



# Lean robotized AssemBly and cOntrol of composite aeRostructures

**LABOR** targets the automation of many assembly sub-operations of aircraft manufacturing, as drilling, inspection, sealing and fastening, by proposing a novel lean robotized approach.

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## Conventional assembly processes of regional aircraft



## Main achievements of the **LABOR** project

Smart tooling

Cooperative robots

Human-robot coexistence

Drilling tool

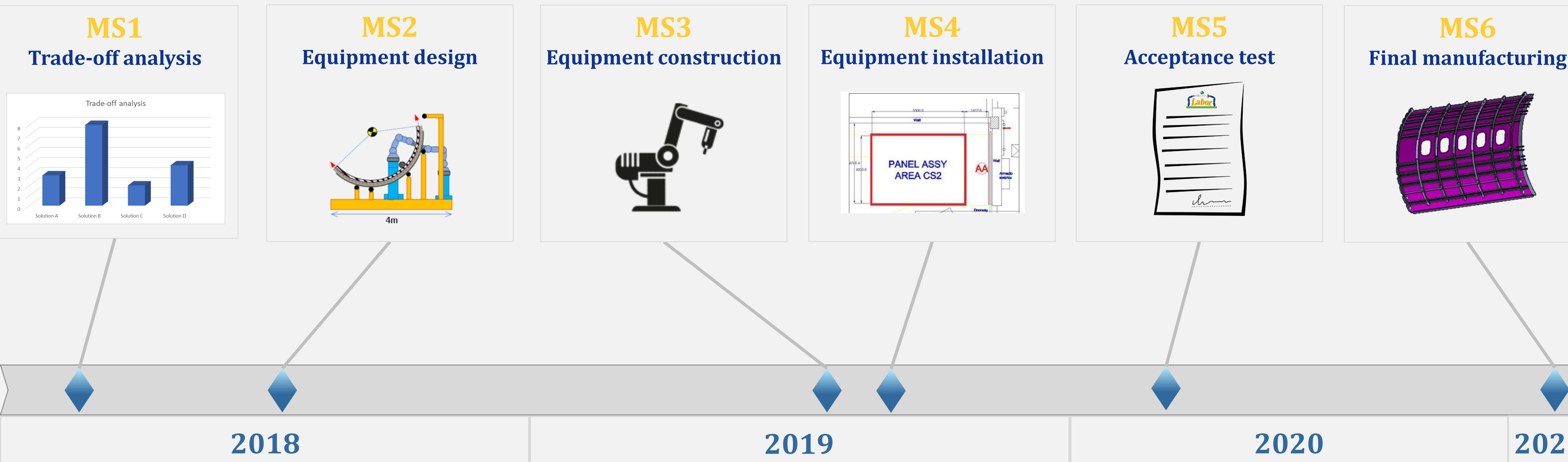
Fastening tool

Sealing tool

Inspection tool 1

Inspection tool 2

Counterthrust tool



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