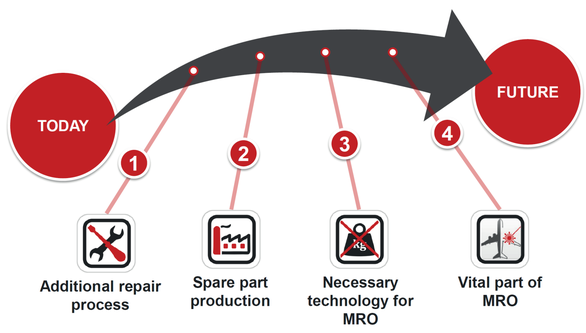
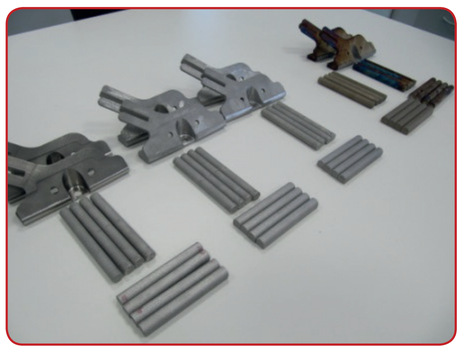
RepAIR

Future Repair and Maintenance for Aerospace Industry and Aeronautics & Air Transport

FOCUS

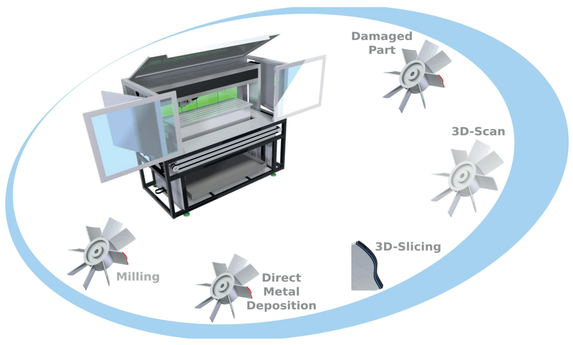
Onsite maintenance and repair of aircraft by integrated Additive Manufacturing technology (direct digital manufacturing)

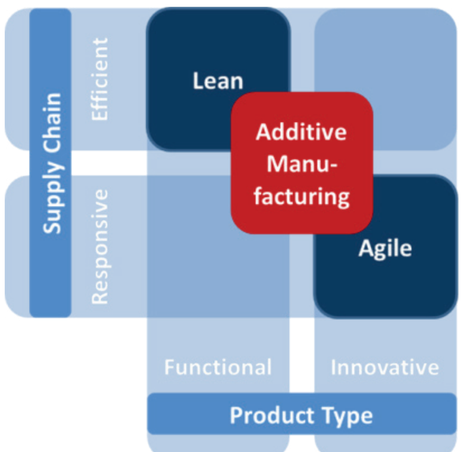




MAIN AIM

Shift the “make” or “buy” decision towards the “make” decision by 30% repair and overhaul costs reduction in the remake and rework of spare parts and by 20% reduction of spare parts turnaround time





OBJECTIVES

- MRO costs reduction by automation level increase and reduction of the spare parts production stages (by a complete production and supply chain integration)
- Significant storage costs reduction (only the raw material needs to be stored)
- Flexible availability (even at the gate) allowing on-time maintenance.
- 30% Reduction of inspection time by integrating continuous health management and usage based prognostics
- Shortening of the entire spare parts supply chain
- Decrease certification effort for AM AAT spare parts by an integrated quality control and process data monitoring
- Green approach to the environment (80% scrap and toxic chemicals reduction and min 20% part weight reduction)

www.rep-air.eu

@FP7_RepAIR

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