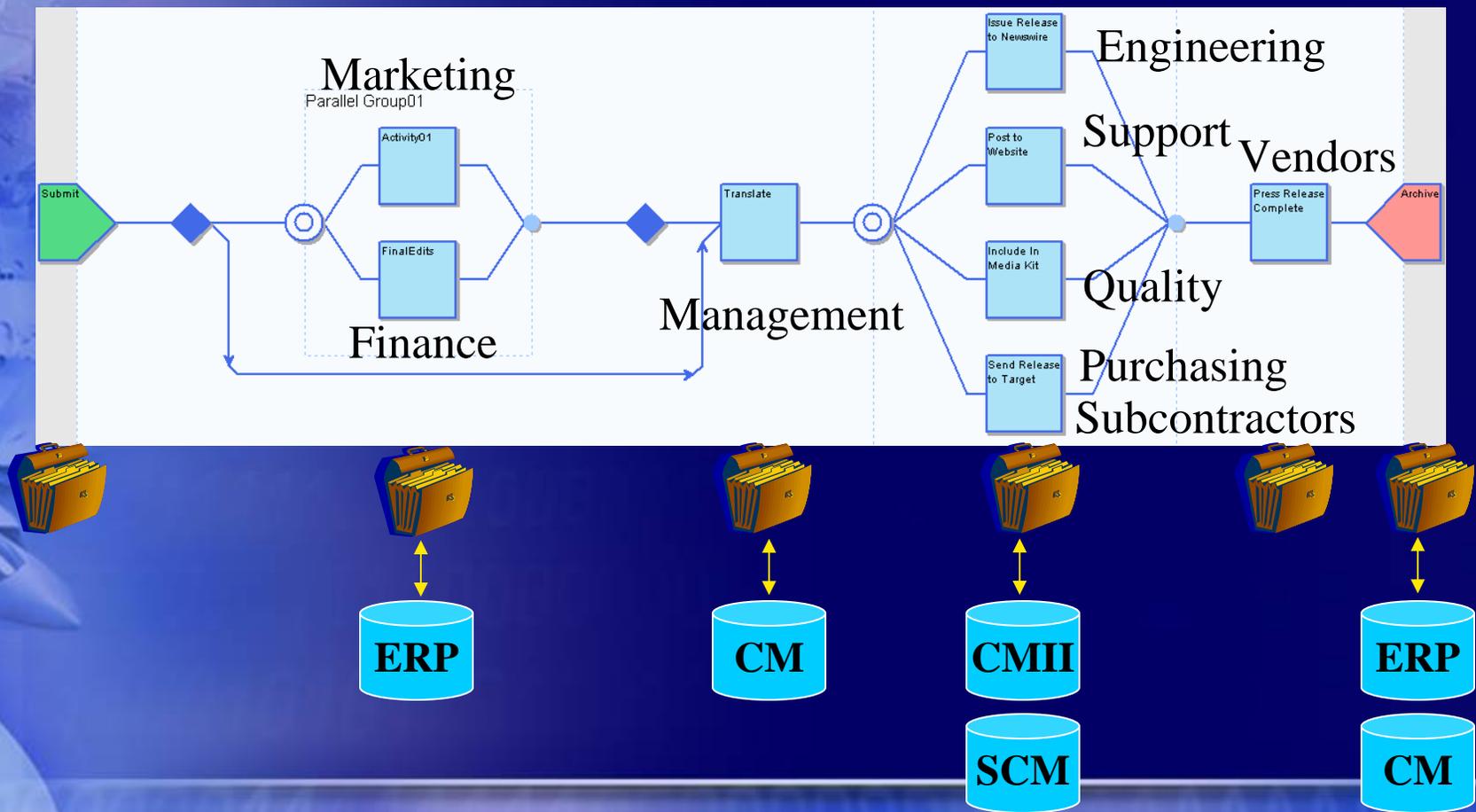
- **eXtensible Markup Language (XML)**
- **Java 2 Enterprise Edition (J2EE)**
- **.NET**
- **TCP/IP**
- **RDBMS**
- **HTTP**
- **Web browser**
- **Connectivity**

