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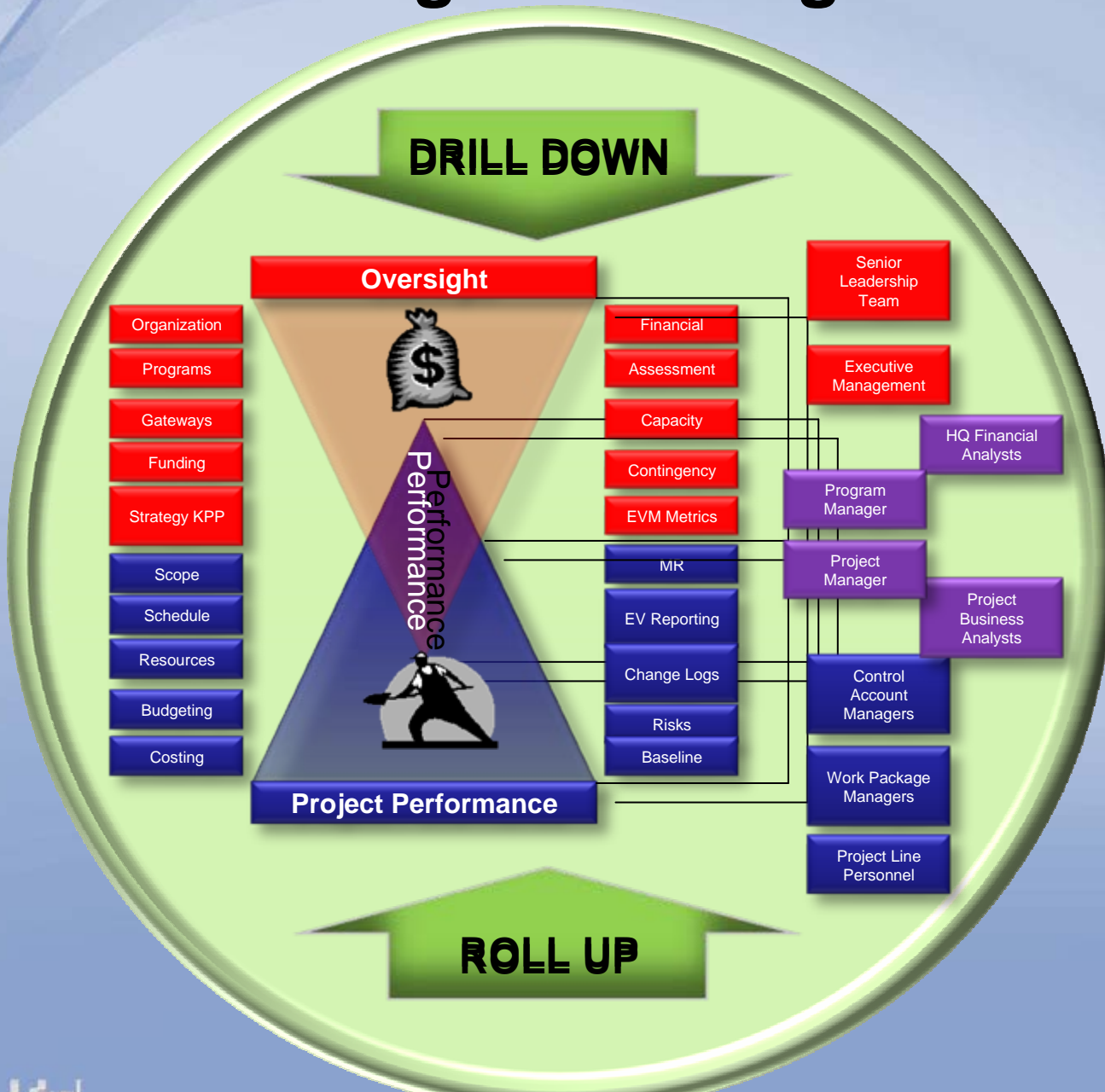
PARS II: Redefining Program Oversight & Assessment at the Department of Energy

- by Simon Dekker
- President & CEO, Dekker, Ltd.
- ISPA/SCEA Joint Annual Conference
- June 7-10, 2011

