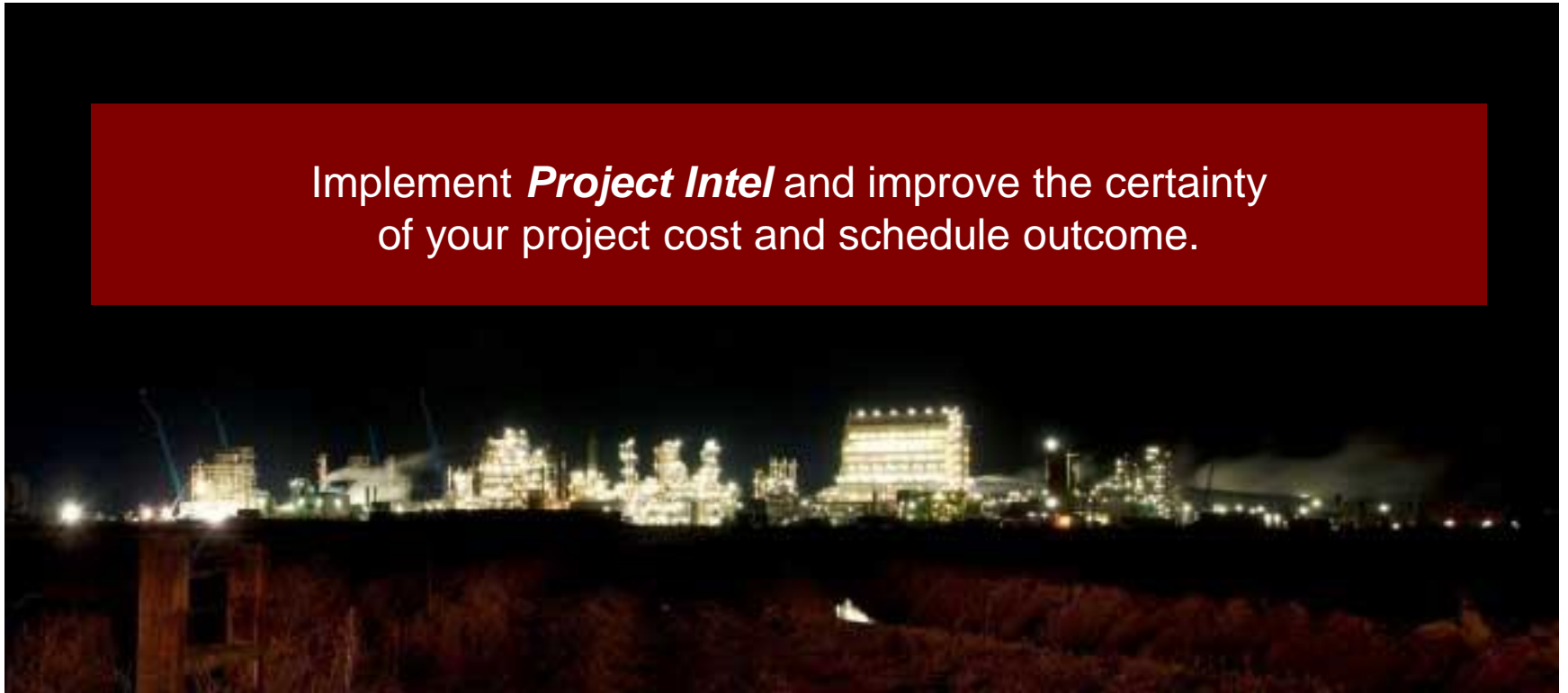# π Project Intel
Your trusted source of project truth

Implement ***Project Intel*** and improve the certainty
of your project cost and schedule outcome.

We provide Project Management solutions for constructors and owners that enhance project controls delivery, and leads to improved project team efficiencies, predictable project costs, and expedited commissioning and start-ups.

Why is Project Intel different from other solutions?

- Focused on the constructors and client's needs
- Designed for CapEx program and portfolio management.
- Consolidates data from various sources, such as Primavera, MS Project, SAP, Oracle, PeopleSoft, data warehouses, and others.
- Provides integrated modules to perform daily project activities.
- Eliminates the proliferation of spreadsheets with duplicate data.
- Configurable to reflect your company's processes, forms, and reports for intuitive analysis.

Why users adopt the software?