Package Metaphor



Related Information Process

Business Process Management



Softcopy Reference Folders



DCGS Soft Copy Reference Folder - Microsoft Internet Explorer provided by BAE SYSTEMS

File Edit View Favorites Tools Help

Back Forward Stop Home Refresh Print Google Search Web Search Site 60 blocked AutoFill

Address http://localhost:7001/DCGS/SoftCopyFolder.portal?_nfpb=true&_pageLabel=MainPage_Summary&folderID=0123-45678

DCGS 10.2
Softcopy Reference Library

Login Configure Summary IMINT ELINT All-Src O. B.

EO SAR IR



Map



Target Information

BE/ID: 0123-45678
Name: Tikrit Royal Palace

Nearest Folder Relations

- 1111-2222 Tikrit
- 0123-45678 Royal Palace

Current Imagery

- 12 DEC 03 Scene #0125 Pred# 014
- UAV EO video - Beale - Expl Task ID: TU140125



Overview

BAE SYSTEMS

- **Headquarters: Cincinnati, OH**
- **Over 9,000 employees**
- **Midwest leader in low-cost generation & energy commodities trading**
 - 19,000 megawatts of capacity
 - Production costs 9% below regional average
- **Energy Merchant Business Unit (EMBU)**
- **Manages 20 power stations**
- **Gibson station largest coal plant ~8,000MW**
- **Use technology for competitive advantage**

Cinergy Approach

- **Make it easy to use**
- **Support 1,500 users**
- **Leverage existing systems**
 - Oracle
 - MicroStation CAD & PDM
 - Email
 - Web servers
- **Automated 4 mission critical processes**
 - A&E Transmittal
 - New Work
 - Budget Approval
 - Work Order
- **Reduce processing cycle time by 25%**
- **Implement EAI/BPM solution in 2001**

