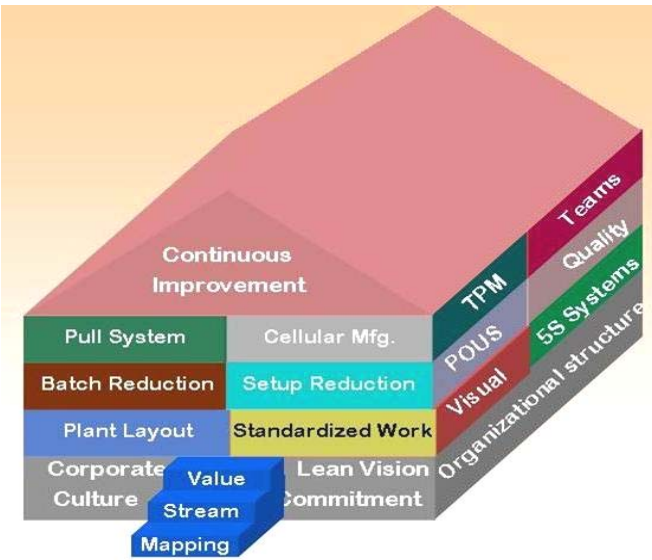


About Lean Institute

The Lean Institute at Old Dominion University was established in 2005 to provide cutting edge research, training and implementation effort for productivity enhancement, to help local industries achieve higher efficiencies.

For more information visit,
www.eng.odu.edu/lean/

House of Lean



www.eng.odu.edu/lean/

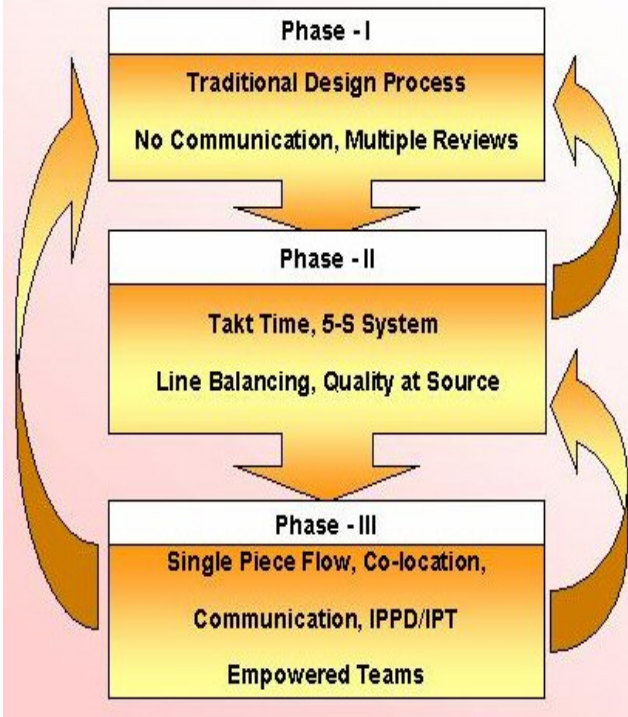
Dr. Alok K. Verma, P.E., CMfge
Ray Ferrari Professor and PI SBRCRD Project
Director - Lean Institute
Engineering Technology Department, KH-214
Old Dominion University, Norfolk, VA 23529
Phone (757) 683-3766
Fax (757) 683-5655
e-mail averma@odu.edu



Lean Design Simulation

Engineering Design Process is a complex activity in which products are designed and engineered or existing products are re-engineered to give optimum results. This process may take anywhere from one week to several years to complete, and may involve a number of people, calculations, analysis and reviews. The simulation demonstrates how Lean tools can improve efficiency of design process in a learn by doing environment. Participants design a container ship during the simulation.

Simulation - Phases



Integrated Product and Process Design (IPPD)



You will learn about:

- Engineering Design Process
- Iterative nature of this process.
- Participate in the simulation of the current state.
- How to implement Lean tools to improve process efficiency.
- Performance metrics for Design process (cycle time, lead time, reviews etc)
- Integrated Product and Process Design (IPPD) and Concurrent Engineering (CI).
- Implement Lean in phases and view the improvements.

Benefits

- Reduction in Lead Time / Cycle Time
- Reduction in number of reviews
- Reduction in transportation time
- Reduction in number of documents
- Improved communication
- Bottlenecks removed
- Better work environment

