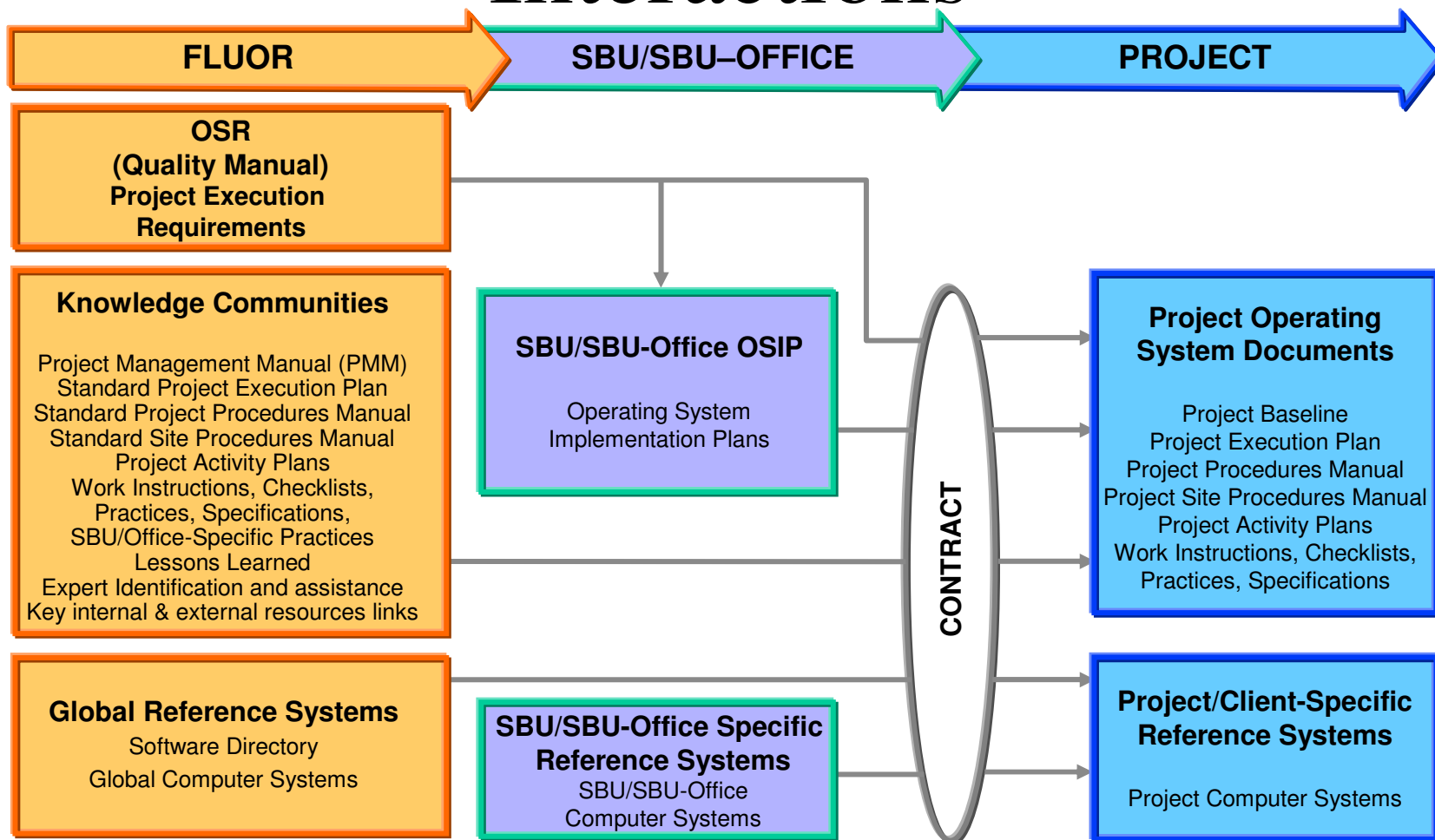


Estimate Centric Execution & Knowledge management



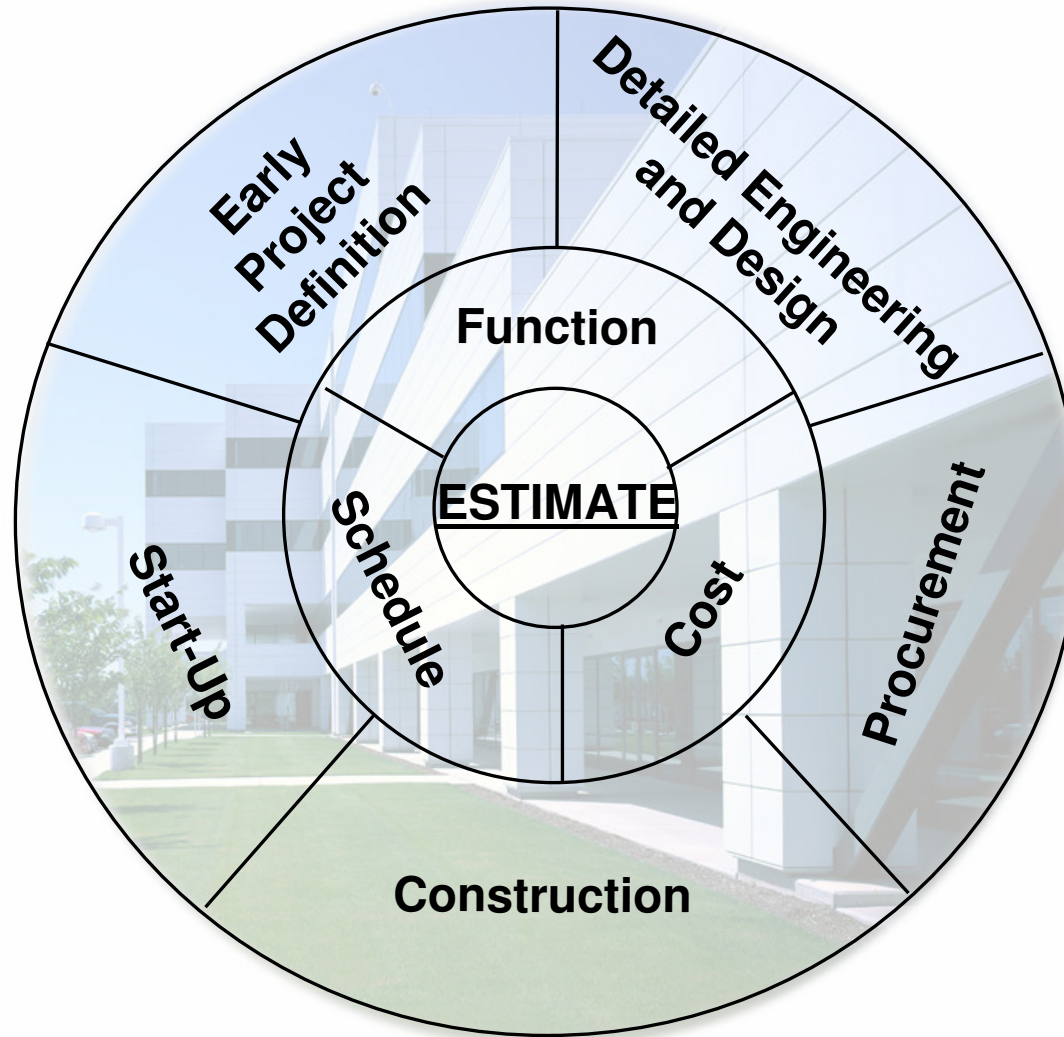
Fluor Operating System - Interactions



Estimate Centric Execution

***The Practice of Engineering, Procurement,
Construction and Commissioning in
accordance with the Estimate and the Change
Management Process***