The Results

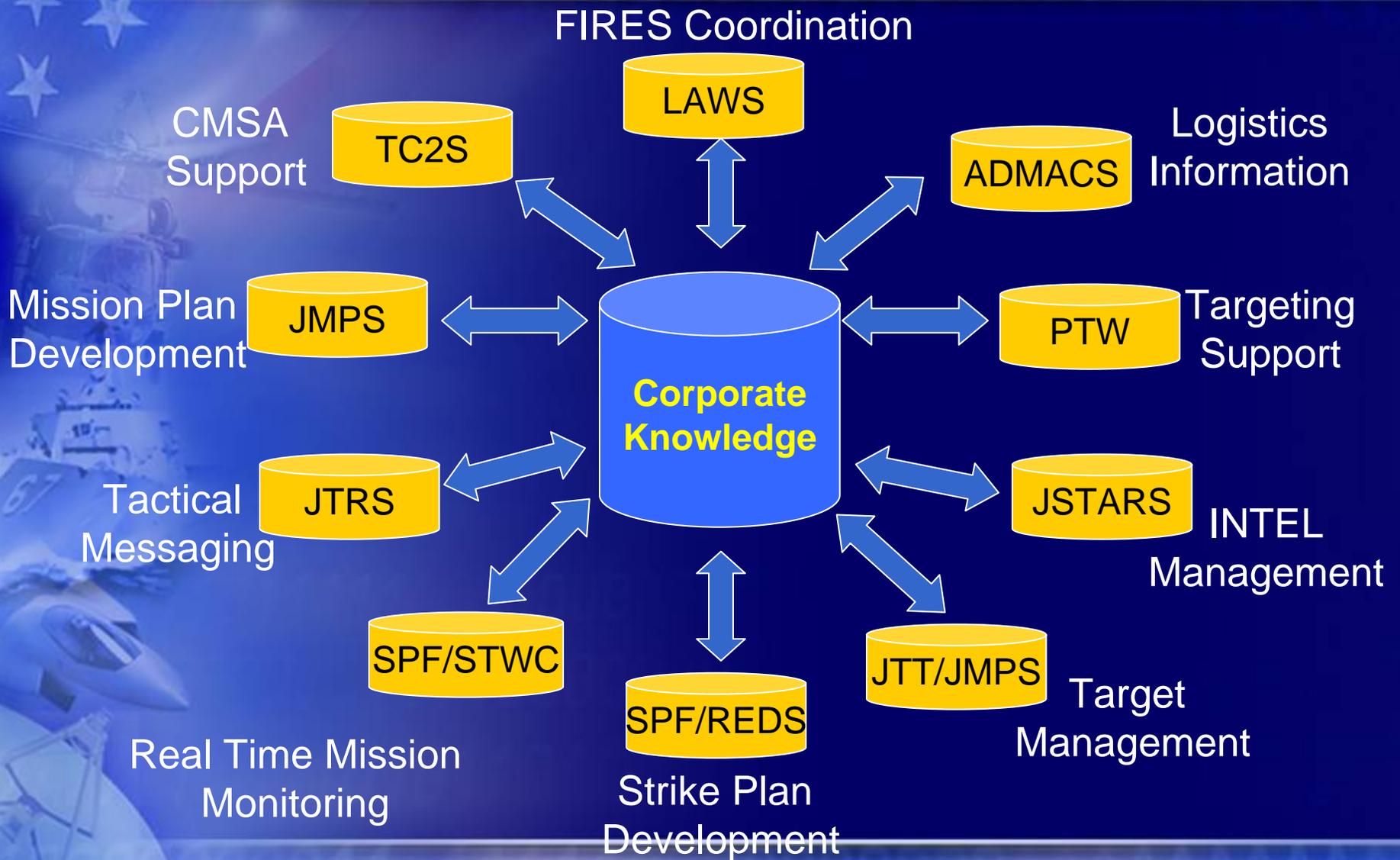
- Managed over **3,000,000** drawings & data
- Reduced average cycle time by **42%**
- Trained **1,500 users** in a matter of days
- Little impact on **existing networks**
- Works with **legacy systems**
- **6 month** implementation period
- **3 year savings of \$4.1M**
 - \$500K investment
 - 10 person implementation team