- Familiar spreadsheet (Excel like) input
- Customizable by user
- Reduces redundant data entry
- Quickly finds issues
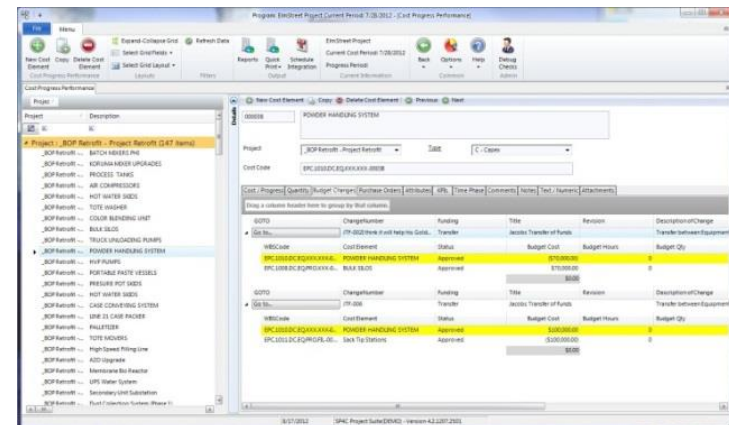
A typical project has many participants from different organizations with objectives and agendas that are not always aligned with the Owner's.

