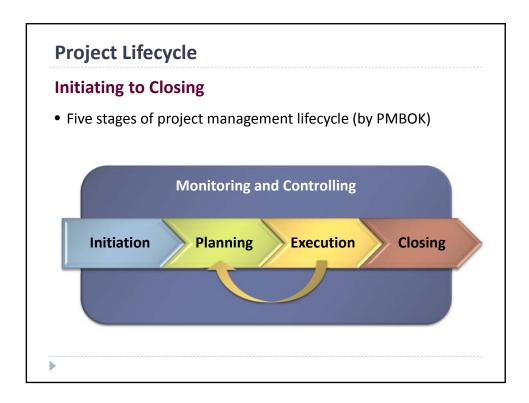
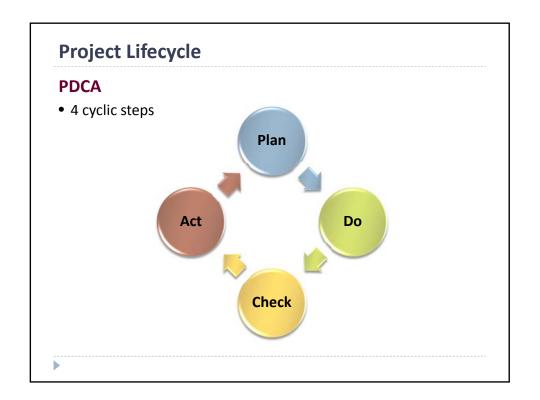


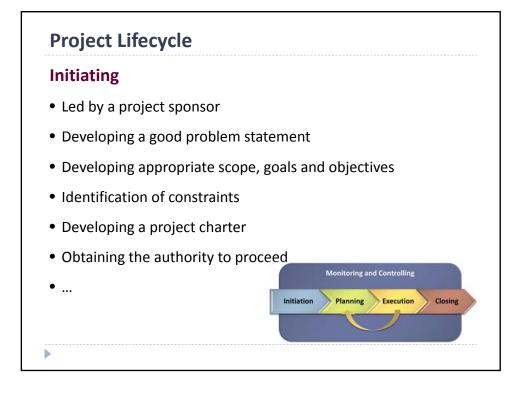
Project Management

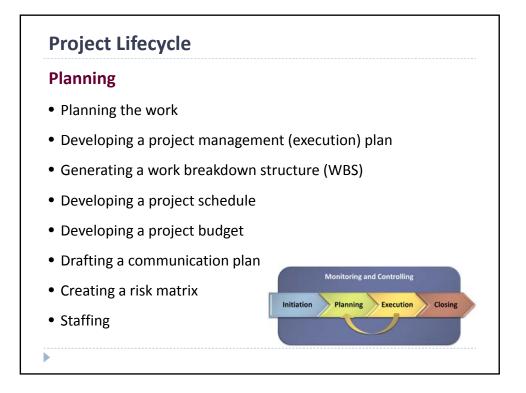
Session 3 Outline:

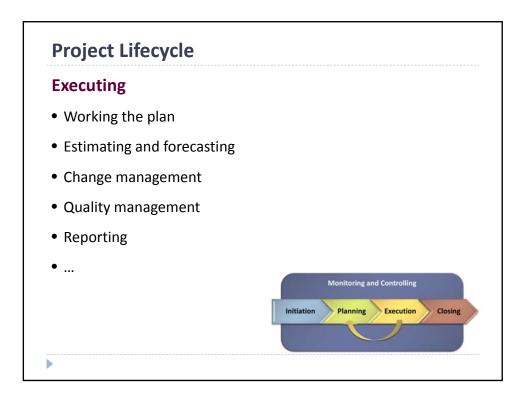
- Project lifecycle
- Types of lifecycle
- Project phases and gates in industrial projects