OVERVIEW: THE ROAD TO PARS II

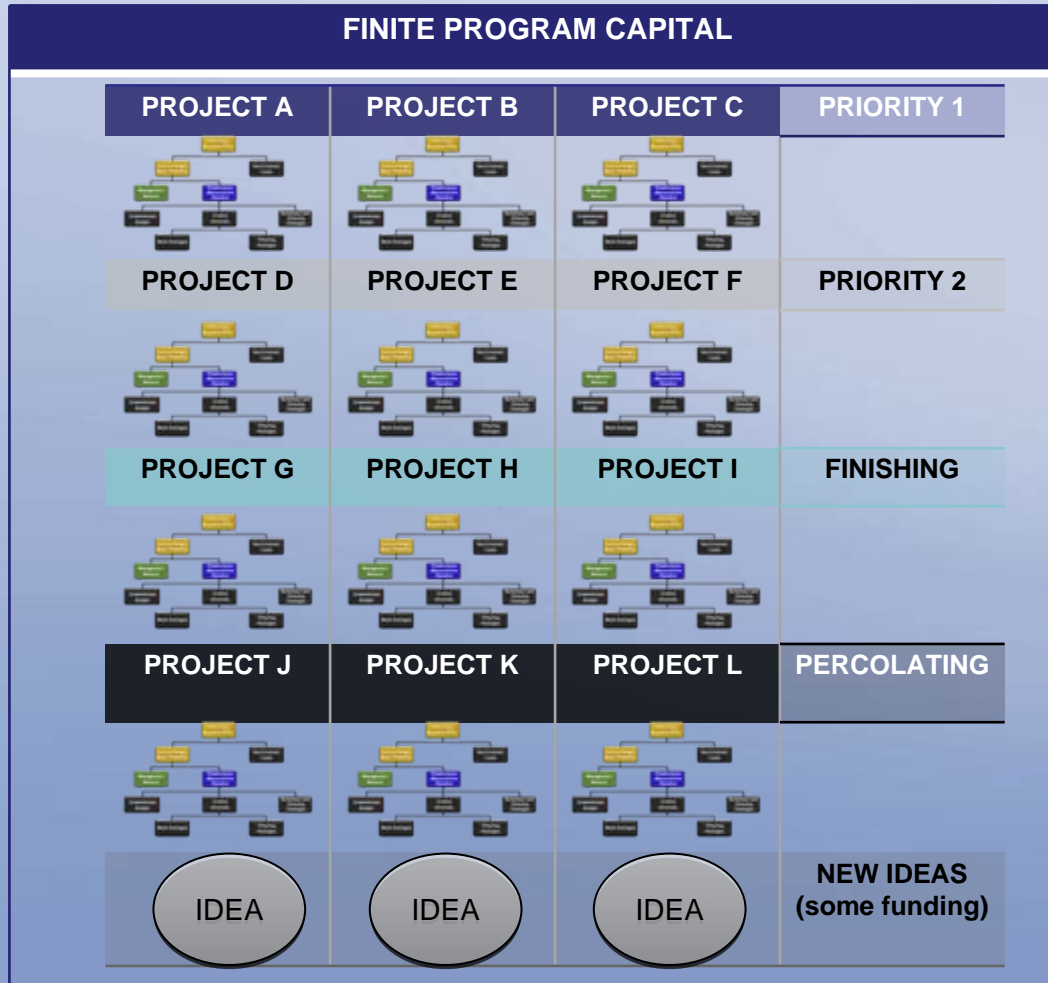
- Program Management
- The Goal
- Project Management Reform Initiative
- PARS & PARS II

Effective Program Management



Program Management

Funding competition within programs



The Goal

- PARS II: Project Assessment and Reporting System, version 2
- THE GOAL: A web-based project reporting tool that:
 - Allows the DOE to strategically assess project performance
 - Shepherd projects through the Critical Decision lifecycle
 - Allows contractors to remotely upload project performance data
- Replaces the existing PARS

Project Management Reform Initiative

- DOE Project Management Reform Initiative
 - Began in 1999
 - Get DOE off the GAO High Risk List
 - Created the original PARS
- Required improved ability to assess up-to-date project performance
- Necessary to consistently apply Earned Value Management protocols across billions of dollars in projects
- Began the process of cultural change necessary for success