Vendors and Suppliers

Architects and Designers
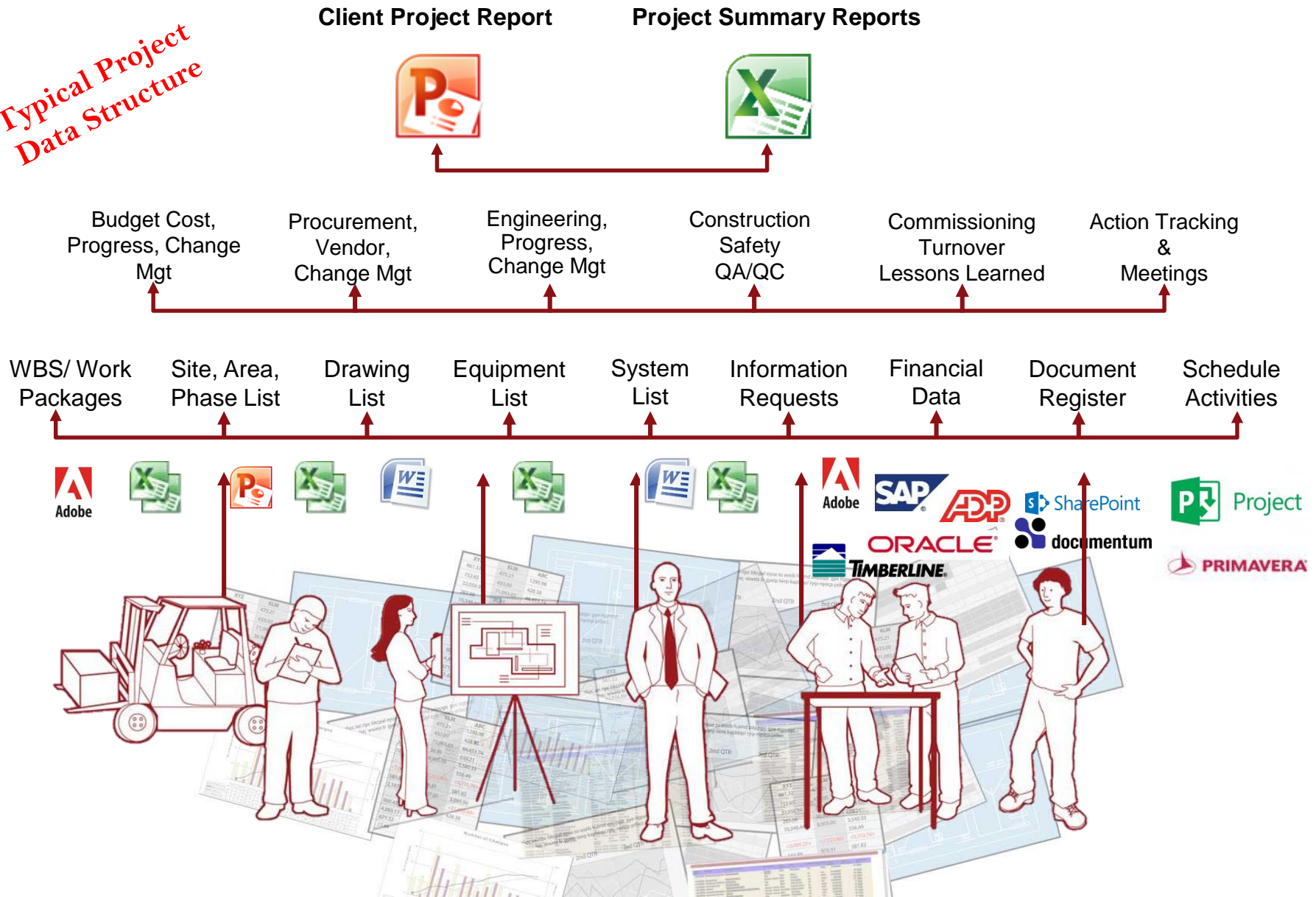
Owners

Engineers

Construction Teams

A project uses data in numerous formats from various sources, but consolidation and reporting is time consuming and accuracy is suspect.

Typical Project Data Structure

Client Project Report

Project Summary Reports

Budget Cost, Progress, Change Mgt	Procurement, Vendor, Change Mgt	Engineering, Progress, Change Mgt	Construction Safety QA/QC	Commissioning Turnover Lessons Learned	Action Tracking & Meetings

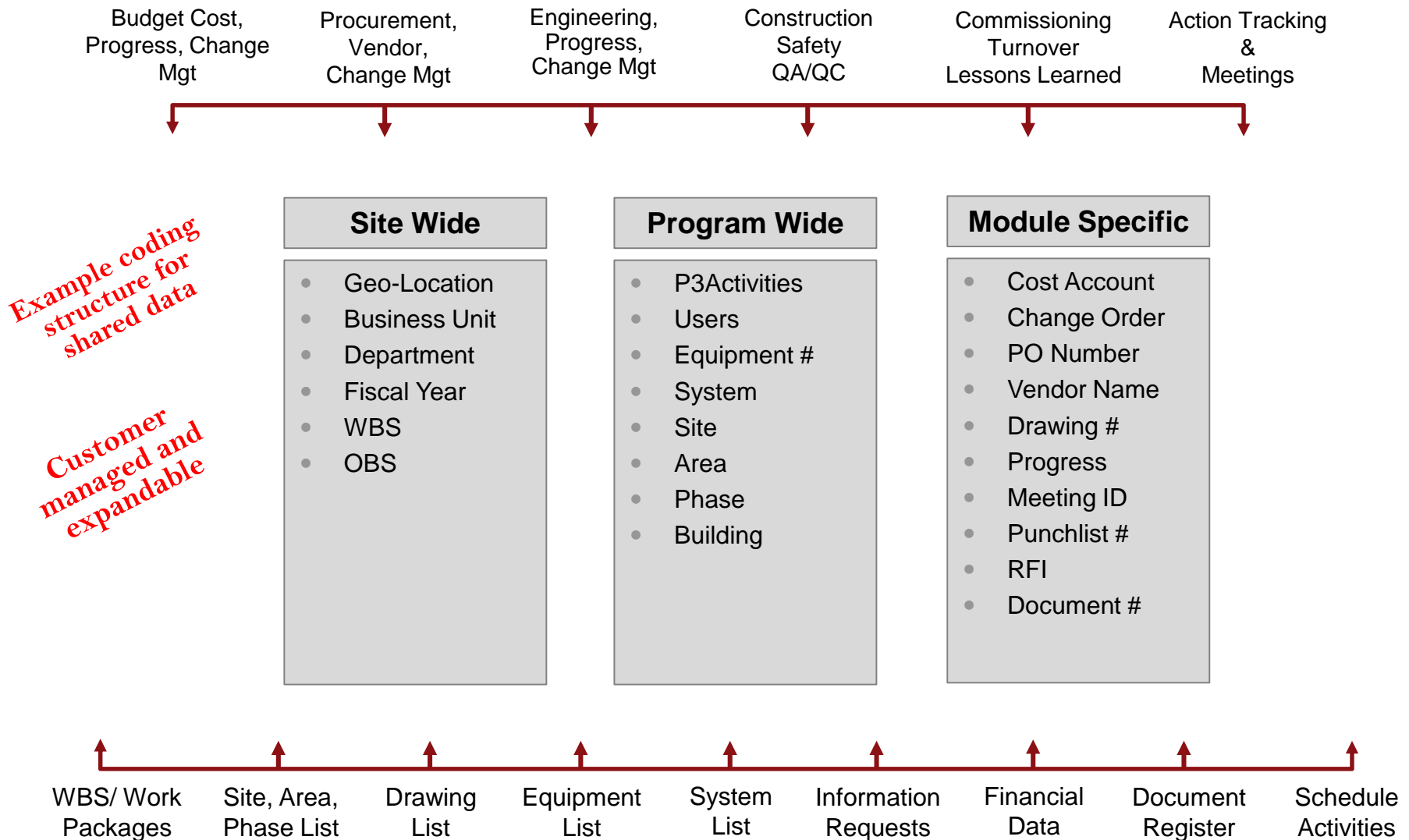| WBS/ Work Packages	Site, Area, Phase List	Drawing List	Equipment List	System List	Information Requests	Financial Data	Document Register	Schedule Activities

