Case study

Project: VSM Consulting (Eagle Eye)

Client: Major industrial equipment manufacturer

Project objectives:
Validation of the production flow proposed by the client and formulation of recommendations for modifying this flow, using VSM.

Initial situation:
The client produces and repairs complex industrial equipment as well as their subassemblies. The section's production is very diverse, with most of the products being at the level of single units or small series. All types and sizes are produced, successively, on the same machines. This situation is a significant factor limiting the capacity and production rate.

Main activities:

1. Visiting the production process

2. Creating the Value Stream Mapping (VSM)

3. Analysis of the problems generated by the manufacturing flow proposed by the client

4. Proposing solutions to improve the manufacturing flow proposed by the client

Results:

1. Identification of opportunities to increase production capacity, from the project phase:

a. Construction of a clean room (thermal pane) where a 3D (digital) measuring equipment will be located with the help of which the complex measurements will be carried out

b. Definition of two parallel production flows, one for small-sized engines and the other for large-sized engines.

2. Adjustment of the production flow from the project phase and optimized placement of the equipment in the new locations.