PARS & PARS II

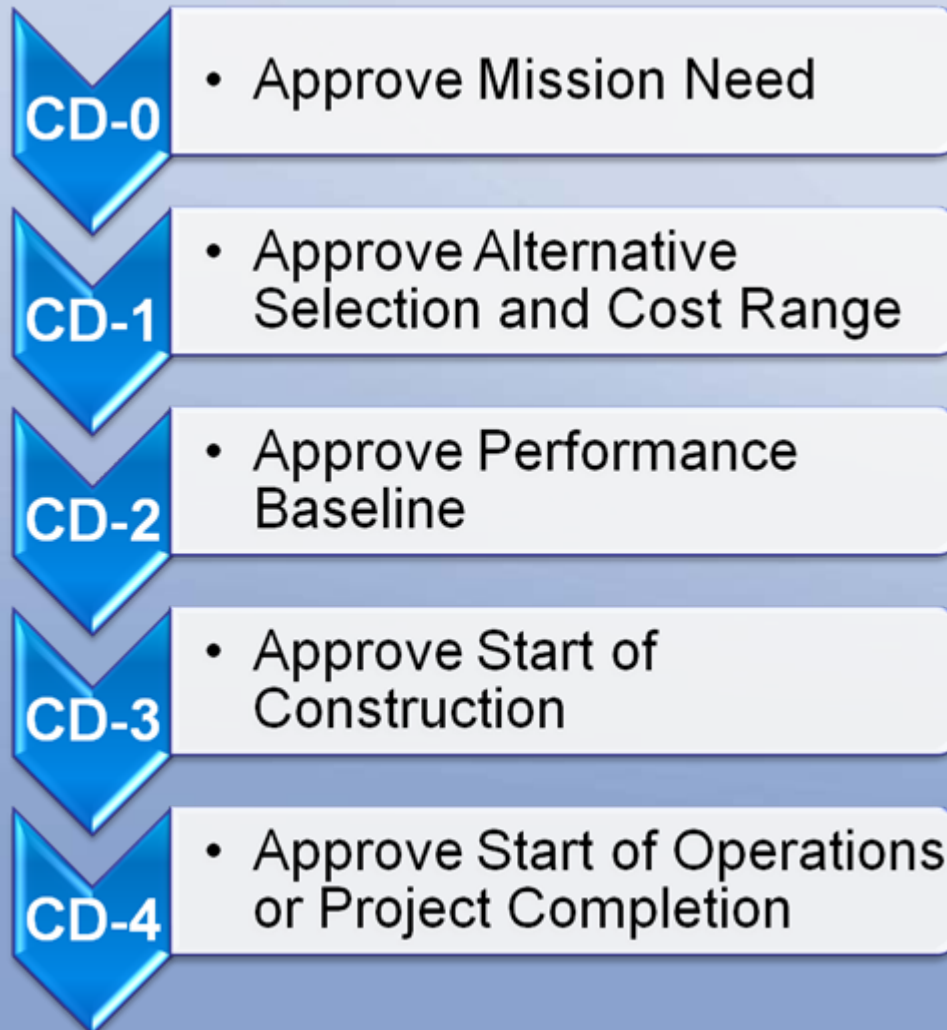
- PARS
 - Web-based
 - Required manual entry of project performance data
 - Time-intensive
 - Redundancy in data entry and occasional data loss
 - Created high level of frustration in users
- Cultural acceptance was low
- DOE recognized need for a new system
- Selected the Dekker PMIS™ as basis for new system – PARS II

TURNING STRATEGY INTO PRACTICE

- Critical Decisions
- Multiple Stakeholders
- Accurate Window into Project Performance
- DOE O 413.3A

Critical Decisions

- The lifecycle of a DOE acquisitions project



Multiple Stakeholders

- Each stakeholder must have the opportunity to make an assessment
 - DOE HQ
 - Office of Engineering and Construction Management (OECM)
 - Senior DOE management
 - Federal Program Directors
 - Project Managers
- Each stakeholder needs different functionality from within the same system

Accurate Window in Project Performance

- Necessary for effective Strategic Management
 - Allocate scarce resources effectively
 - Align project mix to the agency larger goals and mission
- Gives DOE the ability to
 - Review the root cause of problems causing projects to re-baseline
 - Increase the accuracy of systems information
 - Identify estimation and planning shortfalls prior to Critical Decision 2

