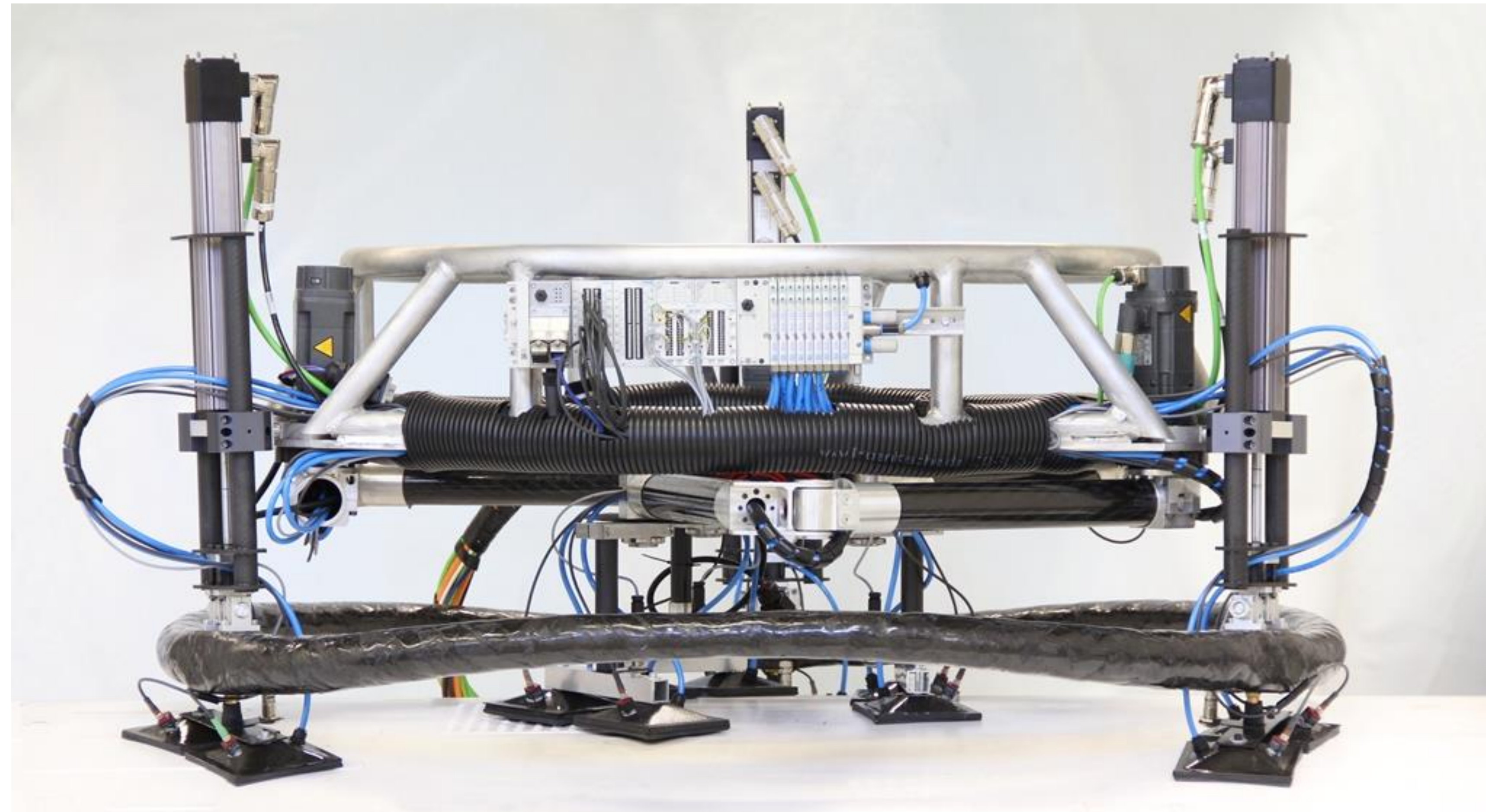


# Thermographic crack detection and mobile robot for aircraft inspection

Development of a robot-based non-destructive testing and inspection system for defect detection on the outside skin of commercial aircraft



Robot with vacuum feet



TCD system



Crack detection in aluminium

## Project objectives:

- Development of a (partially) automated system for non destructive crack detection on metal fuselages
- Inductively excited detection area
- Detection of cracks by thermography
- Other applications for composite materials (CFRP & Glare) are planned for subsequent investigations
- Research project in collaboration with the Hamburg University of Technology and industry partners



## Key customer advantages:

- Performance improvement during visual inspections and non-destructive testing
- Shorter ground times
- Standardization of the inspection process



More mobility for the world.



**Lufthansa Technik**