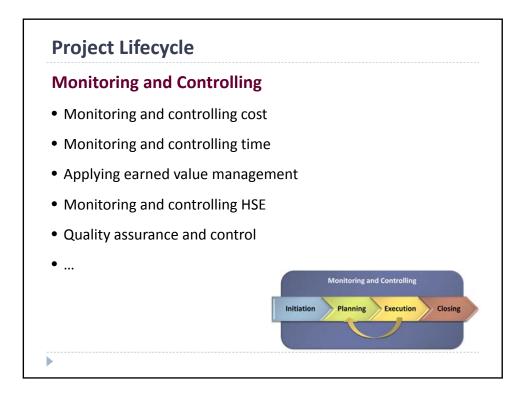


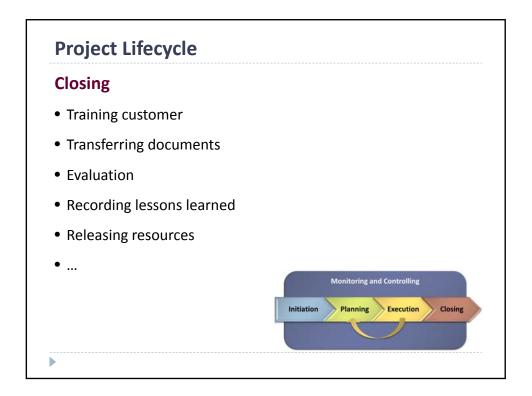


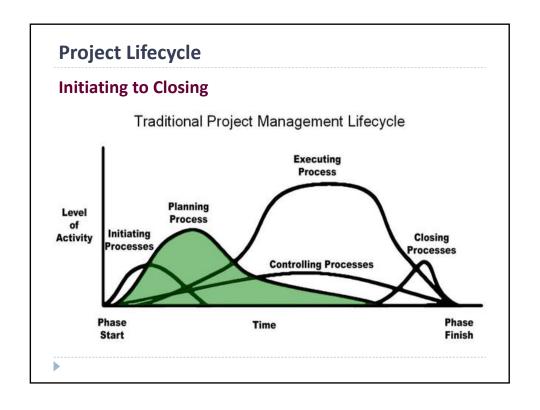








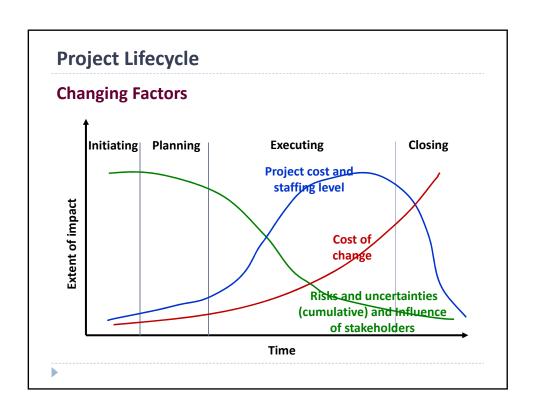


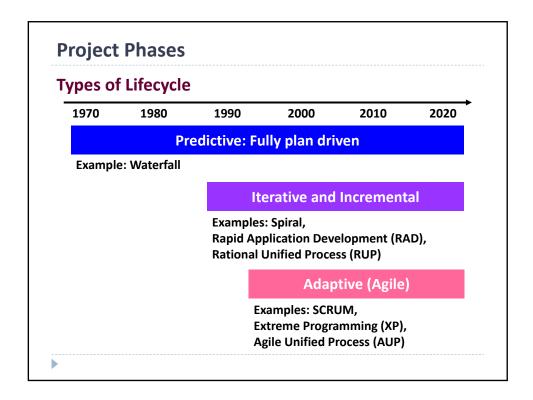


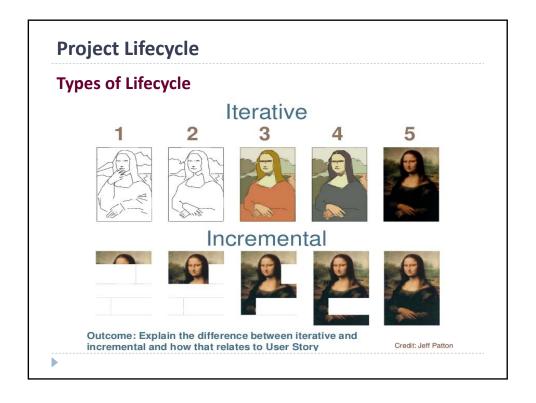
Project Lifecycle

Initiating to Closing

- Slow start (initial resources assigned, PM selected, program organized)
- Quick momentum in the midway
- Slow finish (many parts must come together at the end)



