

Phase 1: Initiation/Conceptualization

- Identify need
- Establish feasibility
 - Program, process
 - Schematics
 - Prelim budget, schedule
 - Project team
 - Financing
 - Risks
- Identify alternatives
- Present proposal
- **Approval to proceed**

Phase 2: Planning

- Develop
 - Plan
 - Block diagrams
 - Sketches, outline drawings
 - Standards
- Conduct studies
- Reconfirm economics
 - Budget, cash flow
 - Financing
 - Schedule
- Re-assess risks, alternatives
- Present Project Brief
- **Obtain approval to proceed**

Phase 3: Execution and Control

- Set up organization
- Working drgs and specs
- Design review
- Procure equipment
- Procure constm service
- Procedure physical asset
- Quality assurance/control
- Verify performance

- Modify as required
- Progress monitoring
- Forecast and reports
- Deliver facility

Phase 4: Closeout/Termination

- Training operators
- Reviews and Acceptance
- Run up Capacity
- Transfer materials
- Settle all accounts
- RE-assign remaining team
- Archive lessons learned
- Close all records
- Deliver Final Report and transfer responsibility