

#### Project Controls Expo – 17<sup>th</sup> Nov 2017 Emirates Stadium, London

**Integrating Project & Portfolio Management** 



#### **About the Speaker**

#### Name: Lateef Daly

#### **Position: Director of Europe & Middle East Operations**

Organization: ARES PRISM

**20+** Year of Project Controls & Earned Value Expertise

- Finance, Estimating, Cost Engineering, Change Mgmt, System Integration
- □ Industries:
  - Pharmaceuticals, Defence, Infrastructure, Rail, Nuclear, O&G
- □ Major Project Experience:
  - Crossrail, TFL, High Speed 2, Horizon Nuclear, Expo 2020, Ronald Reagan Ballistic Missile Défense Test Site



### **About the Topic**

#### **Outline:**

- ARES PRISM Background
- Project Lifecyle Management
- Enterprise Portfolio Management
- Common Coding
- Cost Schedule Integration
- Utilizing Various Progress Methods
- Integration Engine Client Customizable Integrations
- Benefits of a Data Warehouse
- Data Integrity & Validation
- Reporting



### **ARES PRISM Background**

# ARES is a full-service project controls solution provider



- ➤ ARES formed in 1992
- First PRISM US Client in 1995
- First UK client in 2009 (Sellafield)
- ▶ UK Entity opened in 2010 to support Crossrail
- Multiple EMEA clients today with strong Repeat Business
- Local Support Capability backed by the Central PRISM Team
- Local Services for Project Controls, Estimating, Scheduling and Contract Administration



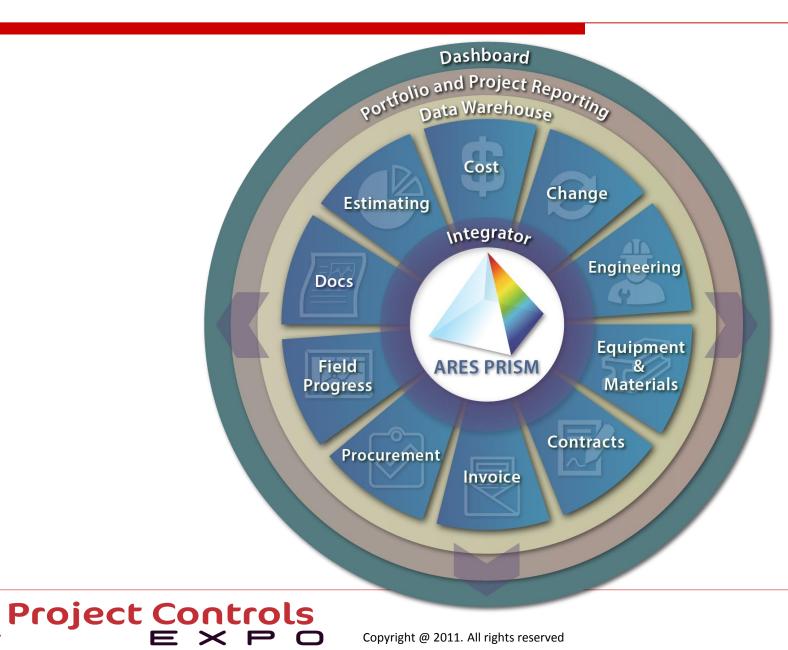
### **Global Clients - Common Best Practices**



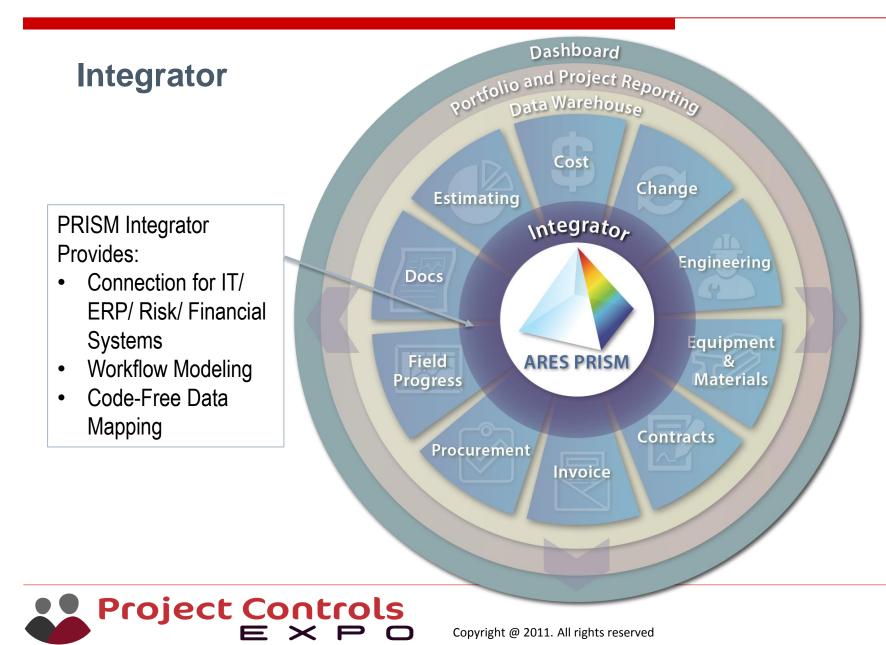


## Project Controls











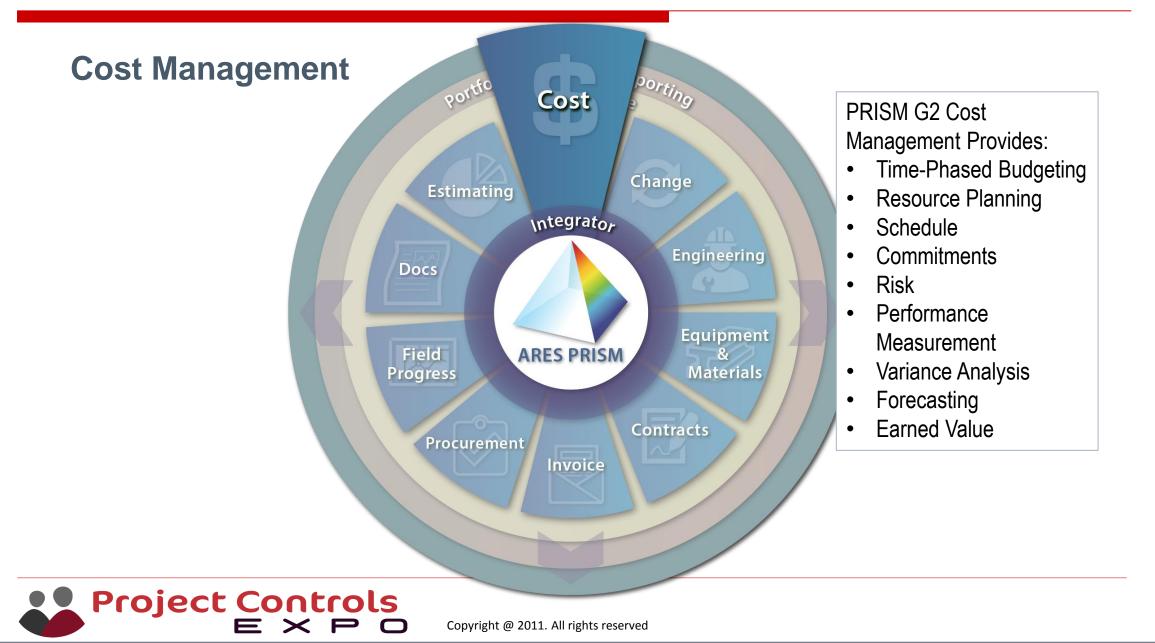
Estimating PRISM Estimating Provides:

- 2D/3D/GIS/BIM Takeoff
- Centralized Cost Estimates
- Quantity Survey
- Historical Data