Estimate Centric Philosophy



Estimate Centric Approach

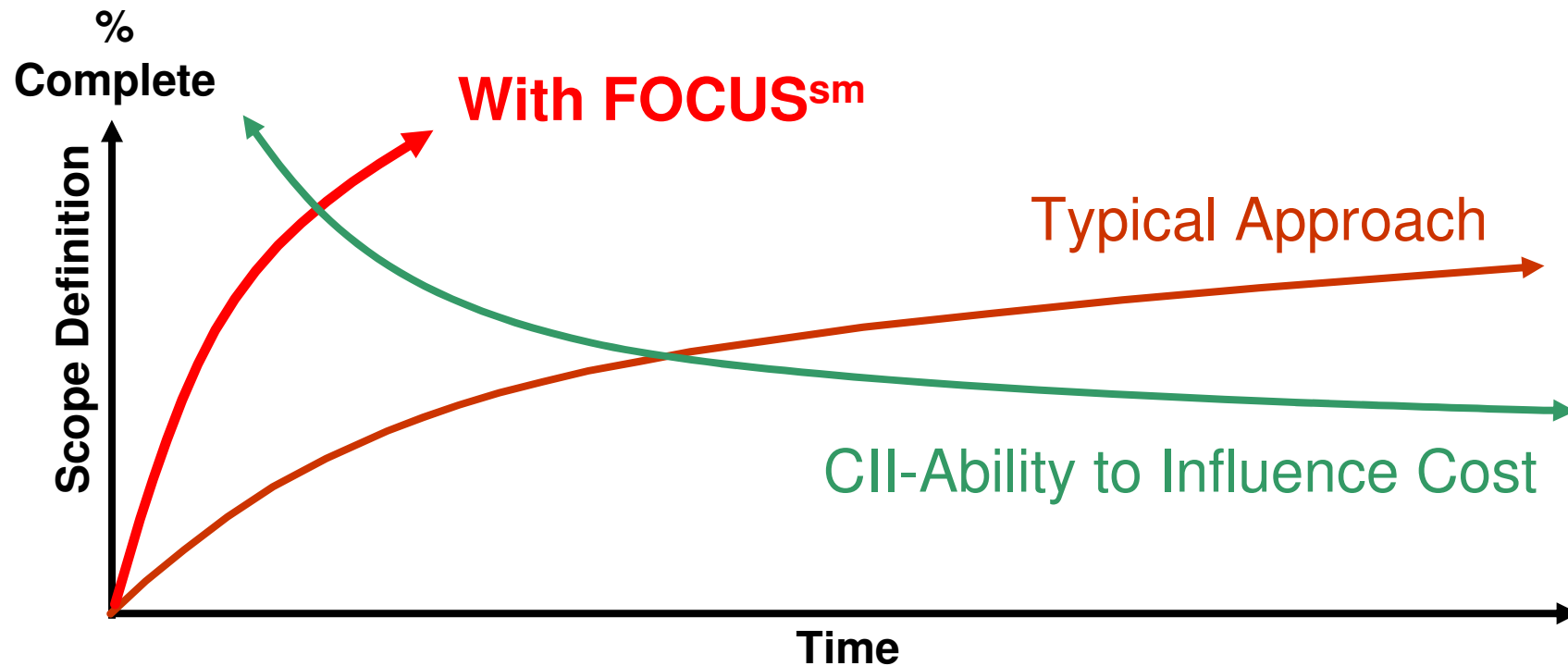
Fundamental SBU Strategy

- Core to Our Value Proposition and Business Strategy:

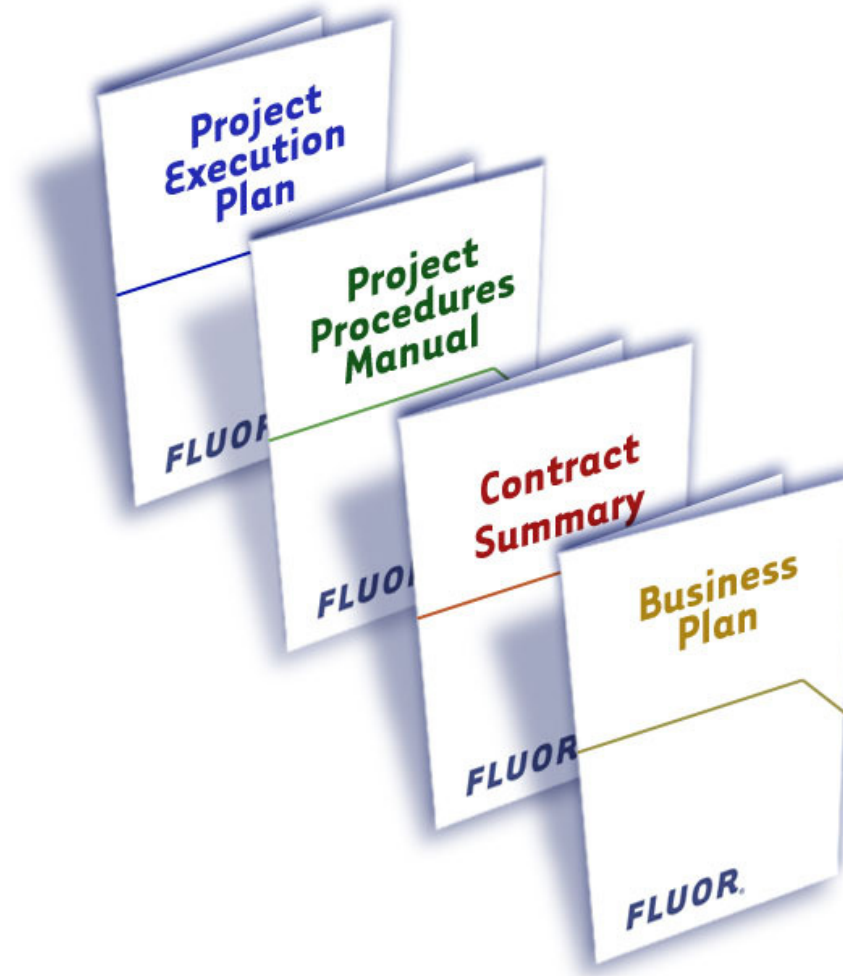
***Bringing Early Certainty of Function,
Cost and Schedule***