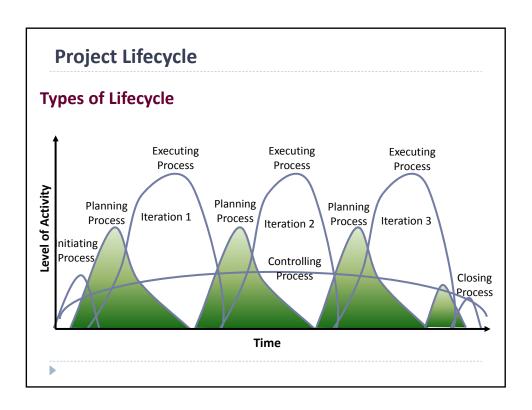




Project Lifecycle

Types of Lifecycle

- Incremental: Not making it at once
- Iterative: Not making it all right from the beginning
- Agile: Incremental + Iterative



Project Lifecycle

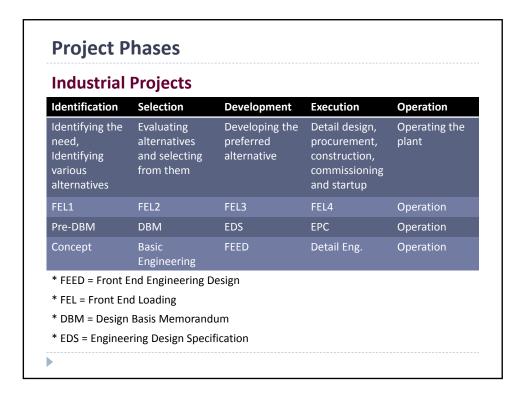
Types of Lifecycle

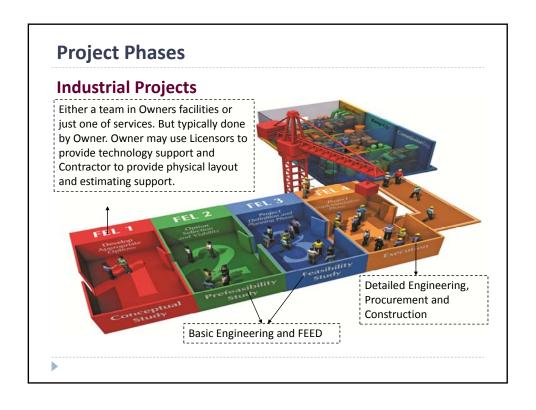
| Topic | Predictive | Iterative | Adaptive (agile) |
|------------------------|--|----------------------------|---|
| Phases | Sequential, overlapping | Sequential, overlapping | Sequential, overlapping, parallel |
| High-Level Scope | Yes | Yes | Yes |
| Detailed Scope | At beginning of project | Only for each phase | Only for each phase or iteration |
| High-Level Planning | Yes | Yes | Yes |
| Detailed Planning | At beginning of project or rolling wave | Only for each phase | Only for each phase or iteration |
| When Used | Product is well understood | Large and complex projects | Product is not well understood, rapidly changing environments |
| Customer involvement | Beginning, when scope changes, and project end | Periodic | Continuous |

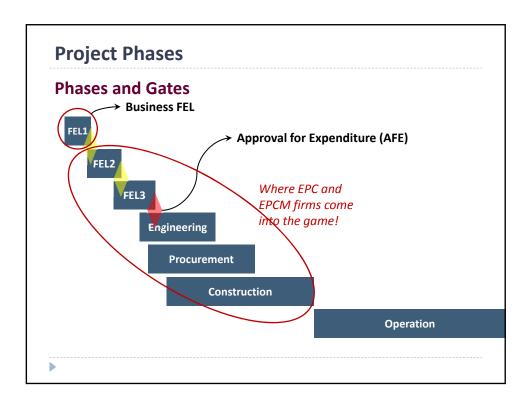
Project Phases

Industrial Projects

- Industrial projects are complex tasks; they have to be proceeded in phases, not in one single rush. The phases are often as follows:
 - Identification
 - Selection
 - Development
 - Execution
 - Operation
- The phases have names, but the names are not consistent across industry.