Change

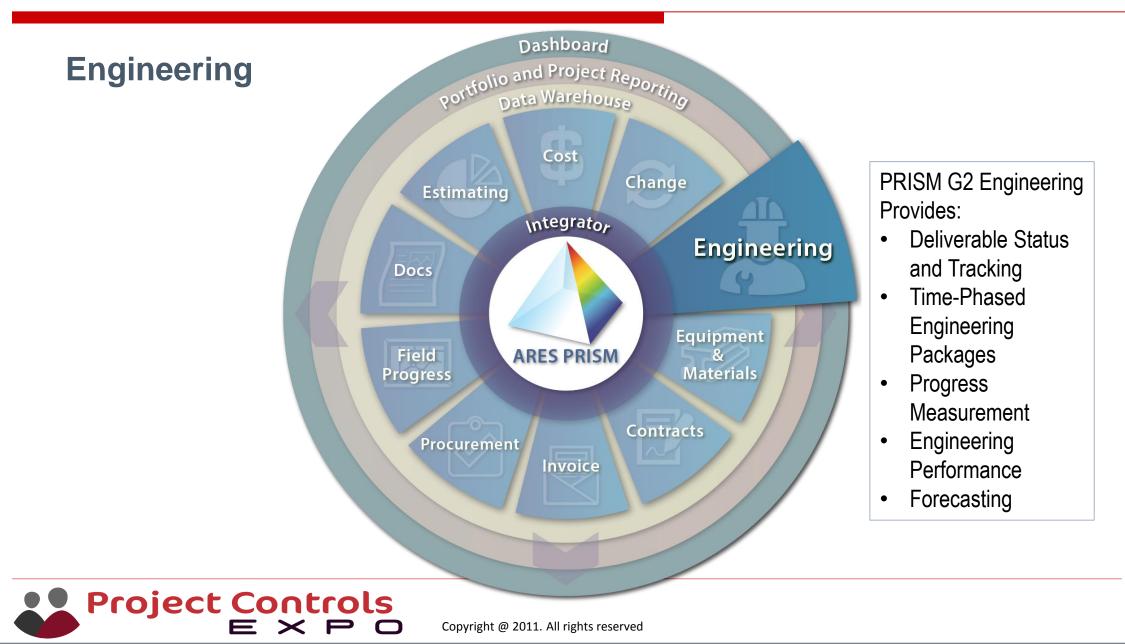


PRISM G2 Change Management Provides:

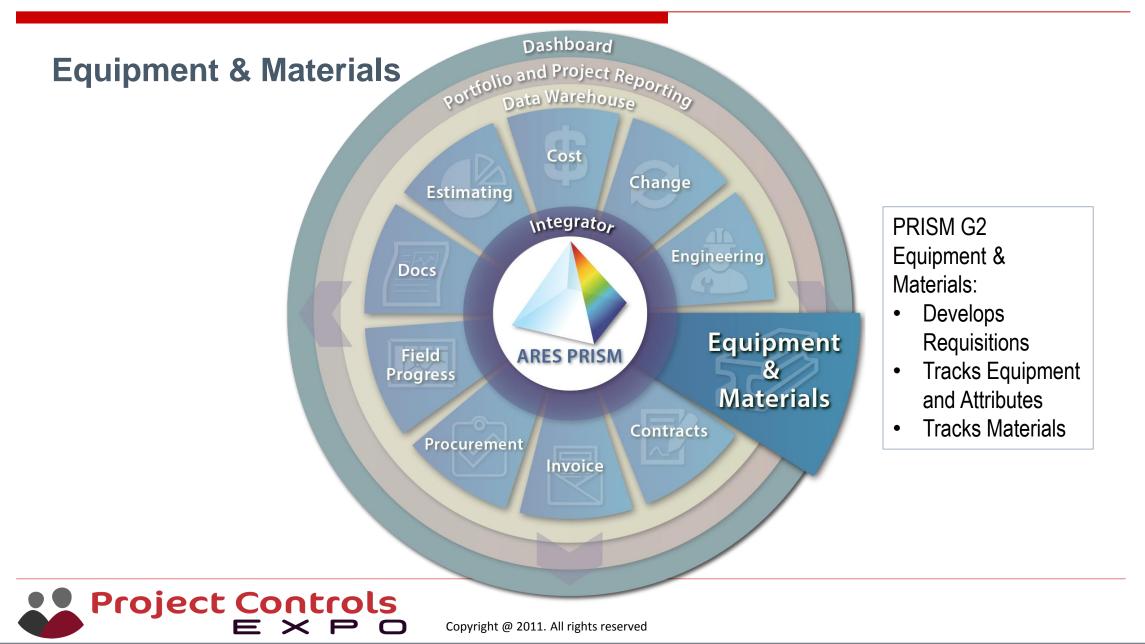
- Defined Approvers
  and Reviewers
- Tracks Change
  Requests
- Manages Change Workflows





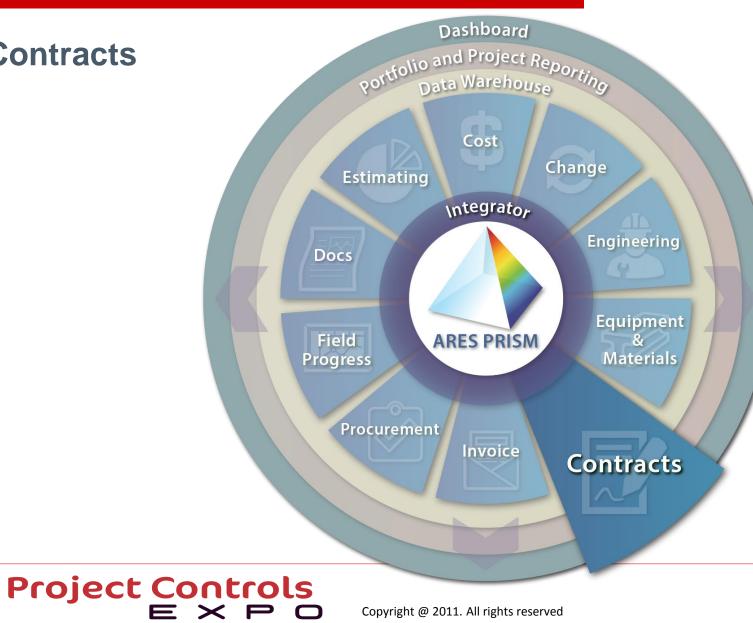








**Contracts** 

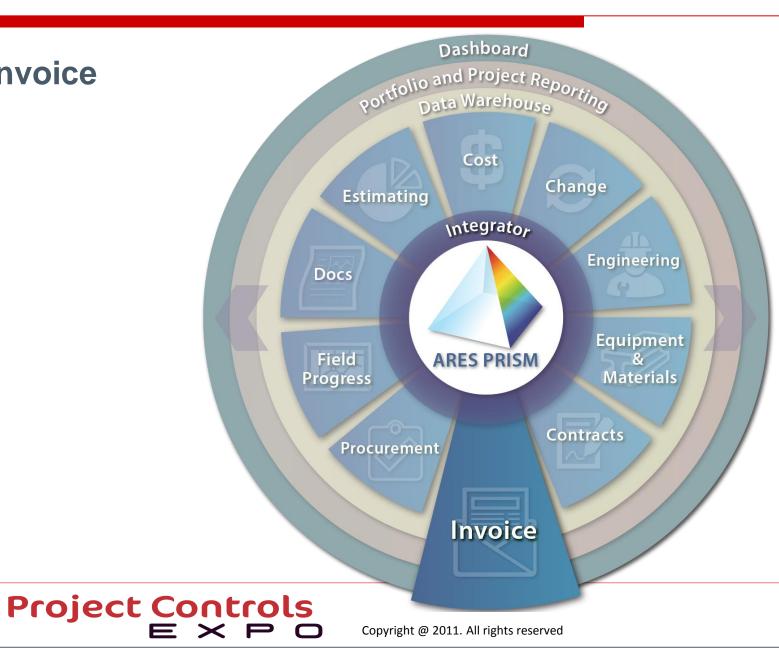


PRISM G2 Contracts Administration Provides:

- Contract Bids ٠
- **Bid Analysis** ٠
- Award Contracts •
- Vendor ٠
- Evaluations
- Contract ٠ Scheduling
- Punch List ٠ Tracking
- **Contract Changes** ٠



Invoice



**PRISM G2 Invoice** Management:

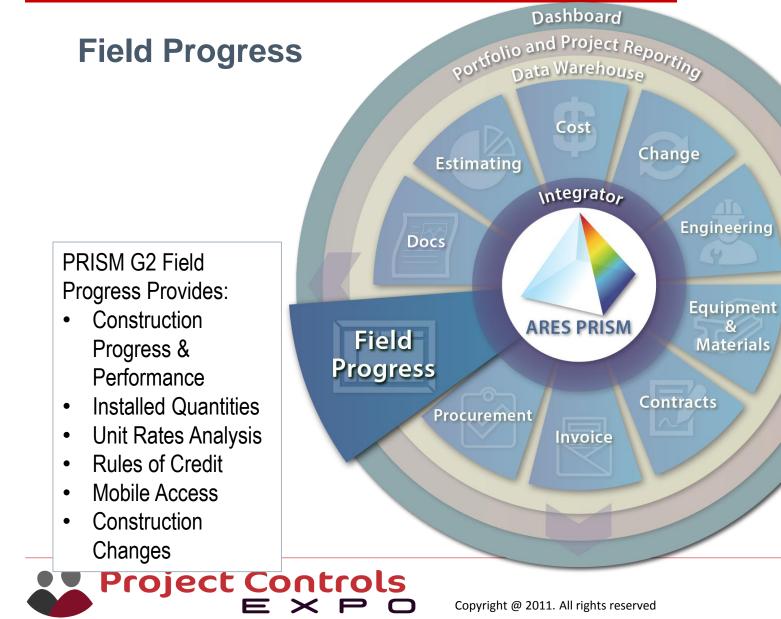
- **Tracks Invoices** • From Suppliers
- **Tracks Payments** ٠
- Traces Back to ٠ Purchase Orders and Contracts



Dashboard **Procurement** Portfolio and Project Reporting Data Warehouse Cost Change Estimating Integrator Engineering Docs Equipment PRISM G2 Field **ARES PRISM** Materials Progress **Procurement Provides:** Requisitions & ٠ Contracts Purchase Orders Invoice 0 Procurement • Procurement Scheduling Shipment • Expediting, Supplier ntrols **Evaluations** XP

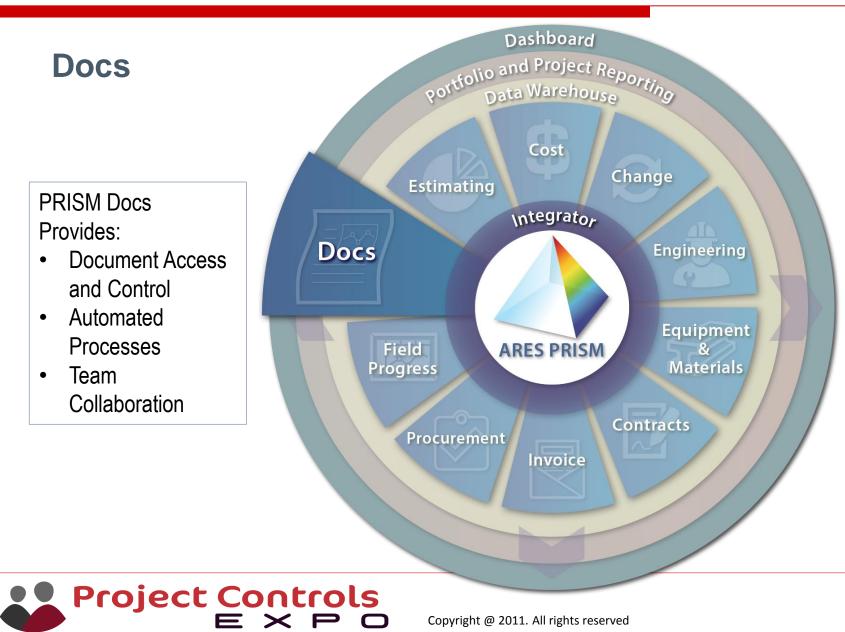
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PRISM



PRISM Dashboard, Reporting & Data Warehouse Provides:

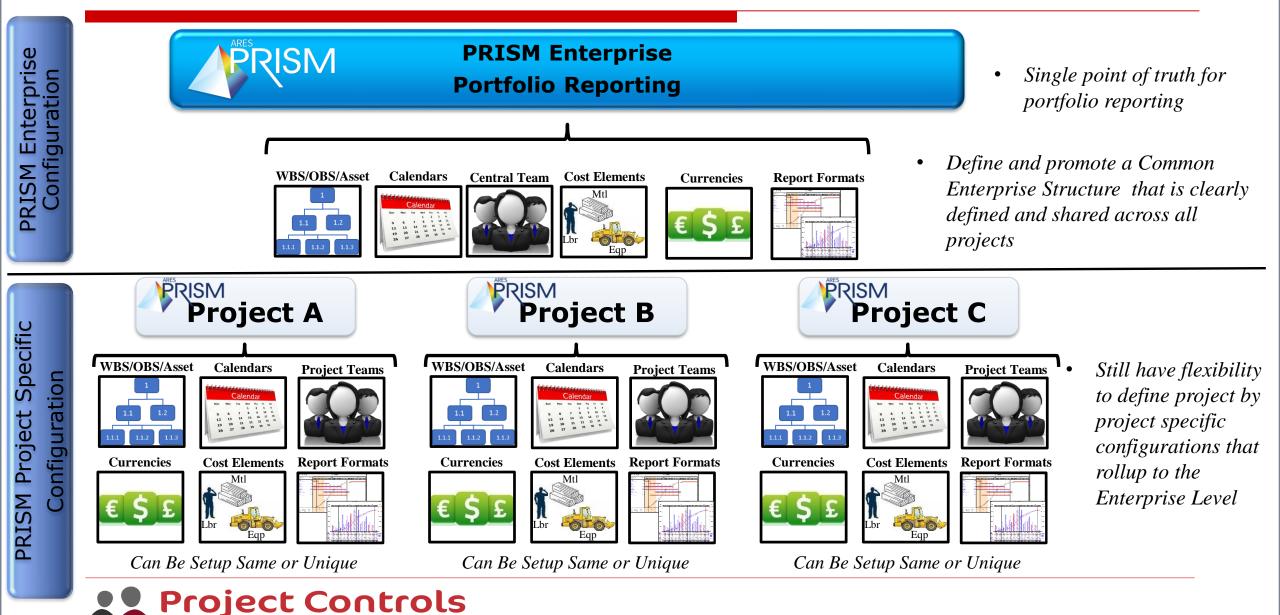
- Executive Insight
- Visualized Data
- Project
  Performance
- Forecasts
- Embedded KPIs