Early Project Definition

The FOCUSsm Process Results

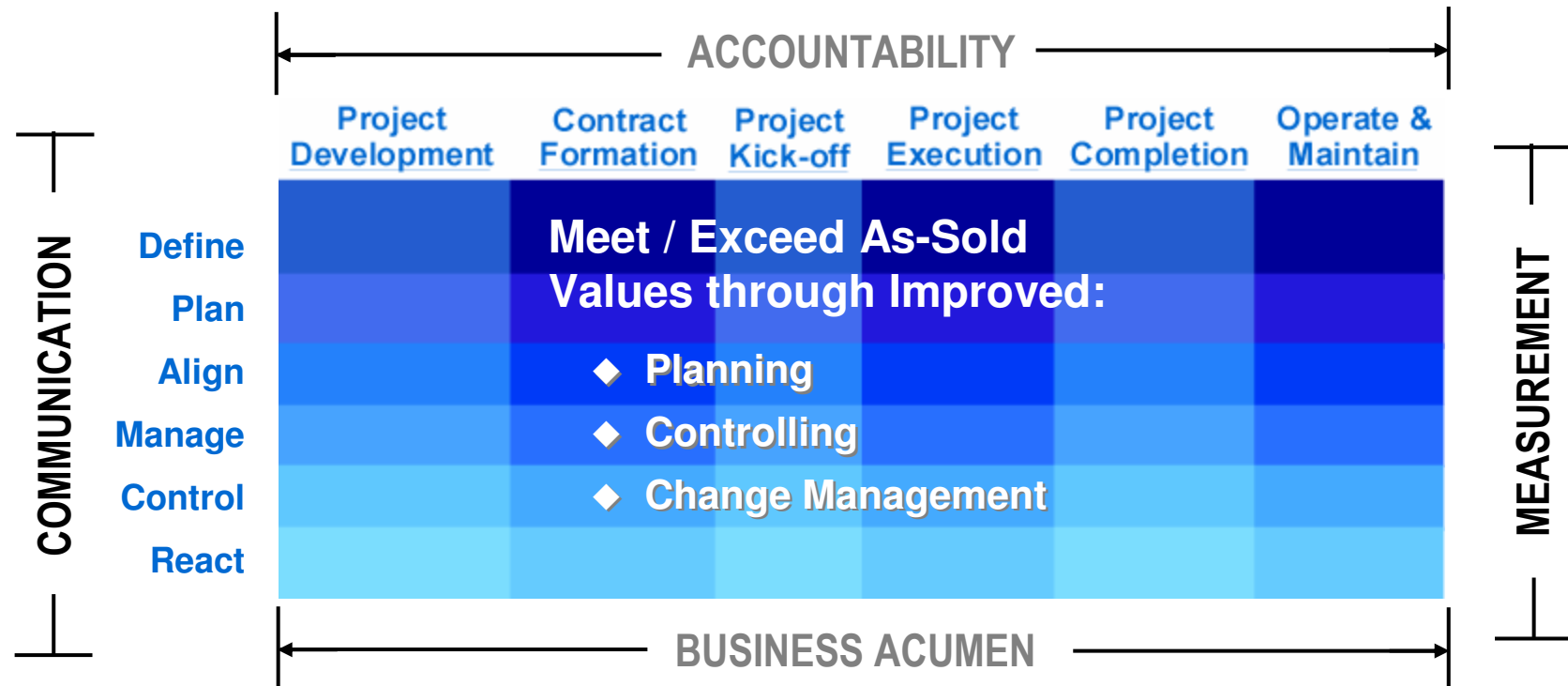


Baseline Definition

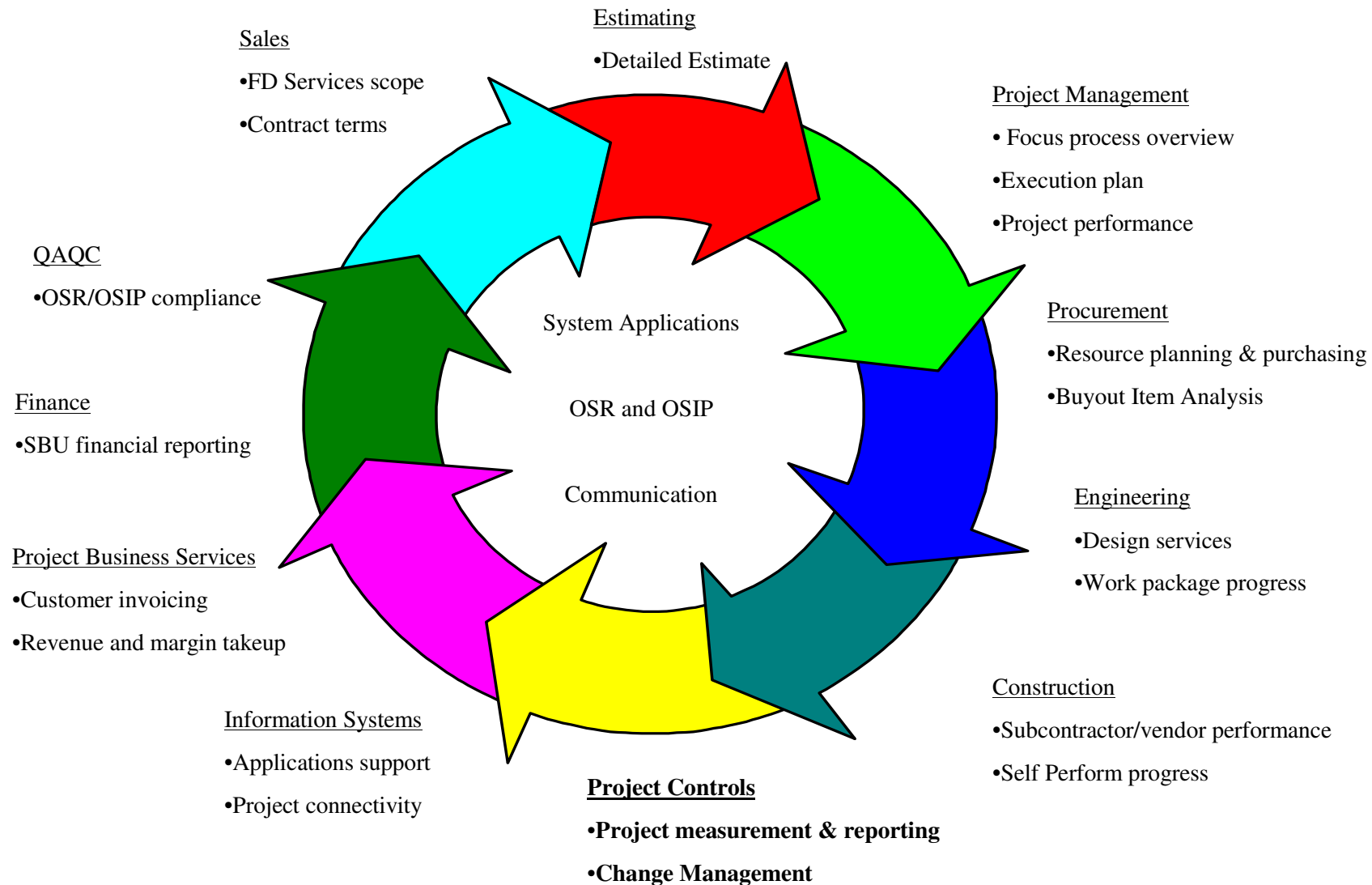


Baseline Execution Approach

“Baseline Centric Project Execution Standard”

