

ADDITIVE MANUFACTURING EUROPEAN FORUM: MANSYS PROJECT SUMMARY

9 November 2016

Albert Borschette Congress Center (CCAB), Rue Froissart, 36 1040 Brussels (Belgium)



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CORDIS

Community Research and Development Information Service



ManSYS:

MANufacturing decision and supply chain management SYStem for AM

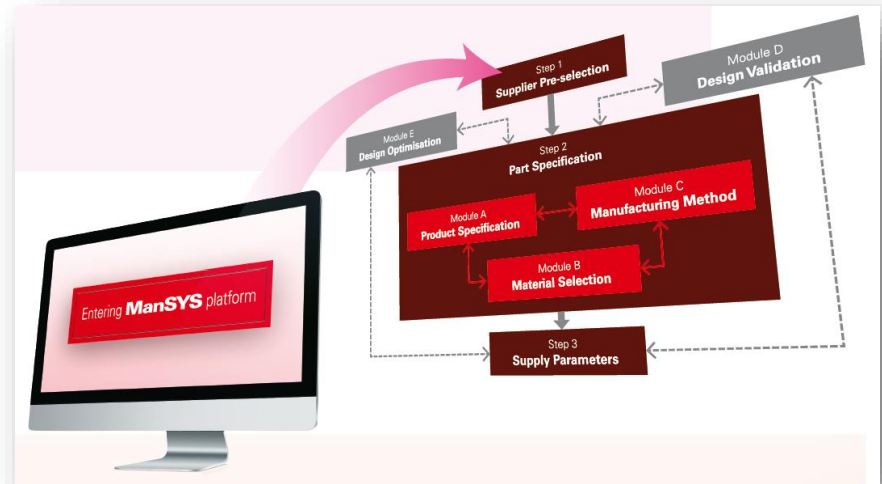
- **FoF.NMP.2013-9:** Advanced concepts for technology-based business approaches addressing product-services and their manufacturing in globalised markets
- **Total cost:** EUR 4,405,531,92
- **EU contribution:** EUR 2,925,000
- 12 European companies from 8 countries
- **Industrial focus:** Aerospace (GE), Medical (S&N) and Dental (WIS/TWO) applications
- **SME focus:** bringing expertise in machining, powder, SLM production and end use (BCT, LPW, POL, WIS, TWO)



Project Aims and Results

Aims:

“A complete decision making system and robust supply chain management system for metal AM; enabling the production and delivery of quality assured, highly customized products and services”



Three key results were developed:

- I. **Decision support software** - Where users decide AM suitability (Automated thin wall, size and part error detection)
- II. **Supply Chain Management system** - Allowing ‘easy’ adoption and management of AM production (86% improvement in total purchase ordering to delivery period)
- III. **Facilitation of the co-evolution of better or new products** - User oriented high value added solutions through design optimization (75% weight reduction in Aerospace bracket)

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**Thank you
for your attention**