eTSS Leverages the Power of the Web

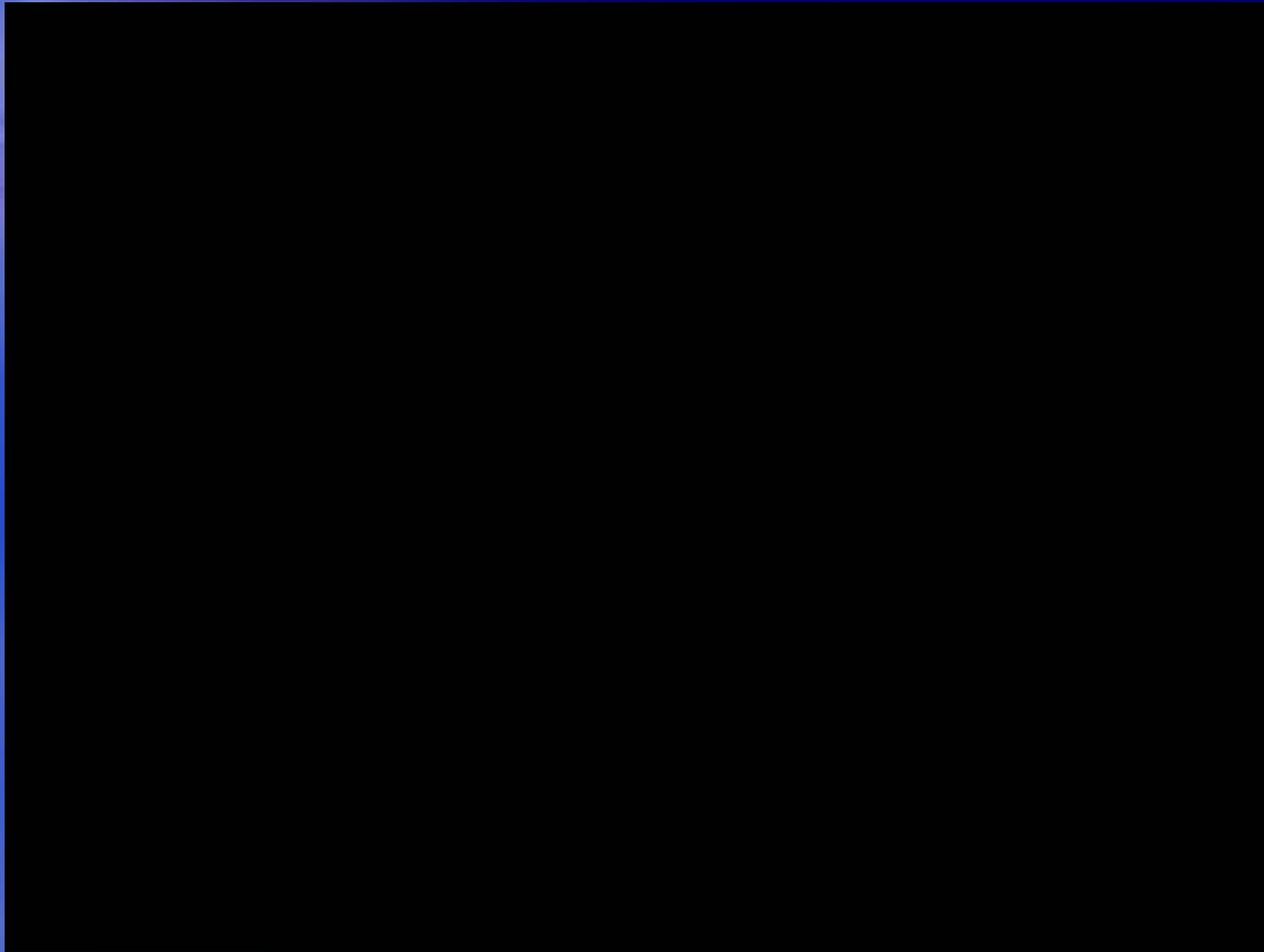
BAE SYSTEMS

- Ensures Time Critical Strike
 - Browser gets “right” information to “right” people at the “right” time
 - Automates the sensor to shooter business process
 - Pushes information using workflow engine
- Leverages legacy systems
 - Browser based, no special client software loaded
 - Works with existing hardware and network infrastructures
 - Operates across heterogeneous systems
- Demonstrates joint fires operation
 - Pathfinder connecting ISR, C2, mission planning, targeting, and strike execution phases
 - Provides distributed target/battlespace management capability
 - Early implementation of DCGS enterprise architectural concepts – significantly reduces DCGS implementation risks