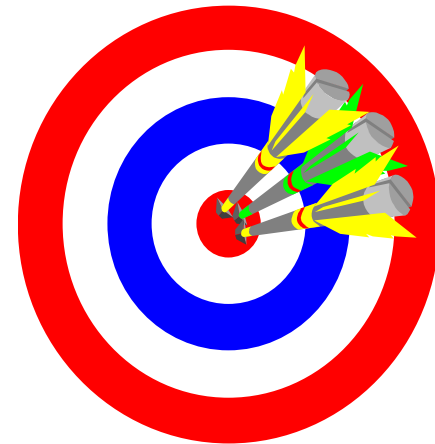


Project Services Team Ownership



Estimate Centric Execution

Delivering Early
Certainty to
Function, Cost &
Schedule



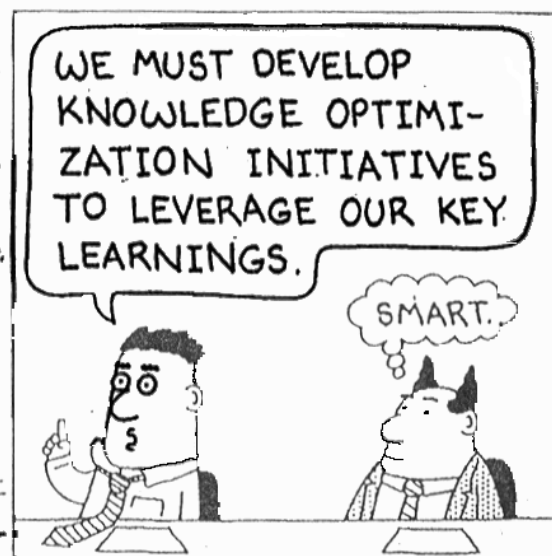
Knowledge management & systems

Fluor Knowledge On Line (KOL)

