



## Site/Infrastructure Planning

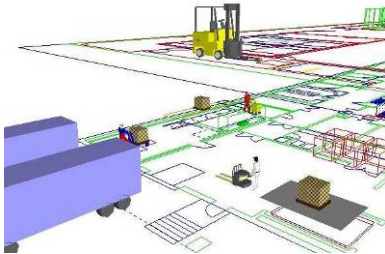
Lean Enterprise Consulting

### Client

Empresa Brasileira de Aeronautica S.A.

### Location

Sao Jose dos Campos, Brazil



*Lean Manufacturing  
Conceptual Diagram*

## Lean Manufacturing Training and Implementation

### Project Description

CH2M HILL Lockwood Greene conducted a Visioneering Session, an innovative strategic planning process, with Embraer's Aircraft Wire Harness Shop personnel. The purpose of the session was to identify improvement opportunities and to reengineer the manufacturing process of the wire harness assembly shop based on lean enterprise principles and techniques.

The team implemented the plan by physically rearranging the overall process layout improving product flow and reducing work-in-process inventory. Each individual workstation and the logistics of raw material replenishment were redesigned to reduce non-value added activity and optimize worker efficiencies.

Embraer also leased the CH2M HILL Lockwood Greene Lean and Agile Manufacturing Workshop for a period of two years and provided lean manufacturing training to over 3,000 Embraer employees at Sao Jose dos Campos facilities.