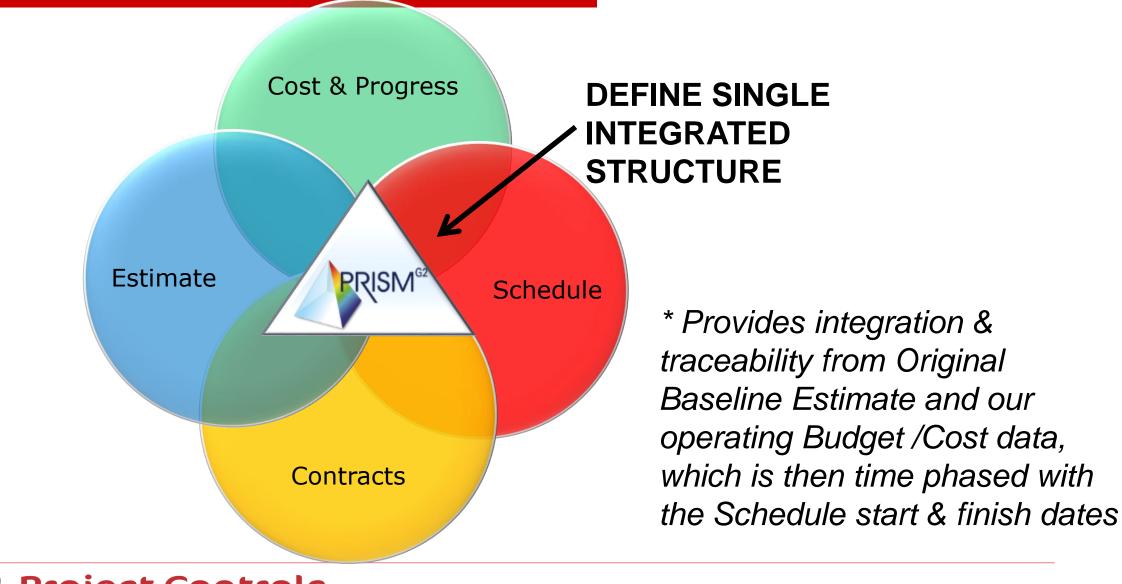


### **Enterprise Portfolio Management**



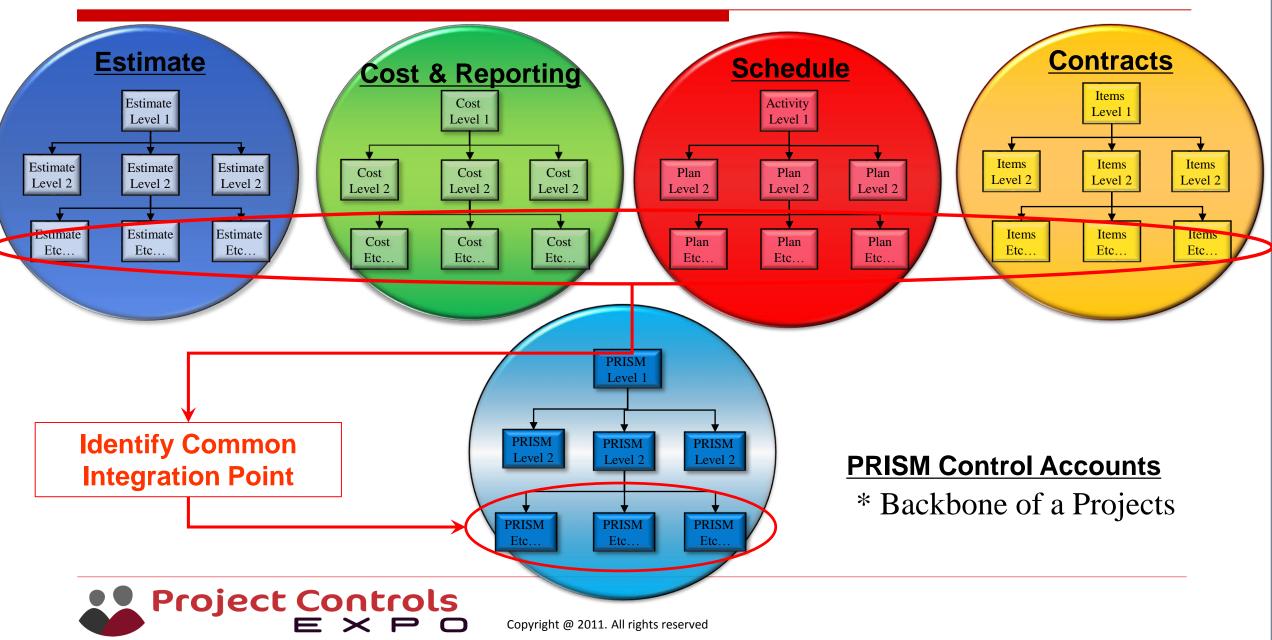


### Integrated Coding Structure

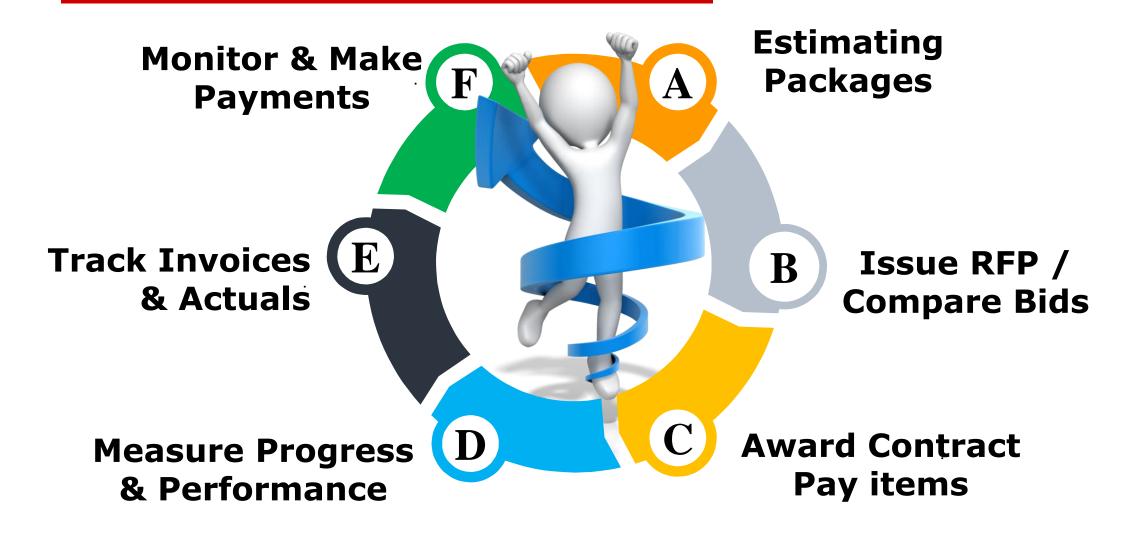




### **Creation of Integrated Coding Structure**



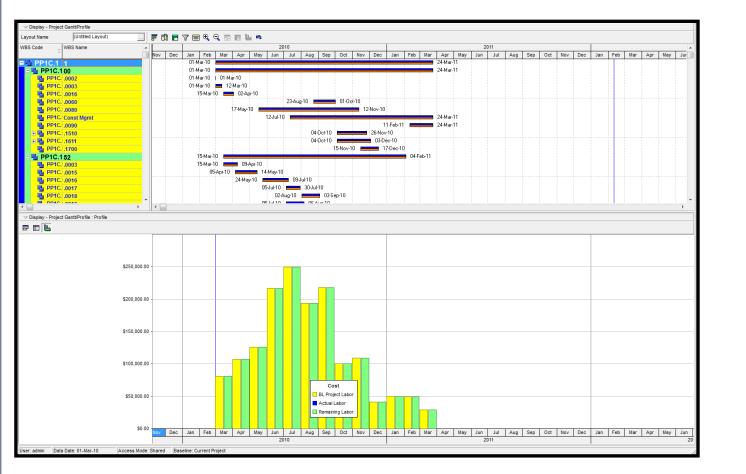
#### Promote Common Coding at Projects & Portfolio Level