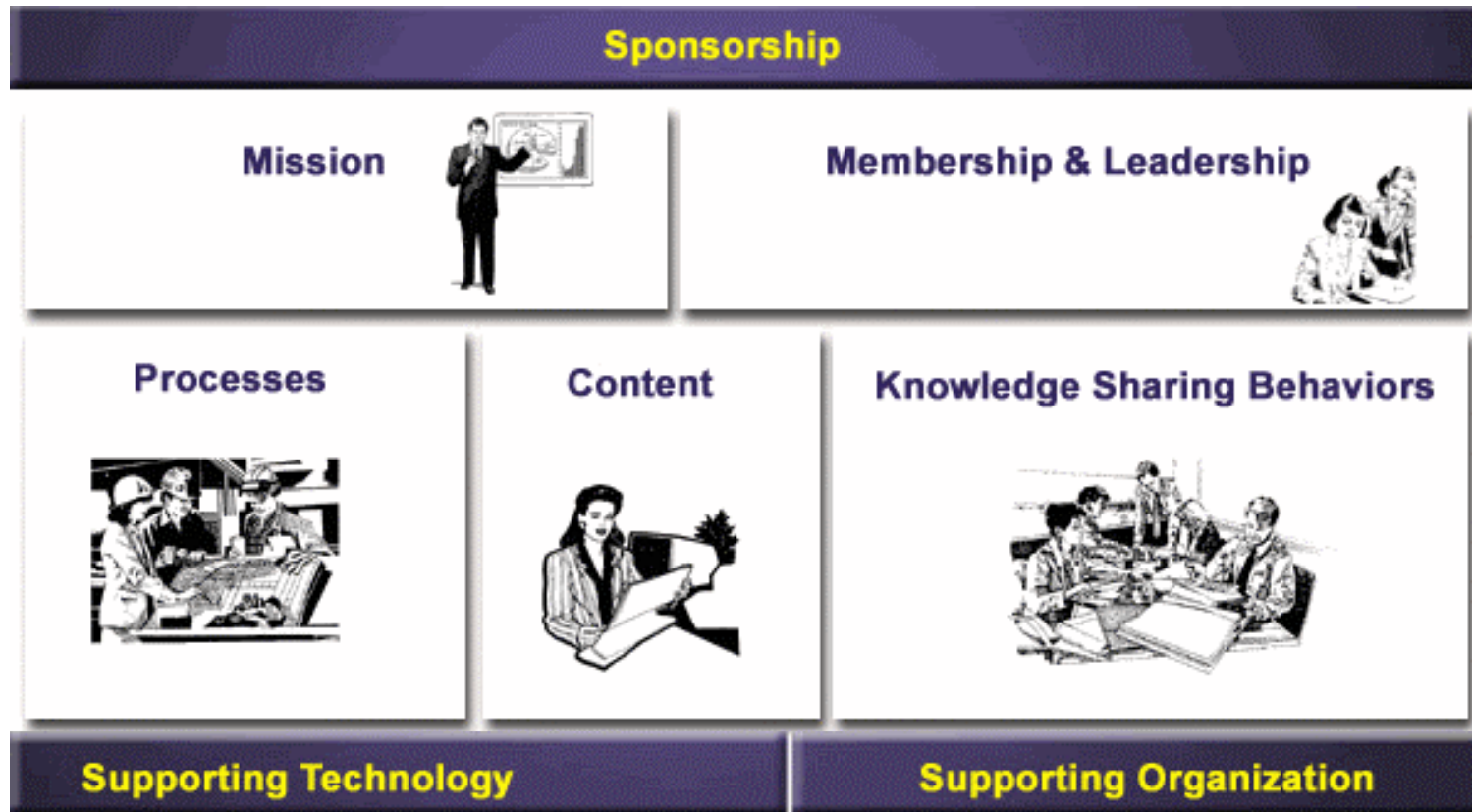
Estimating & Project controls
Community



11 26/98 © 1998 United Feature Syndicate, Inc.



What is a Knowledge Community?



Some Fluor Community Types

The image displays three overlapping screenshots of the Fluor Knowledge OnLine website, illustrating different community types. Each screenshot shows a consistent layout with a left-hand navigation menu, a main content area, and a right-hand sidebar.

