

MSD Design Awards

Client: **Airbus**
Designer: **Airbus and suppliers (collaborative approach)**

BEFORE



Awkward working posture

Several small components needed fitting

Awkward working posture

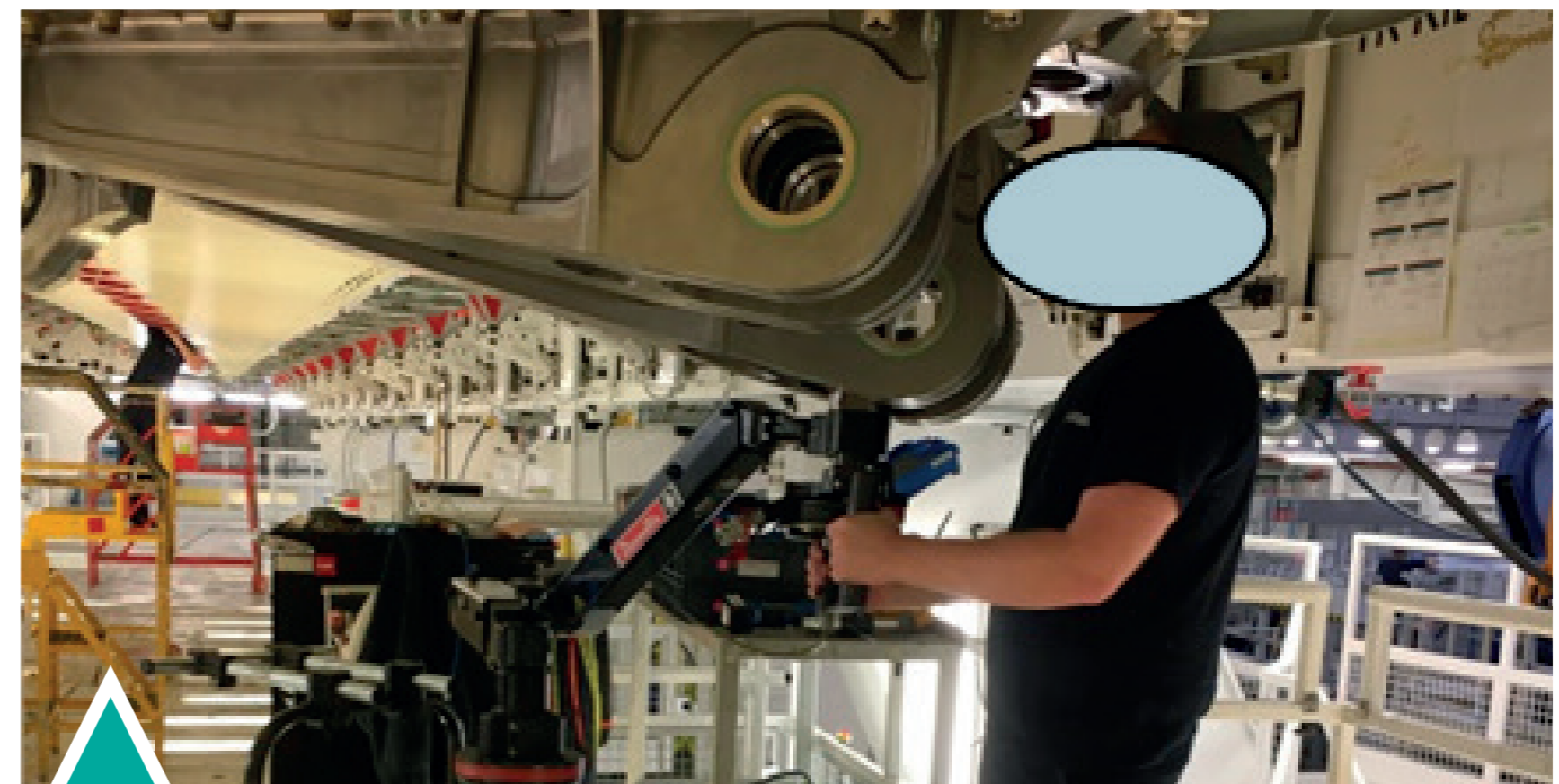
Final bolting required high torque to be applied manually

AFTER



Work sequencing changed. Components fitted to the rib away from the production line on a mobile and height adjustable workstation

Rib can be slid directly from the transportation trolley without lifting or carrying



Bespoke tool developed, and mounted on an anti-gravity arm

Tool is fully adjustable to the bolts and allows the operator to stand in a neutral position



“The new Zero-G arm supports the weight of the tooling and allows us to bolt up with a lot less effort.”

“Success story. Easy to use and low maintenance.”



AIRBUS