### Eliminate Pain Of Cost Loaded Schedules

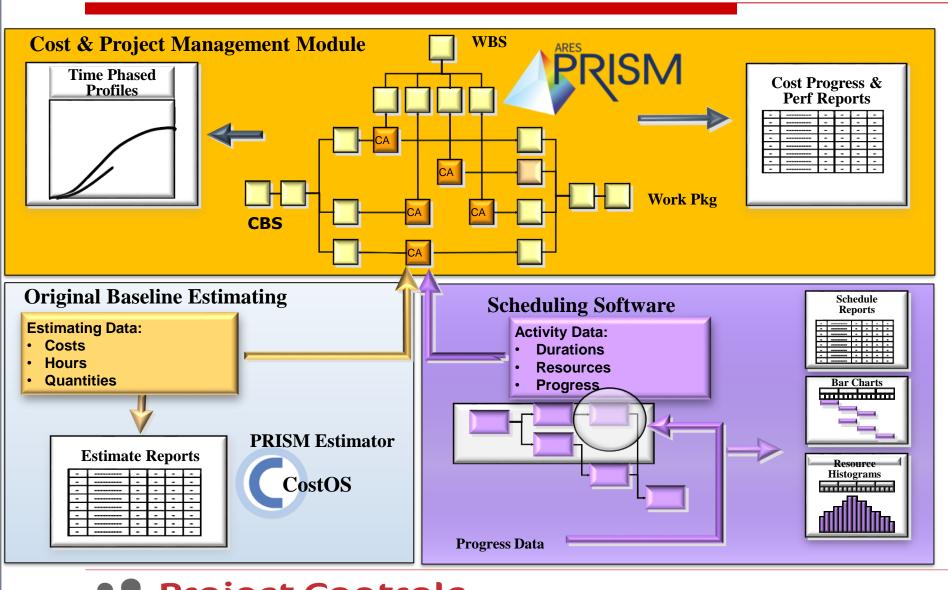




- Level of granularity between estimate & plan not always clear & mappable
- Dates changes in duration can skew historical & to date performance
- Difficult to manage cost changes
- Difficult to manage multiple budgets
- Time consuming to setup
  & difficult to maintain



### **PRISM Cost Schedule Integration**



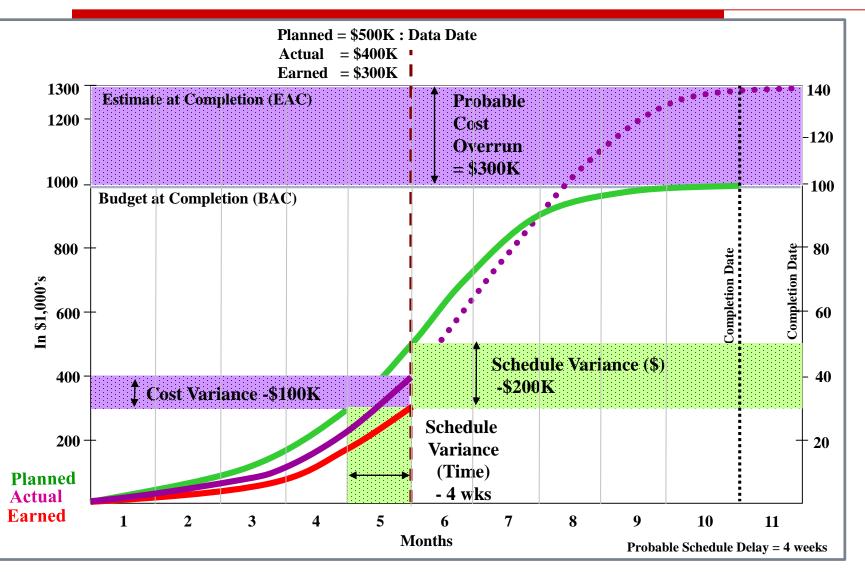
- Use the right tool for the right job
- True Integration of disciplines
- Clear Traceability
  between systems
- Eliminates Need to Cost Load Schedule
- Single point of Truth



### **Integrated Performance Measurement**

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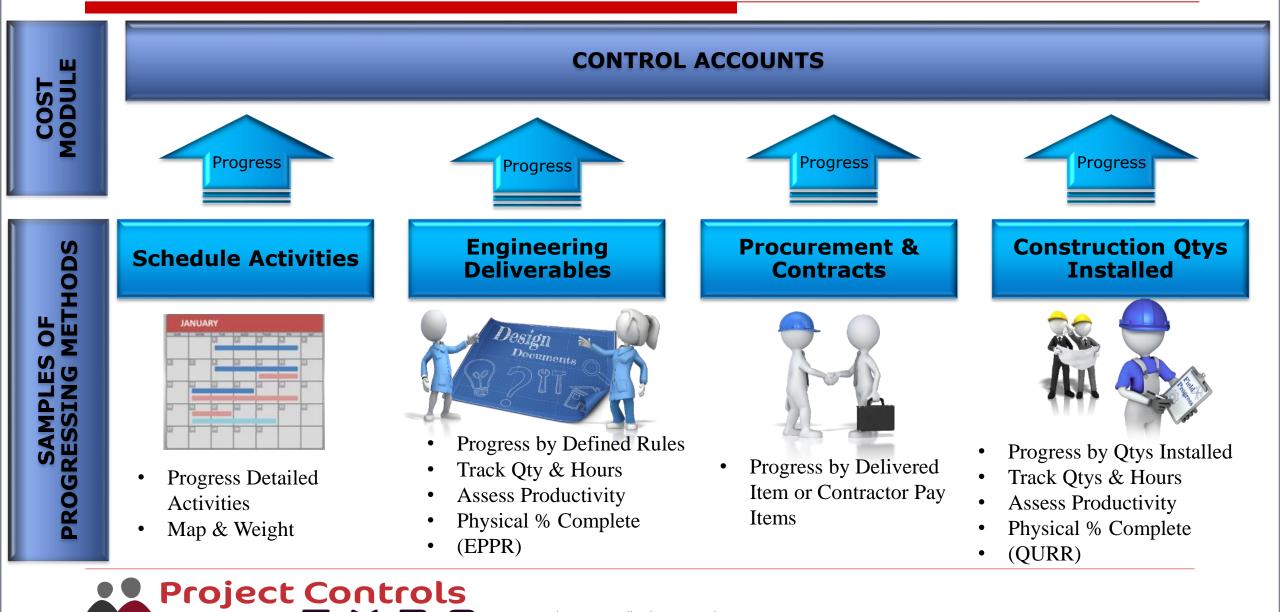
**Project Controls** 

#### All generated from PRISM

- Project Time Phased Cost Plan
- To Date Actuals Cost of Work
- To Date Earned Value
- To Date Schedule Variance
- To Date Cost Variance
- Estimate At Complete
- Variance At Complete