Top Screenshot: Project Controls

- Header:** Knowledge OnLine, Project Controls, Search bar, Advanced Search, Search Tips, Help/Feedback.
- Left Menu:** Quick Links, Communities, Directory, MySpace, Submit, Forums, News, Knowledge, Queries, Resources, MySpace, Members.
- Main Content:** "The Project Controls Community provides a knowledge-sharing forum leveraging SAP/BW COST & REVENUE COST EXTRACT STATUS BULLETIN" and "FDCOST".
- Right Sidebar:** Community Info (Community Mission, Community Help, Community Leaders), Join Now.

Middle Screenshot: Material Management

- Header:** Knowledge OnLine, Material Management, Search bar, Advanced Search, Search Tips, Help/Feedback.
- Left Menu:** Same as top screenshot.
- Main Content:** "Welcome to the Material Management Community!" with links to Supplier Diversity, QSR, Fluor Approved Supplier List (ASL), Contact List - Fluor GS&S, Contact List - SRA Holders, and Contact List - Logistics SRA Holders. Navigation tabs: MM Home Page, Practices, Supplier News, GS&S, SRS, Contact Directory.
- Right Sidebar:** Same as top screenshot.

Bottom Screenshot: Project Management/Engineering

- Header:** Knowledge OnLine, Project Management/Engineering, Search bar, Advanced Search, Search Tips, Help/Feedback.
- Left Menu:** Same as top screenshot.
- Main Content:** "PE 100 - Project Team Roles & Responsibilities Course" and "Engineering". Navigation tabs: Home, Recognition, Spotlight, K-Packs, Workshare, Training, HSE, PEN, Contacts. Content includes "Who we are", "Global Functional Track", "Knowledge November 2003", "Engineering Technical Spotlight!", "Document Control Knowledge", and "What is Knowvemember?".
- Right Sidebar:** Community Info (Community Mission, Community Help, Community Leaders), Join Now, Recent Headlines (Electrical Engineering DEL Transition, Spotlight on Our Expertise-Functional Leadership, Project Activity Model (PAM) - Updated, MathCAD 11.1 now available), Community Favorites (Global Functional Track - Engineering, Global Functional Track - Information/Records Management, Project Management - PE100 Learning Course, Fluor GS&S, Approved Supplier).

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What Do Fluor Communities Do?

- Act as change agent to promote a knowledge sharing culture
- Own and manage their group's knowledge assets
- Drive content acquisition, filtering and reuse
- Initiate research and collaboration to generate new knowledge
- Assist in developing people
- Promote active Discussion Forums

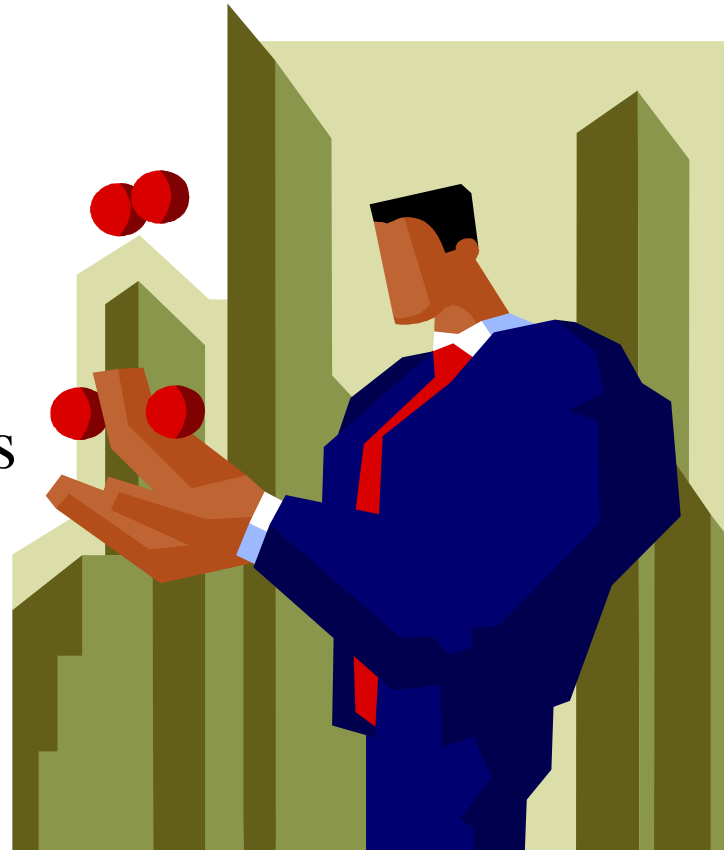
Knowledge Management Costs

- Implementation Costs
 - Infrastructure, hardware
 - Software purchase/licenses
 - Software development
 - Consulting services
 - Transfer of knowledge from existing systems
 - Knowledge stewardship
 - Training & communication



