

CAD/CAM STRATEGY DEVELOPMENT

BACKGROUND

Aeronamic successfully develops, manufactures, tests and maintains complete high-speed rotating systems for the aerospace industry. It is a Dutch high-tech company with state-of-the-art capabilities and facilities in Almelo and Sîbiu (Romania). Aeronamic has a strong focus on process control. It successfully applies the concepts of lean manufacturing and six sigma in its centers of excellence.

CHALLENGE

Strategic goal of Aeronamic was to significantly increase productivity and reduce lead time. Target set was to reduce the lead time from purchase order to first article inspection (FAI) to four weeks. Challenge for Manufacturing Engineering was to develop a CAD/CAM-strategy and implementation roadmap enabling the realization of this goal. Secondary goal was to prevent local decisions not aligning with the company vision. Settels Savenije PLM Services was requested to support Aeronamic.

APPROACH

It became apparent that the way to go was to adopt the concept of concurrent engineering. With this approach all disciplines involved in the manufacturing engineering process start their activities as early as possible and work in close cooperation. This guided the development of the CAD/CAM-strategy. Important assumptions in this approach were:

- 100% prepared
- one-way-of-working
- standardization and reuse
- integrated approach

For each area a *building block* was defined. Content of each block includes: current and desired future state, approach to achieve the targets set and the required implementation steps. The resulting actions have been set out in a roadmap for the next years.

RESULT

The CAD/CAM strategy and roadmap have been approved by Aeronamic management at company level and guides now decisions on projects and investments related to CAD/CAM and PLM. The strategy applies for all locations and accelerates decision-making. With this structured approach Aeronamic is step-by-step realizing its goal to increase productivity and reduce lead time.

MORE INFORMATION?

Want to know more about our expertise and what we can do for you? Contact Wim Ottenhoff, Managing Consultant settels savenije PLM services, telephone: +31 6 221 58 720

AERONAMIC



Our role

- Inventory current and future state
- Develop CAD/CAM roadmap
- Create deployment material
- Communication to organization

BB 1 CAD/CAE Development	BB 2 3D CAD & GD&T input	BB 3 CAD/CAM- integration	BB 4 CMM
BB 5 Tool Data Management	BB 6 Manufacturing Automation	BB 7 Knowledge Based Manufacturing	BB 8 Integrated Data Management

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