Project Intel provides a consistent, controlled location to gather and share data to perform daily activities for all project functions.
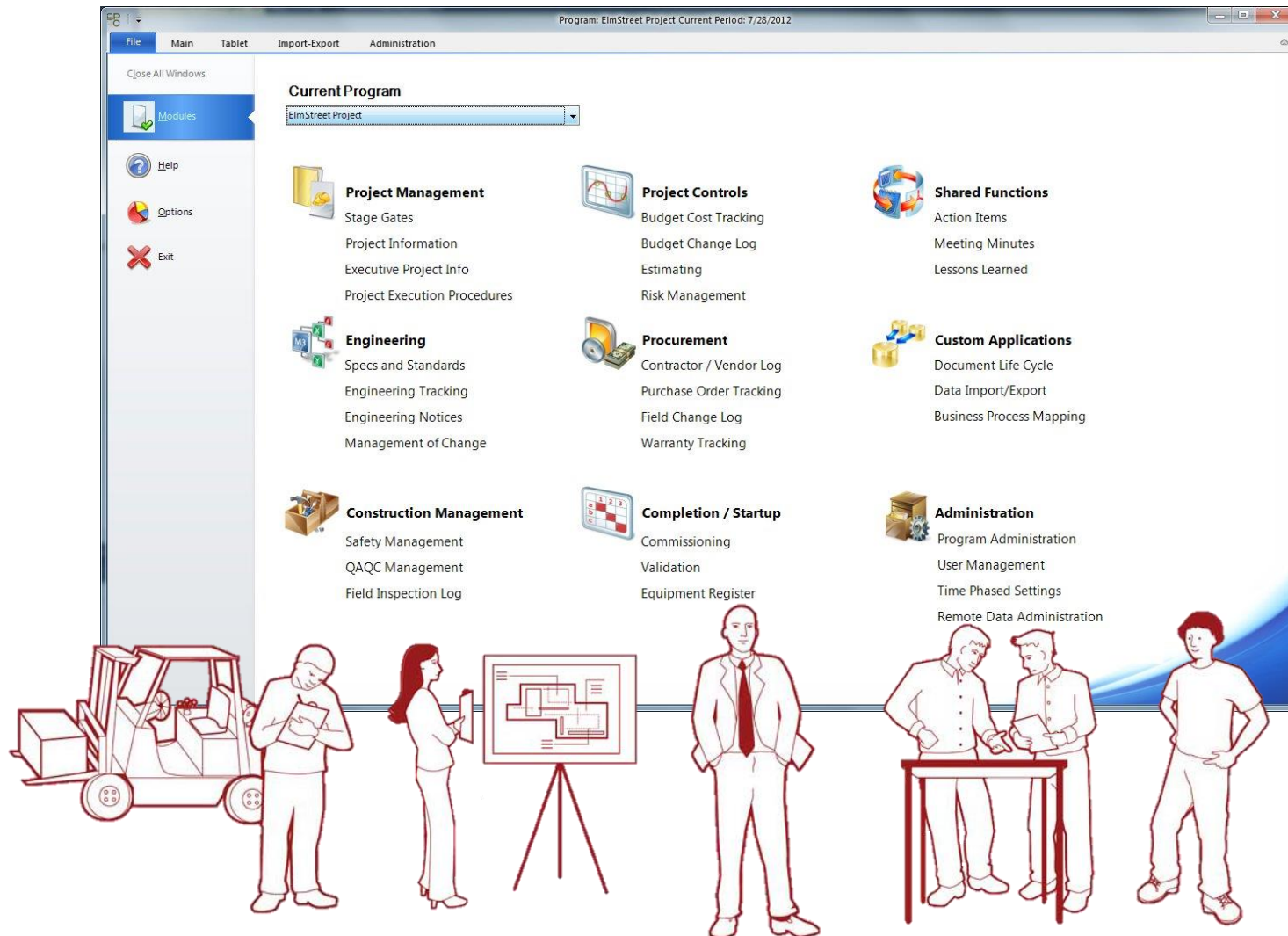
Project Intel receives data from internal sources and replaces spreadsheets, but still creates them for reporting, providing a familiar interface and approach.

