



OPEN DAY CERN,

19-20 SEPTEMBER

2019

Services



DIMENSIONAL INSPECTIONS

Since the year of his foundation (2001) Axist core business is related to dimensional inspections, carried out mainly at customer premises.

The company rely on an extended number of instrument to cover every possible application. The choise of the best combination of instrument and software is the the result of the analysis of the requirement and the constrains of every application and is based on the long experience and skills of the team.

Axist is one of the largest company in Europe for this specific field and has several operative sites in Italy and a sister company in the Emirates.

Axist also has an in-house technical department that designs specific tools needed for any kind of measurement.



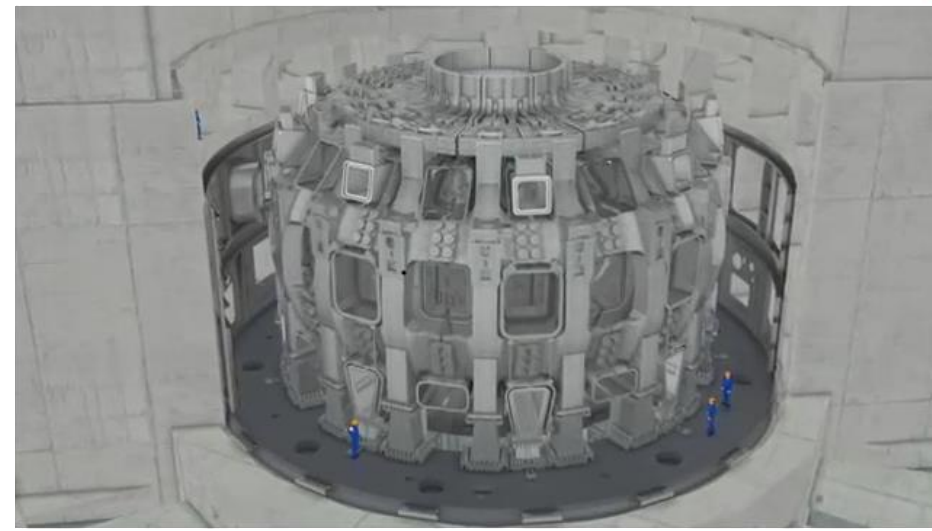