### **Utilize Variety of Progressing Methods**



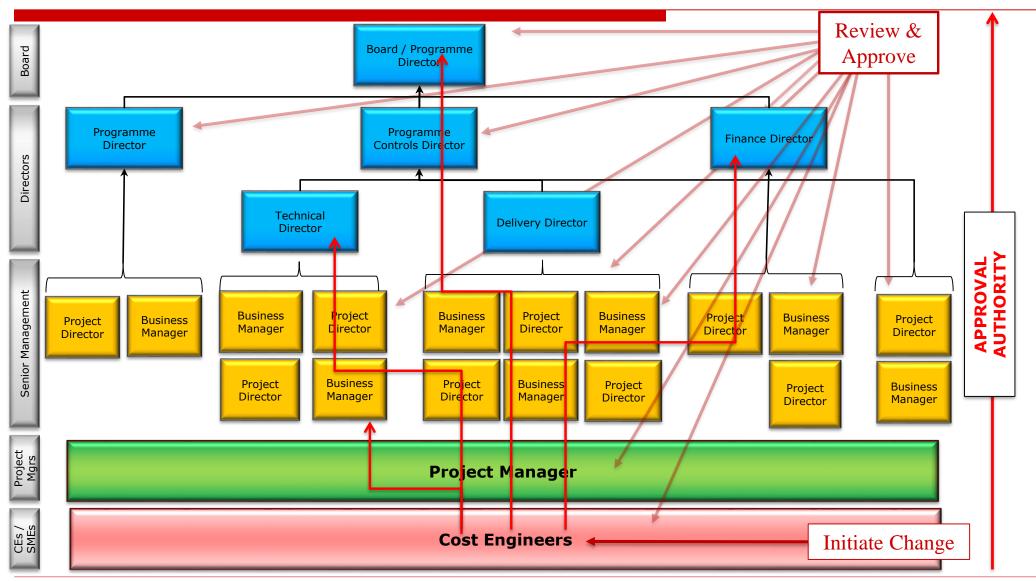


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 $\times P$ 

### Integrated Change Management

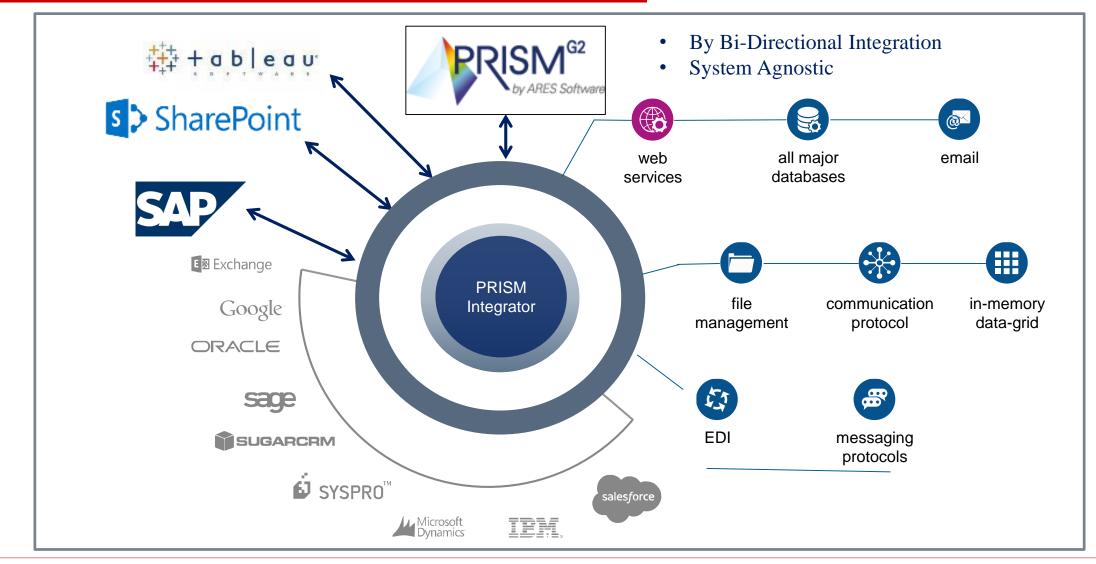




### Project Controls

### **PRISM Integration Engine**

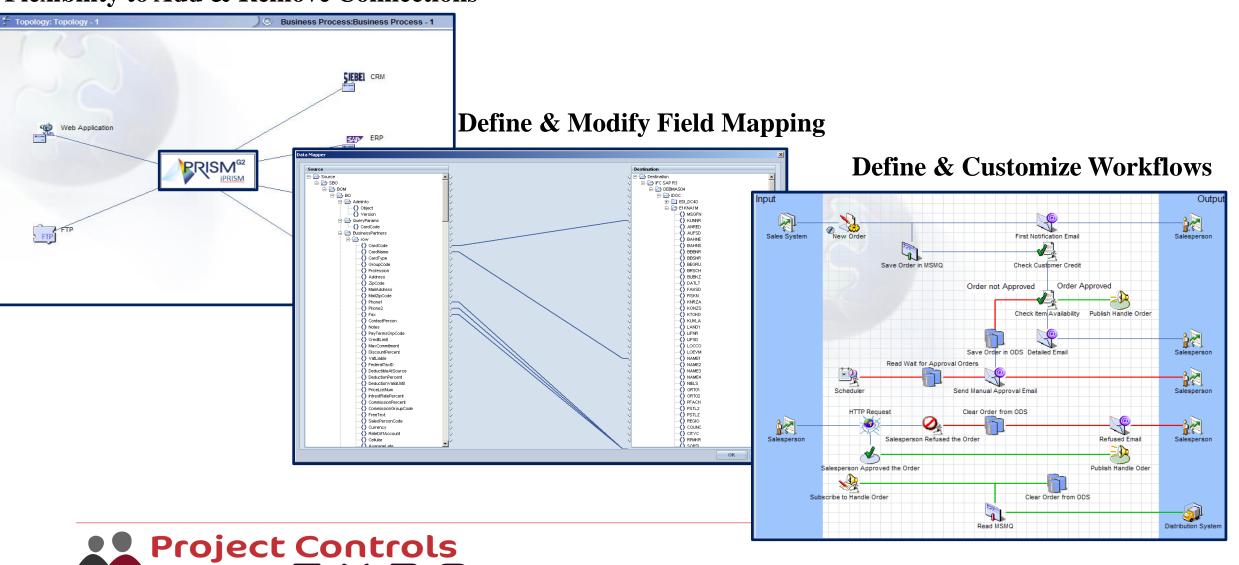




### Project Controls

### PRISM Integration Engine – Designer Interface

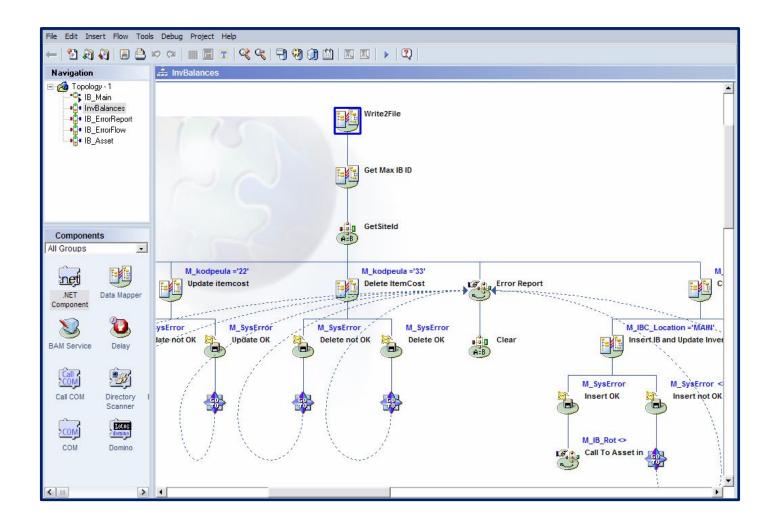
#### Flexibility to Add & Remove Connections



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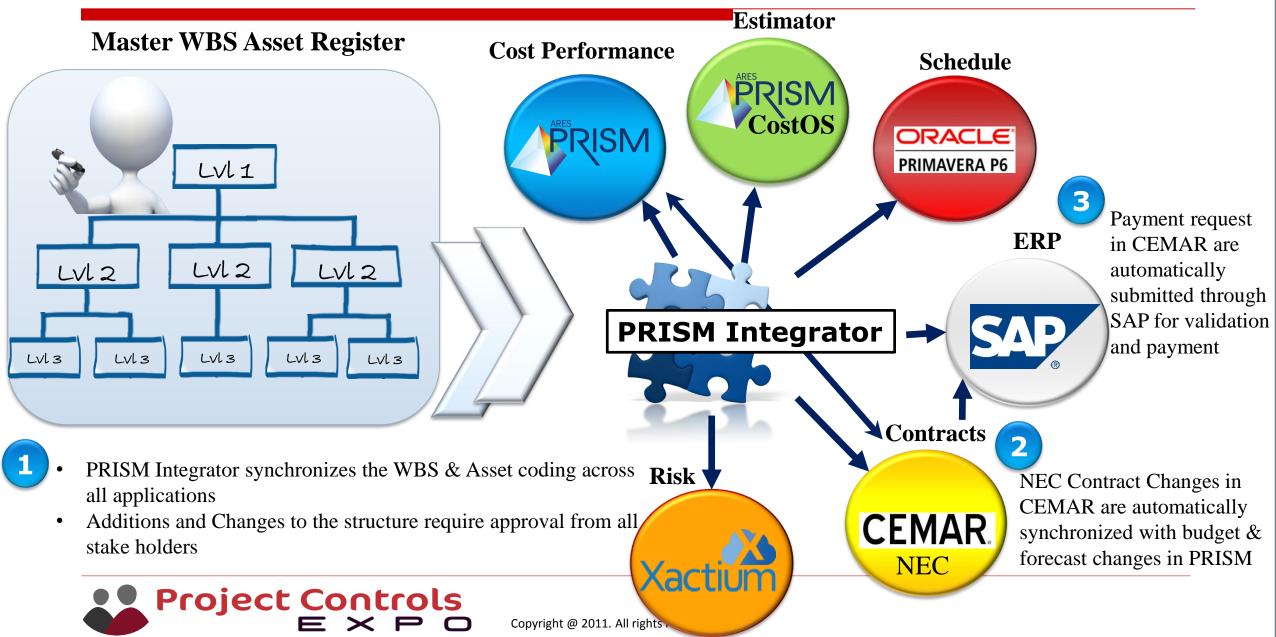
### PRISM Integration Engine – Workflow Logic