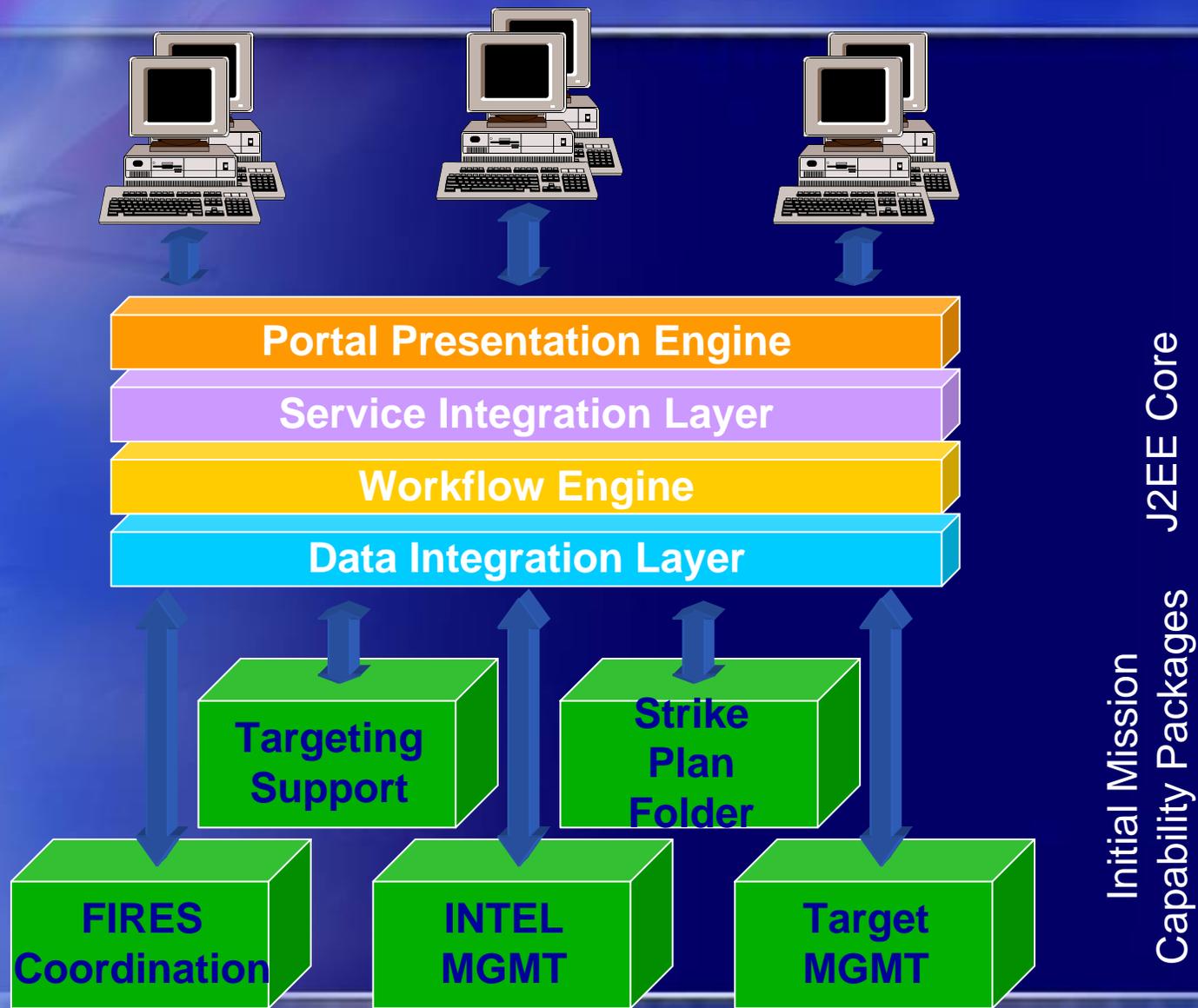
Navy Automation Challenge



Voice of Customer

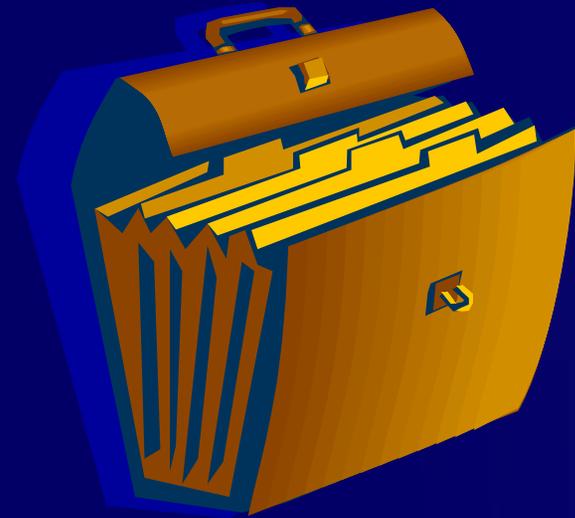


eTSS Current Solution Scope



Wrap-Up

- EAI & BPM solutions work
- Next logical step in Precision Engagement
- Saves time & people
- Next time you see the architecture slide think





BAE SYSTEMS

Questions?