



### Potential Advantage of Using Concurrent Engineering

- Faster time to market which results in increased market share.
- Lower manufacturing and production costs.
- Improved quality of resulting end products.
- Increased positioning in a highly competitive world market.
- Increased accuracy in predicting and meeting project plans, schedules, timelines, and budgets.
- Increased efficiency and performance.
- Higher reliability in the product development process.
- Reduced defect rates.
- Increased effectiveness in transferring technology.
- Increased customer satisfaction.
- Ability to execute high level and complex projects while minimizing the difficulties.
- Shorter design and development process with accelerated project execution.
- Higher return on investments.
- Reduction or elimination of the number of design changes and re-engineering efforts at later phases in the development process.
- Reduced labor and resource requirements.
- Ability to recognize necessary design changes early in the development process.
- Increased innovation by having all players participate in the concept development phase.
- Ability to design right the first time out / First time capabilities.
- Overlapping capabilities and the ability to work in parallel.
- Increased cohesiveness within the firm.
- Improved communication between individuals and departments within the firm.
- Lower implementation risks.
- Faster reaction time in responding to the rapidly changing market.
- Lower product and process design and development costs.
- Improved inventory control, scheduling and customer relations.

---

[Back](#)