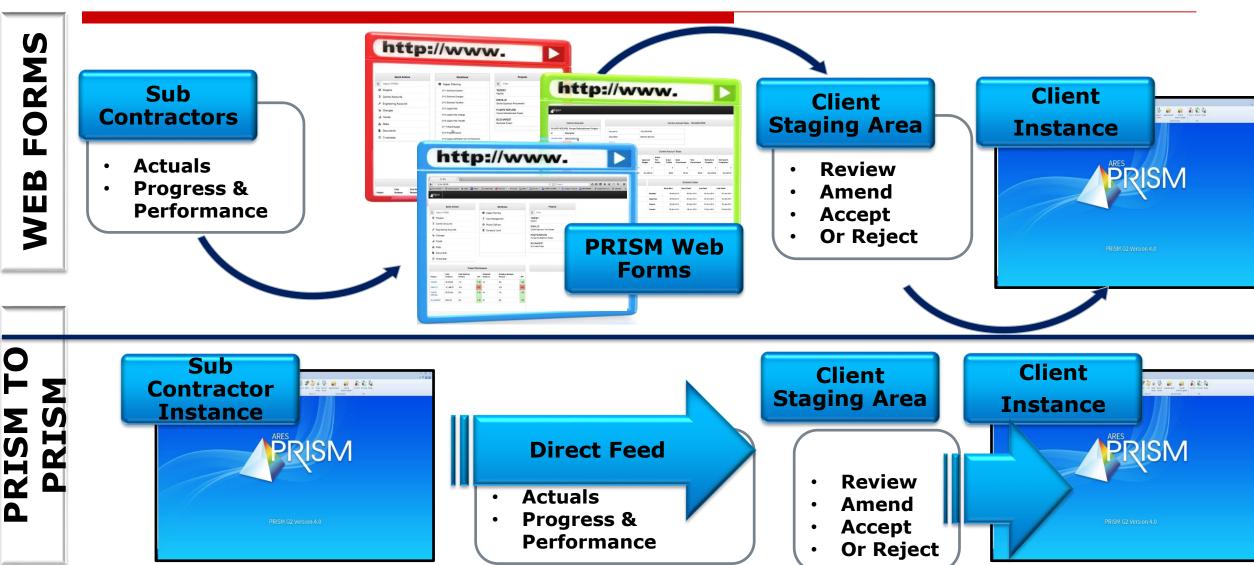


### Synchronized WBS, Integration & Automation



### Sub Contractor & Client Integration

RISM





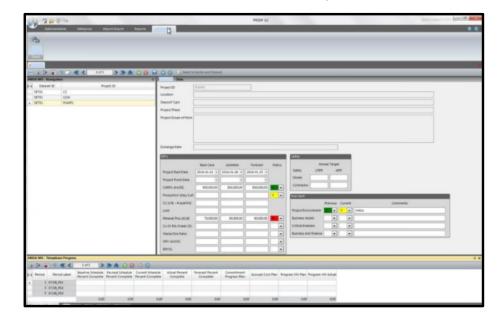
#### PRISM Data Warehouse



#### **Data Warehouse & Snapshots**

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			Britarprise Groups				Country			
							Group Title	Title Should Number		
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			- E	4647-15	Gas Processing Plat			4		
			10	\$678-15	Hydrotreater Project			8		
					Fluid Catalytic Cracker Project			1		
			7890-15 Potable Water Purification Project					\$ .		
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#### **Custom Data Entry Forms**

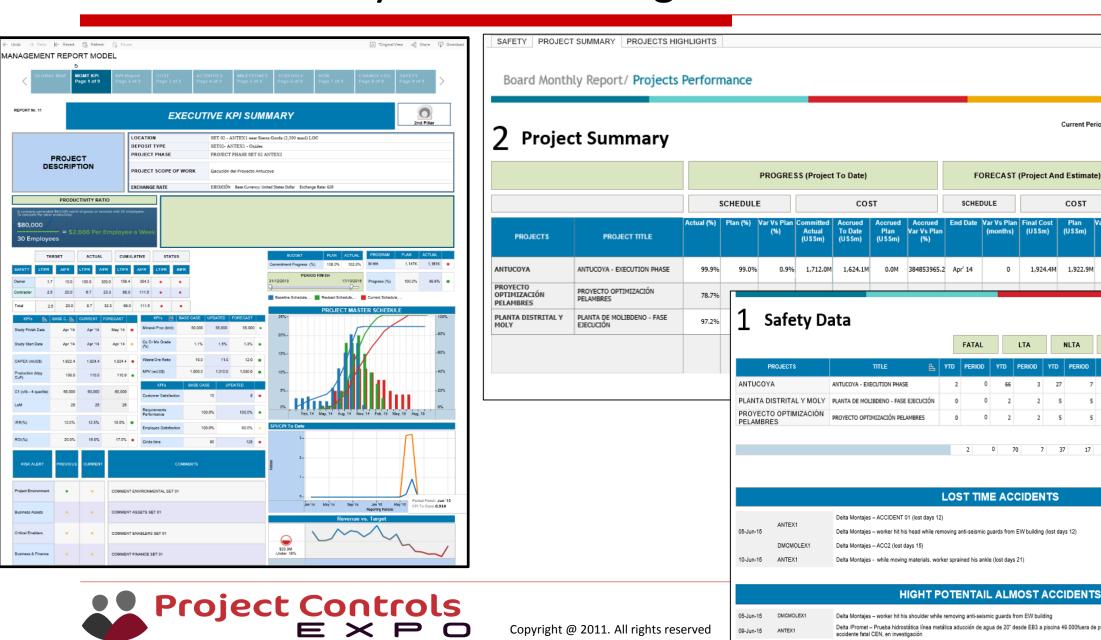




### **Quickly Produce Integrated Dashboards**

05-Jun-15

09-Jun-15



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REPORT Nr. 1

\$80,000

C1 (ofb - 4 oue

**Critical Enablers** 

Jusiness & Finance

30 Employee

TARGET

DMCMOLEX: Delta Montajes - worker hit his shoulder while removing anti-seismic guards from EW building Delta /Promet - Prueba hidrostática línea metálica aducción de agua de 20" desde EB3 a piscina 49.000 fuera de procedimiento y horario. Características del incidente similares al ANTEX accidente fatal CEN, en investigación

Current Period: jun '15

Var Vs Plan

(%)

0.1%

LTIFR (acc/MMh)

YTD

68.0 71.0

23.3 0.0 18.66 -100% 0.0 74.6 -100

181.8 181.8

5

17

PREV

60.32

0.00

Current Period: jun '15

LTISR (days/MMh)