SYSTEM DESIGN

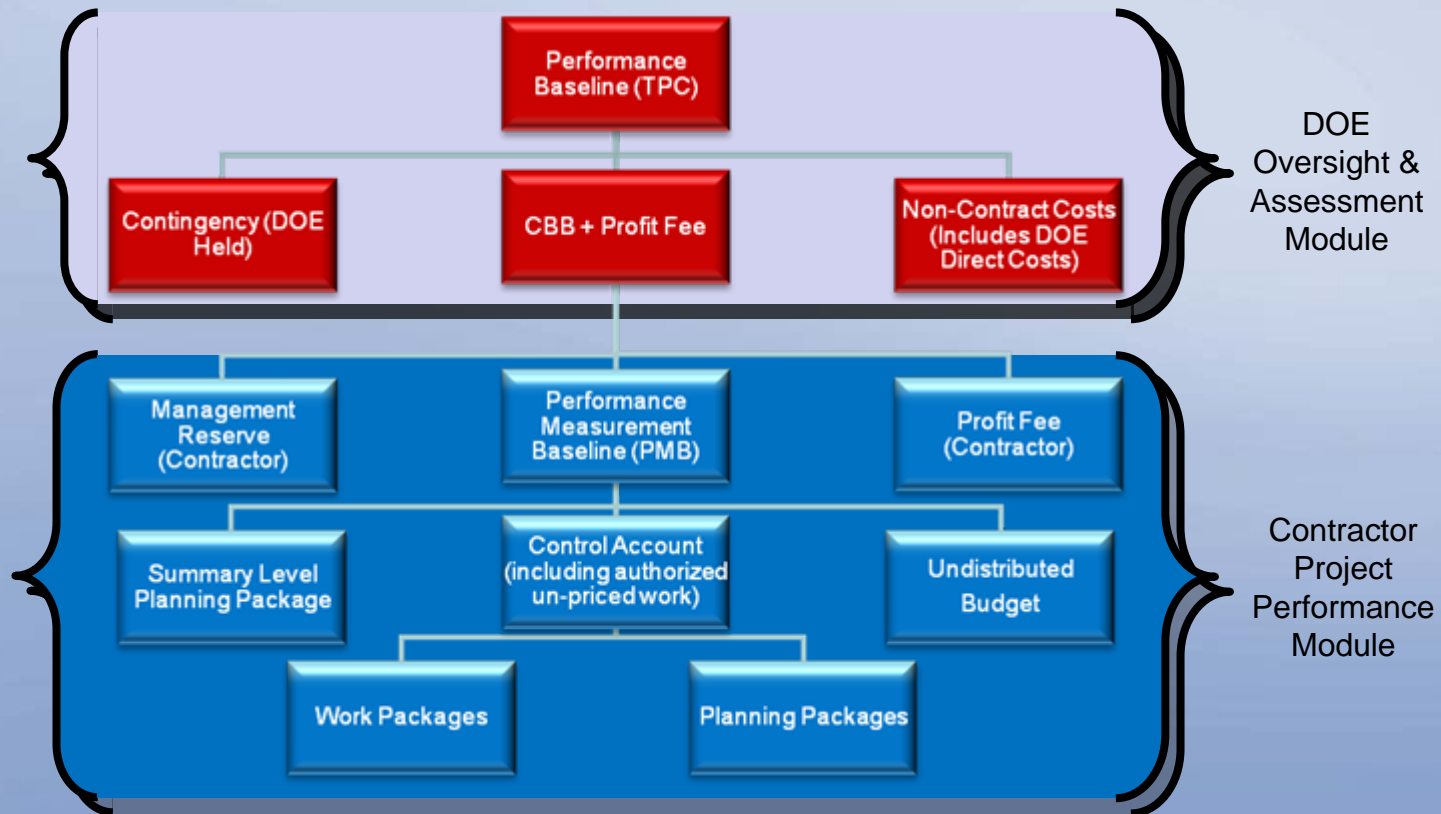
- One System, Many Needs: Core Functionality
- Oversight & Assessment Module
- Contractor Project Performance Module
- All Reports Module

One System, Many Needs

- PARS II Statement of Work (SOW) outlined necessary system functionality
 - Collect contractor performance data via upload
 - Capture EV, schedule, variance, risk, and other data
 - Report down to the control account level
 - Integrate project performance data with project assessments and estimated completion dates from multiple stakeholders
 - Apply data validation rules to ensure compliance
 - Track Performance Baseline and Performance Measurement Baseline
 - Drill-down to view performance data, with standard and custom reporting functionality