π Project Intel

Familiar Reporting

Executive Reports & Dashboards　　**Project Analysis & Reports**

Integrated Modules

| Budget Cost, Progress, Change Mgt | Procurement, Vendor, Change Mgt | Engineering, Progress, Change Mgt | Construction Safety QA/QC | Commissioning Turnover Lessons Learned | Action Tracking & Meetings |

Shared Attributes and Data

| WBS/ Work Packages | Site, Area, Phase List | Drawing List | Equipment List | System List | Information Requests |

External Data Sources

Financial Data　　Document Register　　Schedule Activities

SAP ADP SharePoint

ORACLE documentum Project

TIMBERLINE

JDEdwards Adobe PRIMAVERA
Enterprise Software

Shared Project data is the key to measuring high-level progress and ensuring nothing is dropped.

Budget Cost, Progress, Change Mgt

Procurement, Vendor, Change Mgt

Engineering, Progress, Change Mgt

Construction Safety QA/QC

Commissioning Turnover Lessons Learned

Action Tracking & Meetings

Example coding structure for shared data

Customer managed and expandable

Site Wide

- Geo-Location
- Business Unit
- Department
- Fiscal Year
- WBS
- OBS

Program Wide

- P3Activities
- Users
- Equipment #
- System
- Site
- Area
- Phase
- Building

Module Specific

- Cost Account
- Change Order
- PO Number
- Vendor Name
- Drawing #
- Progress
- Meeting ID
- Punchlist #
- RFI
- Document #

WBS/ Work Packages

Site, Area, Phase List

Drawing List

Equipment List

System List

Information Requests

Financial Data

Document Register

Schedule Activities

Project Intel provides comprehensive analysis and dashboard tools that make sense and provide clarity to improve decision making and certainty of project outcome.

Project Dashboards
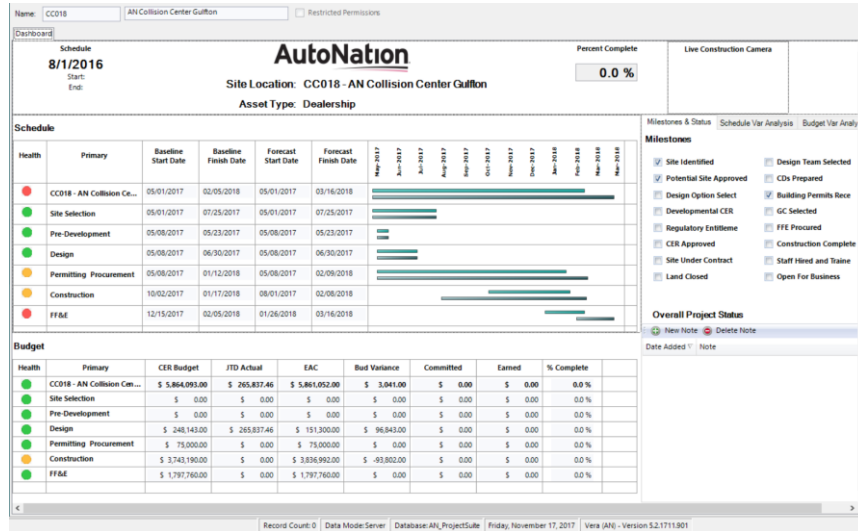
Executive Dashboards and Reports

