









# Demonstrator 2b

## Straight build and bolting

-  High vibration – result of swash, concentricity and runout
-  High product test reject rates and on-test rework
-  Non-standardised BOM
-  Tooling complexity/assembly methodology
-  Manually intensive
-  Waiting time and unpredictability
-  Precision assembly of heavy items
-  Safety critical/regulatory

Rolls-Royce plc (UK)

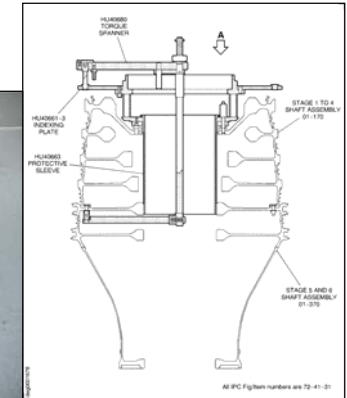


Figure 1: Current clamping rig and bolting

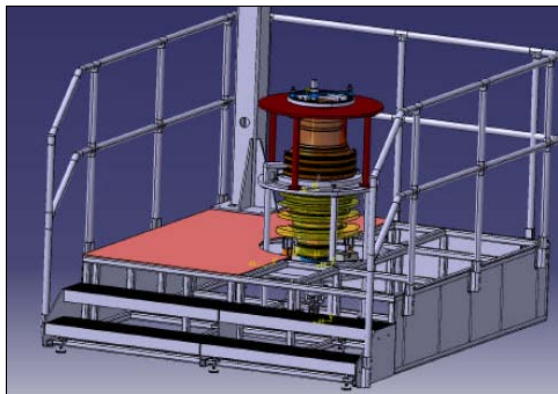


Figure 2: Proposed solution

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Workstation for repeatable and consistent automatic clamping, bolting and runout checks. Supported by a PLM system with new measurement recovery capability and alignment prediction software.