263.5

0.0

-82%

DIFF YTD PREV DIFF

18% 48.4

0% 181.8

59.2 74.4 43.45 71% 54.2 187.0 -71%

COST

Plan

(USSm)

1,924.4M 1,922.9M

NLTA

27

5

2

2

7 37

(USSm)

0

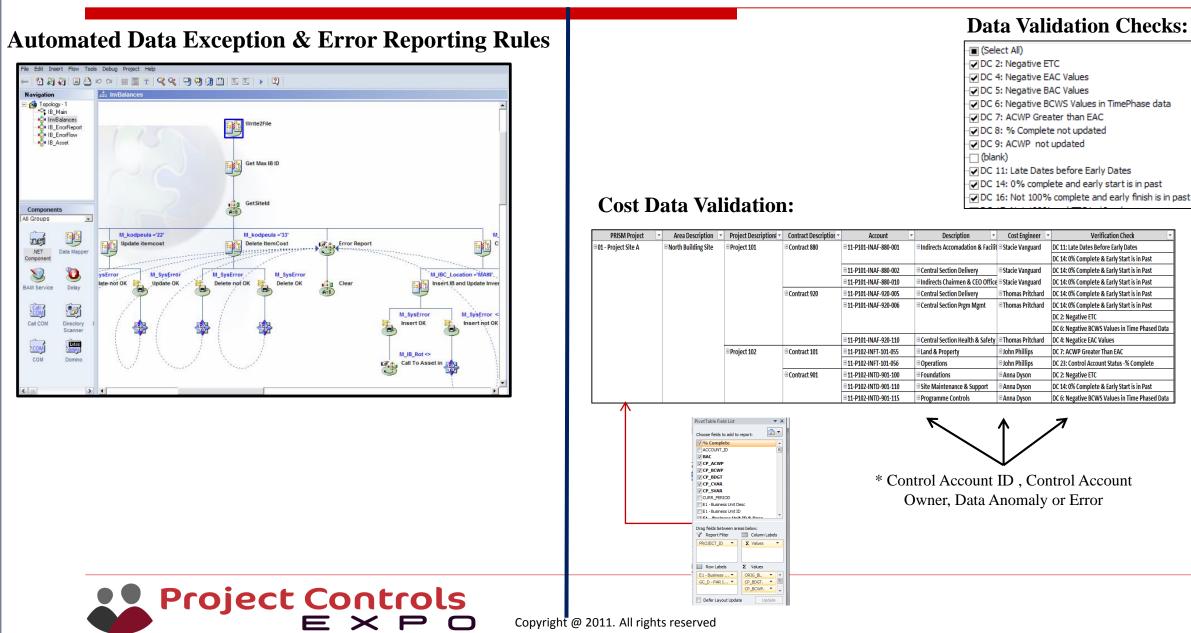
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70

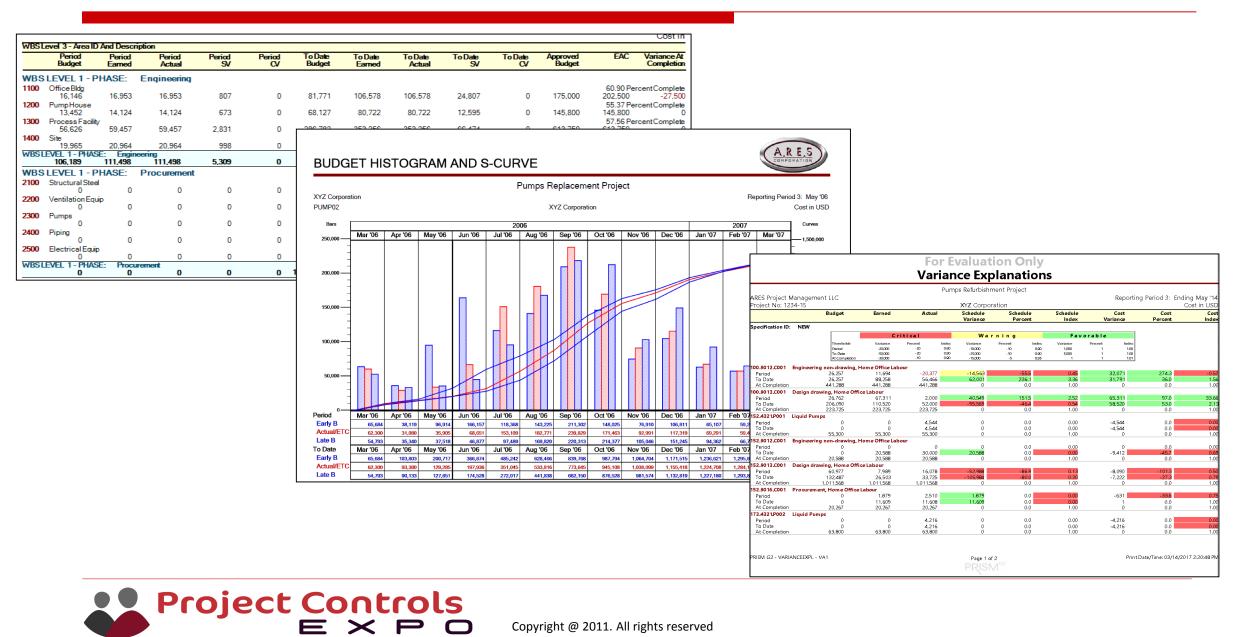
LTA

### Ensuring Data Integrity with Validation Checks

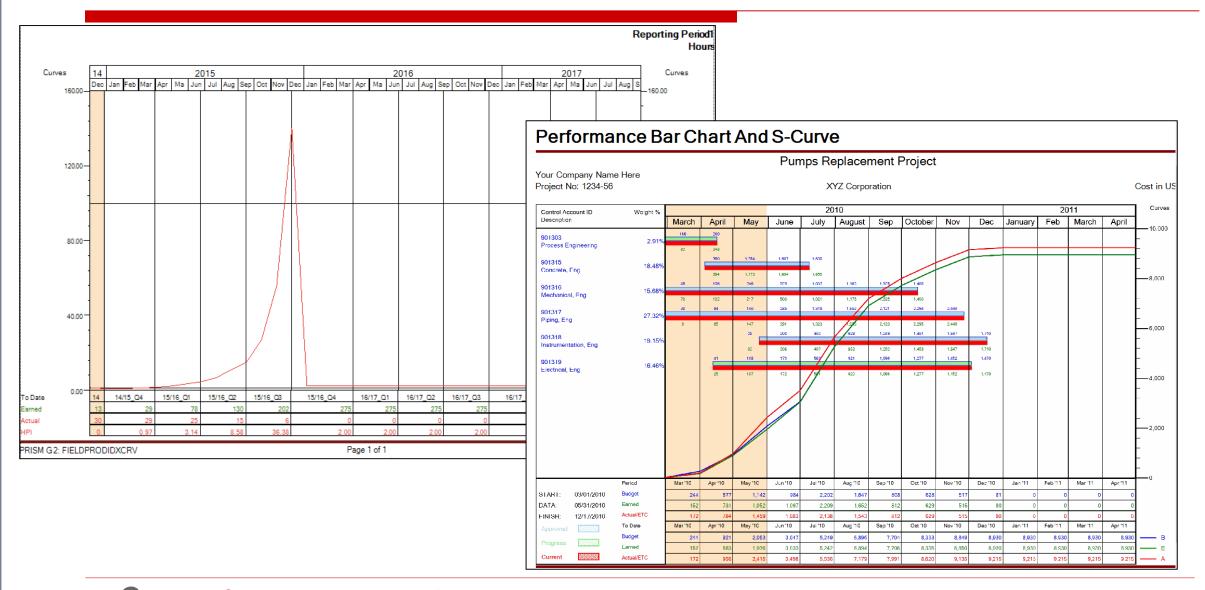




### **Standard Performance Reporting**



#### Productivity & Progress Gantt Charts





### Questions ??





Get in Touch if you'd like to know more!

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