Cost, Budget, Change Management
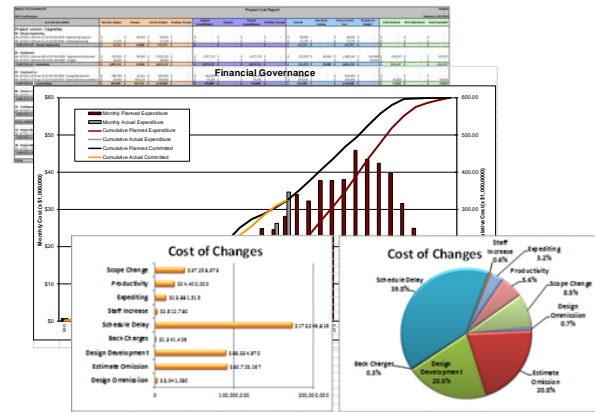
Commissioning, Action Tracking
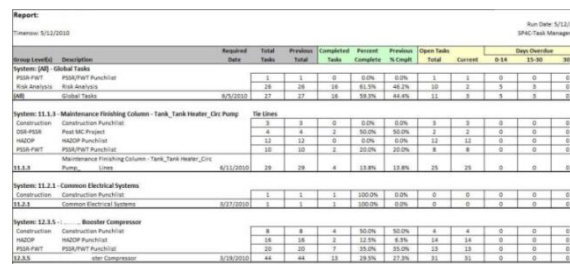
Progress, Schedule and Performance
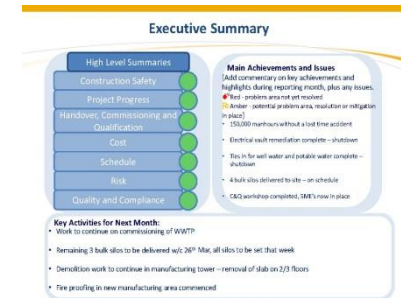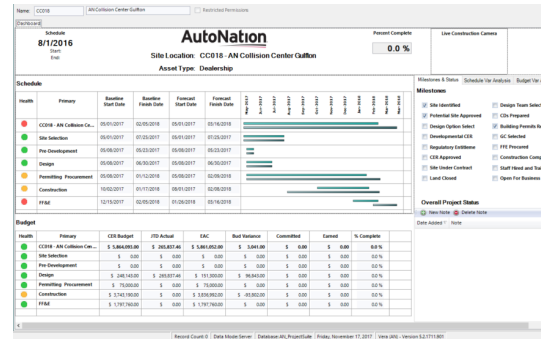
Supplemental Slides

Module Descriptions

Project Management module

Project Management

Stage Gates

Project Information

Executive Project Info

Project Execution Procedures

The single location for Project Managers and executives to review the high-level status of projects, view dashboard values, and create monthly reports.

- Focused on high-level trends and analysis
- Consistent view of all projects
- Summary from all functions

Receives	Feeds
• Cost • Changes • Milestones • Action Status • Turnover • Safety • QA/QC • Engineering Progress	• Project Reports • Lessons Learned • Dashboards • External Systems (SAP, Oracle, ADP)

Engineering

Specs and Standards

Engineering Tracking

Engineering Notices

Management of Change

Provides the ability to track and manage activities relating to engineering progress, development and review of drawings, change requests, and management of change requirements.

- Progress reports and trends
- Change approval processes and forms
- Links to internal specs and standards

Receives	Feeds
- Equipment Register - Turnover Packages - Document / Drawing Register	- Commissioning - Project Management Progress - Budget Change - Action Tracking - Lessons Learned

Construction Management module

Construction Management

Safety Management

QAQC Management

Field Inspection Log

The location for tracking all things related to the field construction activities. Includes tracking, communicating, and closing Safety issues, as well as QA/QC and Field inspections.

- Safety Issues, Forms, Closure
- Customized QA/QC reports and forms
- Project defined Field Inspection that link into Action Tracking

Receives	Feeds
• Meeting Minutes • Safety Tracking	• Project Management • Budget Change • Equipment List • Turnover / Commissioning • Lessons Learned