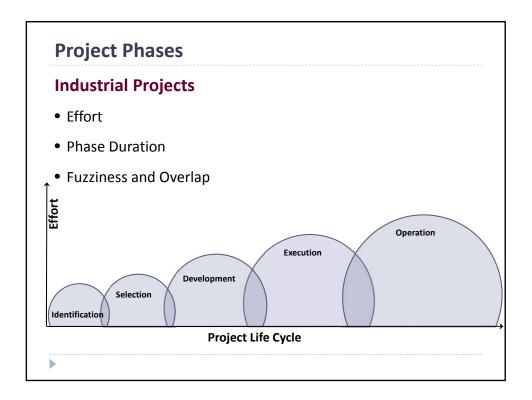


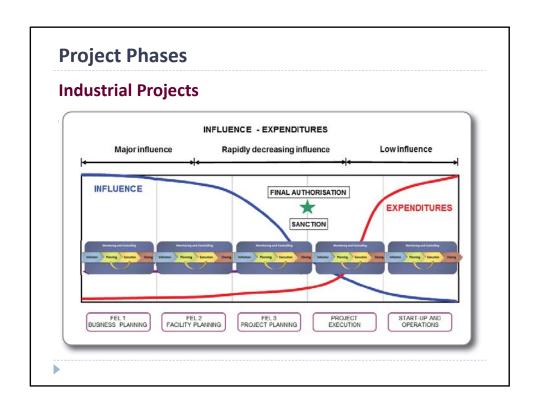


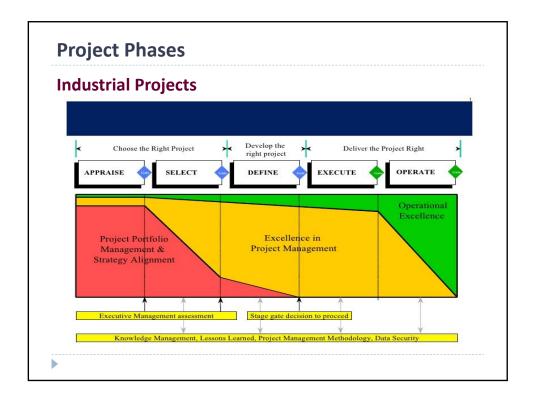
Project Phases

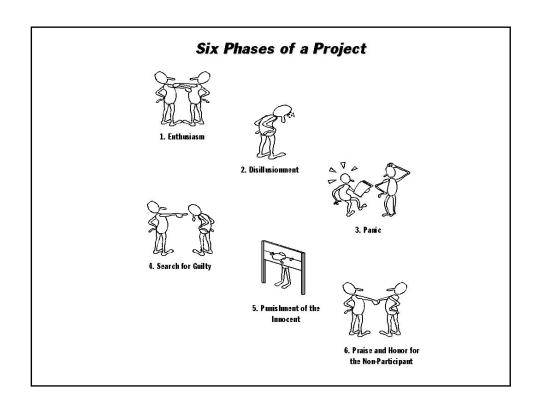
Industrial Projects

- Why companies use project phases?
 - Project phases were developed in response to poor project outcomes and need to supervise capital better
 - An evolution from goal of making investment decision with the lowest possible investment/effort/cost to more predictable outcomes from the investment decision.
 - The phases can usually be defined by a milestone achievement that ends the phase









Thank You

References

- Project Management Institute (PMI), 2013, A Guide to Project Management Body of Knowledge (PMBOK), 5th Edition
- Jack R. Meredith, Samuel J. Mantel, Jr., Scott M. Shafer, Project Management: A Managerial Approach, 9th Edition
- Rory Burke, Project Management: Planning and Control Techniques, 4th Edition
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