Knowledge Management Costs

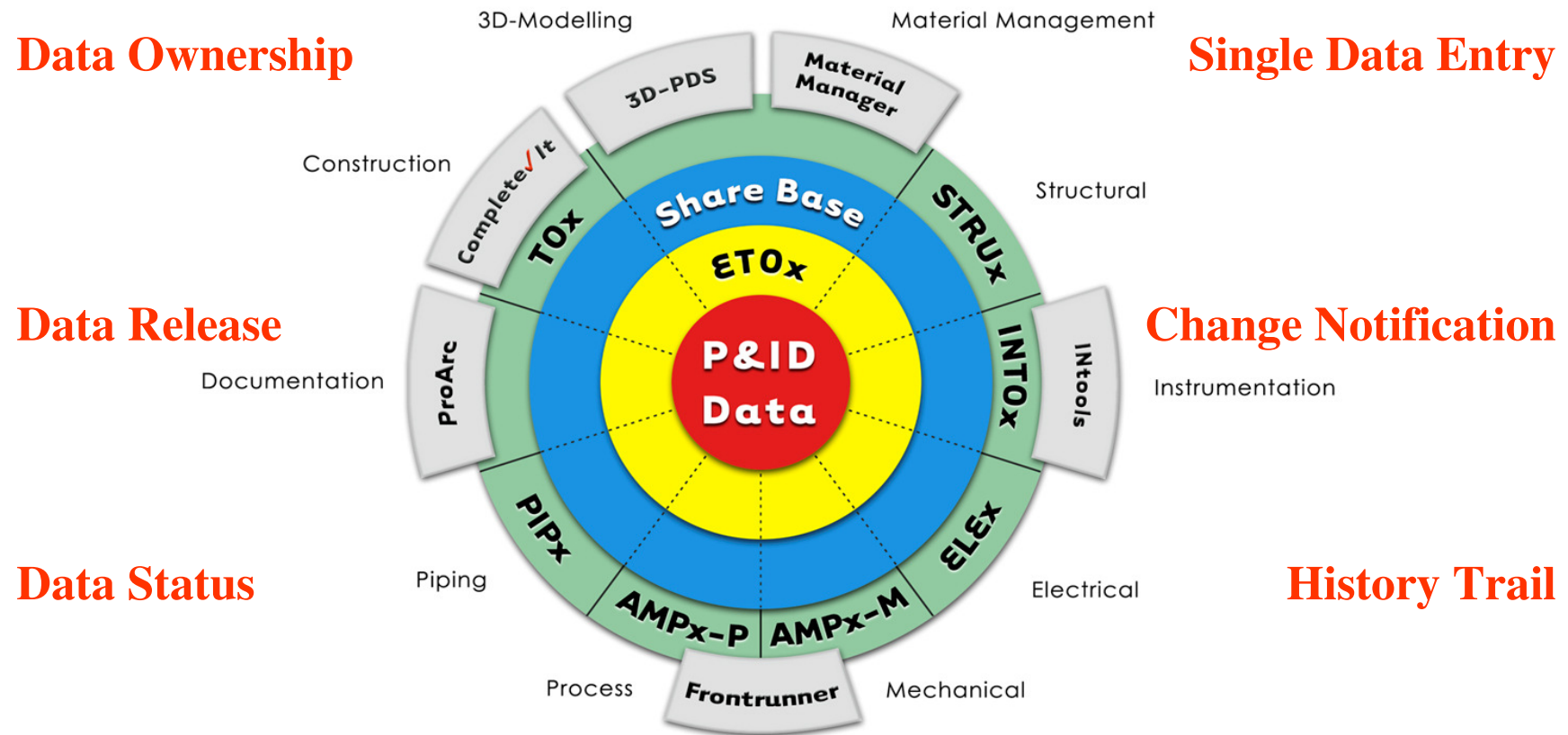
- Operating Costs
 - Membership
 - Knowledge Stewardship
 - Infrastructure
 - Hardware, Software
 - Incentive/reward programs



Cost Estimate Data

- Input
 - Scope of Work
 - Scope of Facilities
- Output
 - Cost Estimate
- Required
 - Engineering data
 - Cost data

Integrated Design Build (IDB)



Mechanical Cost Historical Data

- Equipment data base
- Collect historical data
- Benchmark for new projects



Questions and Answers