Project Controls module

Project Controls

Cost Progress Performance

Change Management Log

Schedule

Risk Management
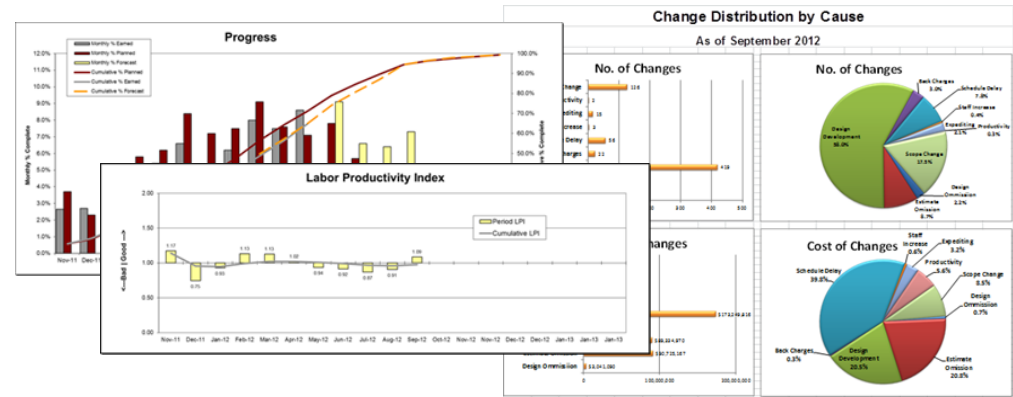
Following best practices of Earned Value Management, this is where Cost and Progress Measurement combine with Schedule to track all cost elements, review progress, manage change orders, and forecast future cost.

- Cost Coding and WBS
- Earned Value Management
- Budget Change Control/Approvals
- Forecast creation and analysis
- Rollup and cross-code analysis

Receives	Feeds
• Schedule • Budgets • Subcontract values • Remote time & progress • Financial Feeds (SAP/Oracle) • Forecasts	• Project Management • Monthly Reports • Financial Systems (SAP/Oracle) • Action Tracking • Lessons Learned

Procurement

Contractor / Vendor Log

Purchase Order Tracking

Field Change Log

Warranty Tracking
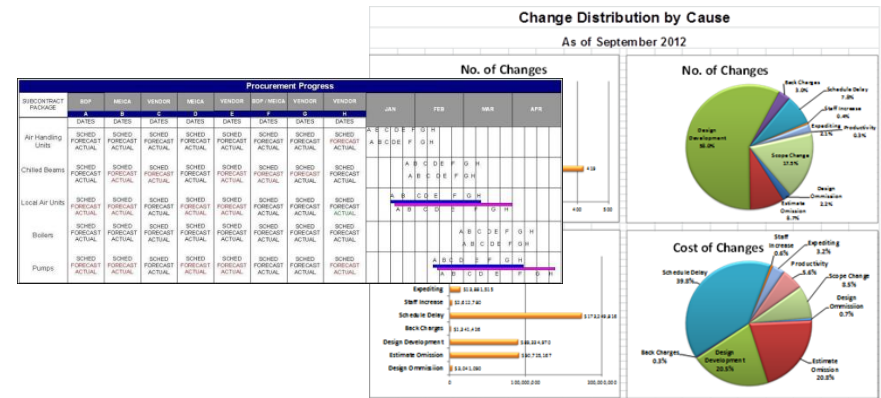
The place to manage subcontract PO tracking and field change management, as well as integration and review of invoices and warranty related items.

- Commitments/ Actuals analysis
- Forecast analysis
- Warranty Issue tracking
- Feeds from SAP/Oracle/JDE/MRO

Receives	Feeds
• Vendor/PO Feeds (SAP/Oracle) • Subcontract Change • Equipment List	• Project Management • Budget Cost • Budget Change • Action Tracking • Equipment List • Turnover / Commissioning • Lessons Learned

Data used to populate the final cost report comes from the sources where data is properly generated.