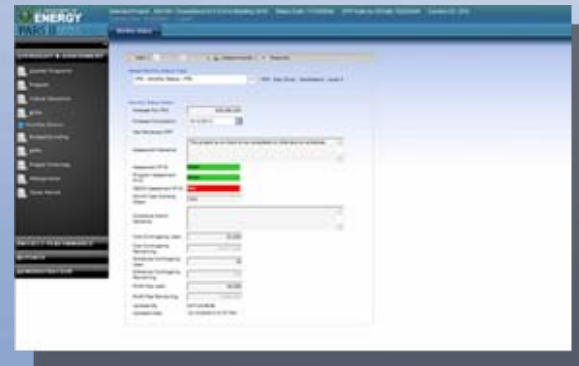
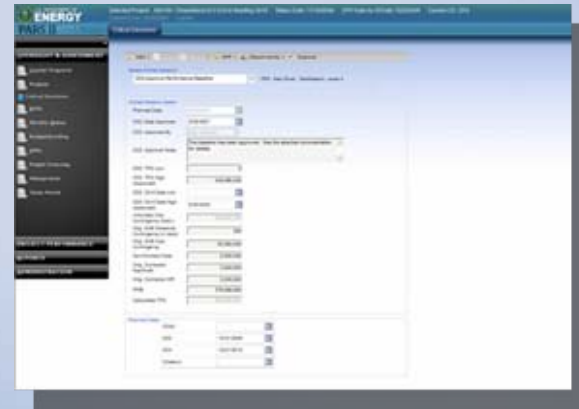
PARS II Core Modules

- PARS II Modules support the DOE Gold Card



Oversight & Assessment Module

- Tracks project data by Critical Decisions
- Baseline Change Control (BCPs)
- Key Performance Parameters (KPPs)
- Budget & Funding
- Monthly Status and Period Management
- Key Stakeholder Assessments



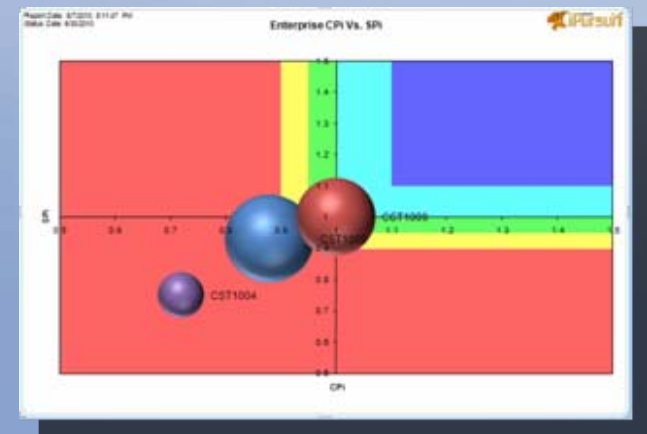
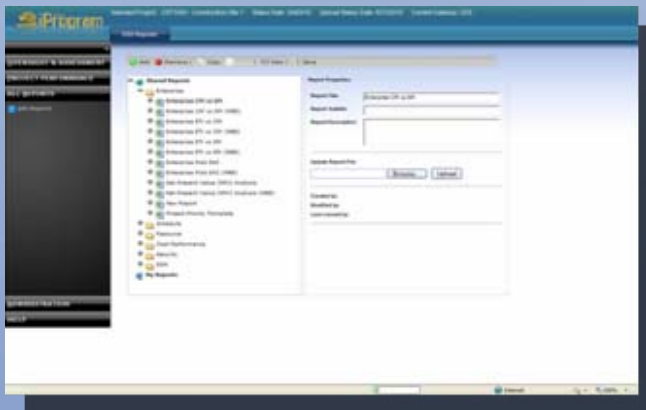
Contractor Project Performance Module



- Contractors Upload Data Here
- Drilldown Dashboards
 - CPR
 - Schedule
 - Timephased
- Runs reports directly from the dashboards

All Reports Module

- Relies Dekker iPursuit[®] component of the Dekker PMIS[™]
 - Microsoft Excel-based
 - Uses Dekker Sort, Select, & Summarize engine
- Over 100 built-in reports
- Ad hoc and custom reporting functionality
- Includes Earned Value (CPR 1-5) reports



PARS II Implementation

- From Pilot Sites to Full Deployment
- Embracing Cultural Change

From Pilot Sites to Full Deployment

- PARS II Site Project Team
 - Included representative from DOE, Dekker, and EES (Energy Enterprise Solutions)
 - Began visiting contractor sites in December, 2008
 - Discovery Period
- Field Testing at two pilot sites
 - Waste Treatment Plant
 - Sodium Bearing Waste Disposition Facility
 - Expanded to include two more pilot sites
- Became the complex-wide DOE System of Record on October 1, 2010

Embracing Cultural Change

- DOE issued updated DOE O 413.3B
 - Included PARS II in acquisitions process
 - Established reporting guidelines and thresholds
- PARS II effort focused on creating the most reliable pathway for project performance data to travel
- Provided an easy-to-navigate interface designed with the end-user in mind
- Early results are extremely positive

Q & A