Report: Cost Summary 01	Project Cost Report											
Description	Original Budget	Approved Changes	Current Budget	Pending Changes	Original Committment	Approved Changes	Current Committment	Pending Changes	Growth	Line Items Conting	Forecast Total Cost	Variance to Budget
EPC.1001.1-D.EQ00019 - BATCH MIXERS PHI	$ 3,662,792	$ 71,408	$ 3,734,200	$ 25,400	$ 889,995	$ 2,872,963	$ 3,762,958	$ -	$ -	$ -	$ 3,762,958	$ (28,758)
EPC.1002.1-D.EQ00023 - MIXER UPGRADES	$ 1,150,000	$ (660,000)	$ 490,000	$ -	$ 340,050	$ 117,237	$ 457,287	$ -	$ -	$ -	$ 457,287	$ 32,713
EPC.1006.1-D.EQ00029 - TOTE WASHER	$ 247,849	$ -	$ 247,849	$ 3,250	$ 211,830	$ 42,629	$ 254,459	$ -	$ 25,000	$ (23,500)	$ 255,959	$ (8,110)
EPC.1007.1-D.EQ00031 - COLOR BLENDING UN	$ 1,400,000	$ (19,218)	$ 1,380,782	$ 55,000	$ 1,083,000	$ 15,500	$ 1,098,500	$ -	$ 122,338	$ 100,000	$ 1,320,838	$ 59,944
EPC.1008.1-D.EQ00034 - BULK SILOS	$ 1,278,875	$ 233,712	$ 1,512,587	$ -	$ 1,493,345	$ (91,515)	$ 1,401,830	$ -	$ 83,772	$ 15,000	$ 1,500,602	$ 11,985

Project Controls

Budget Cost Tracking — Original Budget — Growth | Line Items Conting | Forecast Total Cost

Budget Change Log — Approved Changes — Pending Changes

Procurement

Contractor / Vendor Log

Purchase Order Tracking — Original Committment

Field Change Log — Approved Changes — Pending Changes

Import features are available from: SAP · ORACLE PeopleSoft · ADP · TIMBERLINE. · sage · QuickBooks.

Schedule Integration

A two-way transfer of data to feed the schedule with progress including cost, hours, and quantities, and to assist with the startup of the schedule, then receive calculated dates to help generate progress curves based on earned value.

Send/Receives

- Activities
- Descriptions
- Dates
- Resources
- WBS
- Custom Codes

Relationships

- 1 to 1
- 1 to Many
- Many to Many

PRIMAVERA

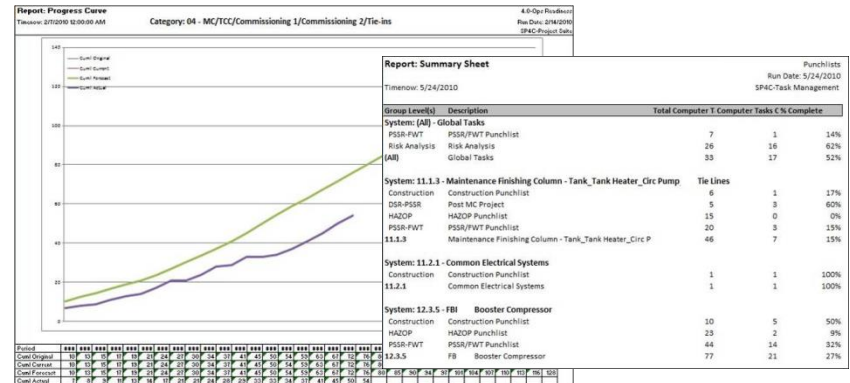**Project**

Completion / Startup module

Completion / Startup

Commissioning

Validation

Equipment Register

The source for closing out the project that focuses on turnover packages, validation, and managing the links to the equipment list to ensure everything is accounted for and all items are ready for handover.

- Integrated Close-out schedules
- Links to documents/forms
- Custom grouping of items for completion
- Project defined equipment register

Receives	Feeds
• Document Management Status • Action Items • Meeting Minutes • Subcontract status • Engineering Tracking • Schedule	• Project Management • Lessons Learned • Meeting Minutes • Schedule

Shared Functions

Action Items

Meeting Minutes

Lessons Learned

The best place to track, manage, share, and close-out action items on the project. Items are created from various modules and feed the central repository of action items.
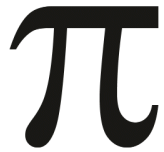
- Segregation of responsible v. approver
- Direct links to Meeting Minutes
- Project defined breakdown of items
- User focused action tracking
- Shared view of progress

Receives	Feeds
• Meeting Minutes • Safety Tracking • Engineering • Commissioning • Change Orders • Project Management	• Project Management • Turnover / Commissioning • Lessons Learned • Meeting Minutes

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Contact SW4Cx for a ***Project Intel*** demonstration and learn
how to increase the certainty of your project cost and schedule outcome.

SW4Cx LLC

Business Development

Missoula	**406.626.3110**
Seattle	**206.696.4364**

www.sw4cx.com