FIELDS OF ACTIVITY



Aviation



Steel Industry



Physics



Automotive



Oil&Gas



Telecommunications



Industrial Sites



Environment



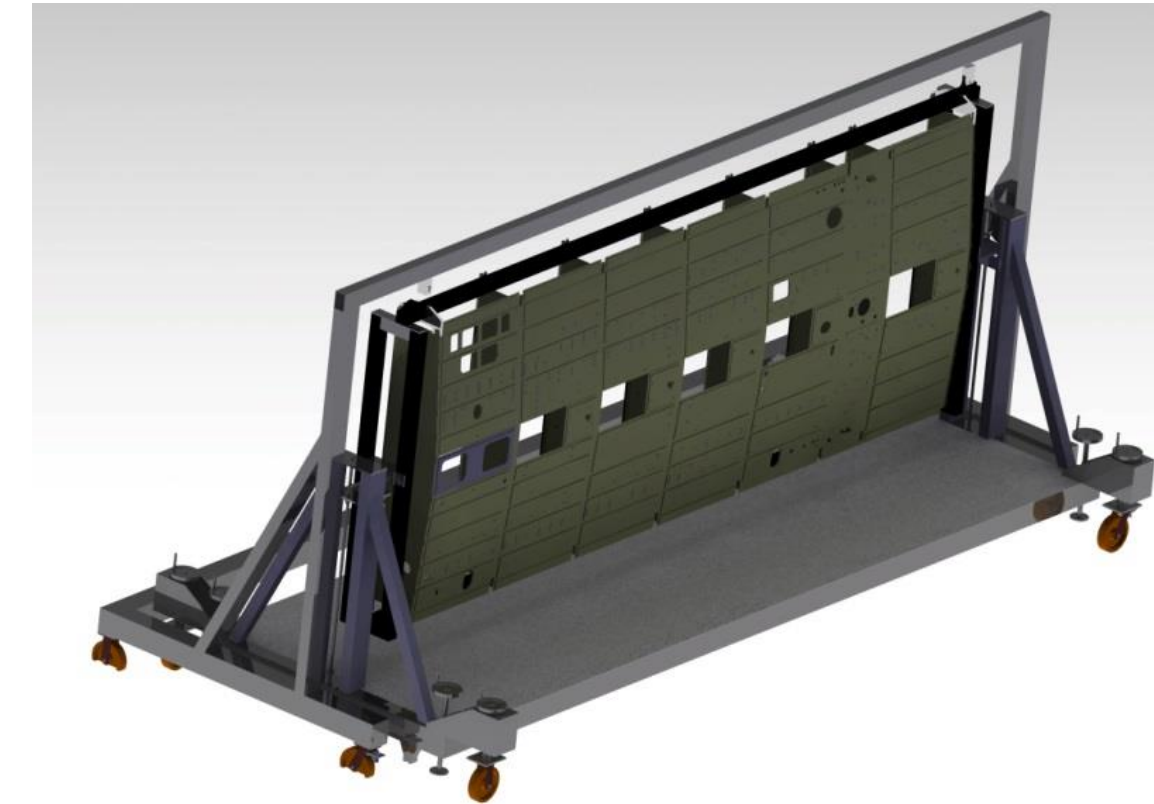
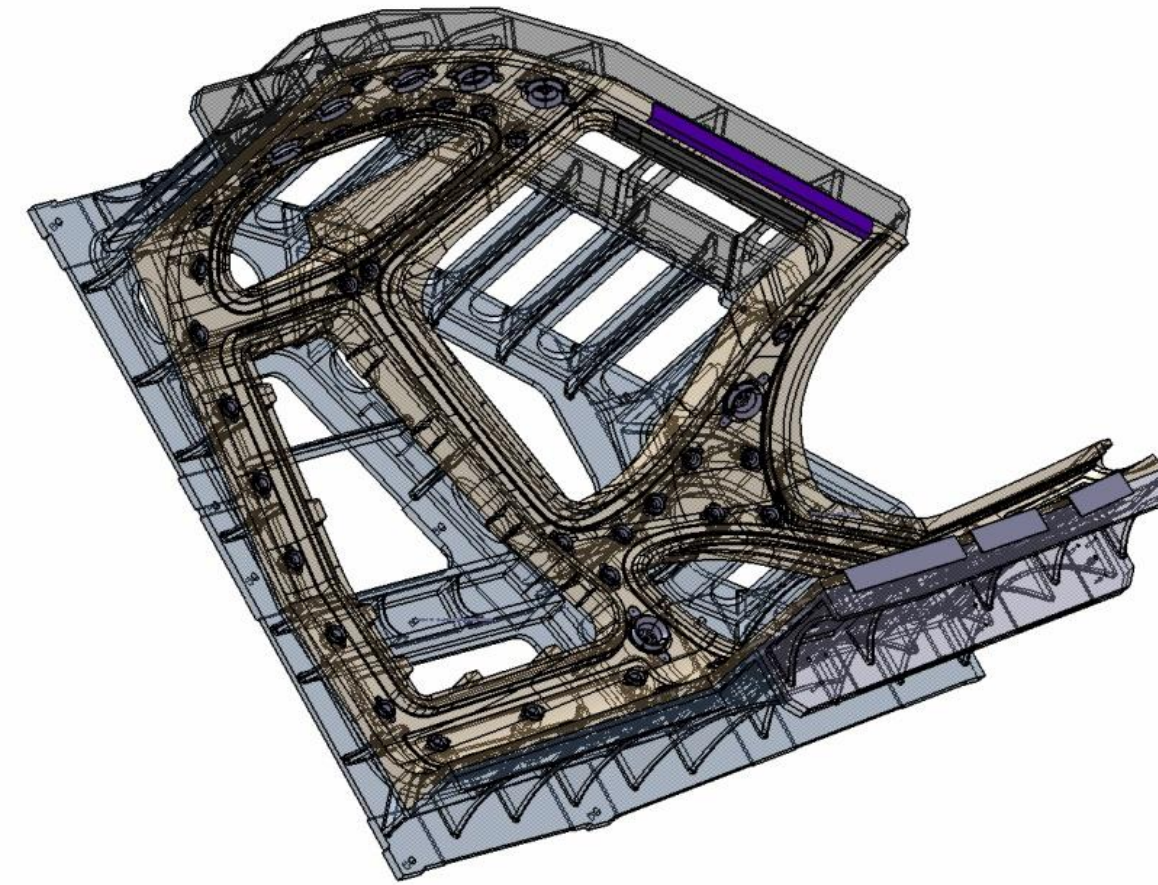
Civil Works

METROLOGY INSTRUMENTS



Services

TOOLS DESIGN AND ASSEMBLY



Many of the inspection work we need to perform need special tools to be provided.

Axist has his own department to design tools taylored for the application using the most used solid modelers in the market.

The engineers are able to propose technical improvements or even major changes on customer tools, according to the measurement report.

Axist uses and distributes technologies that can be coupled with dimensional instrument, such as laser projects or augmented reality.

Products

ROBOTICS FOR METROLOGY

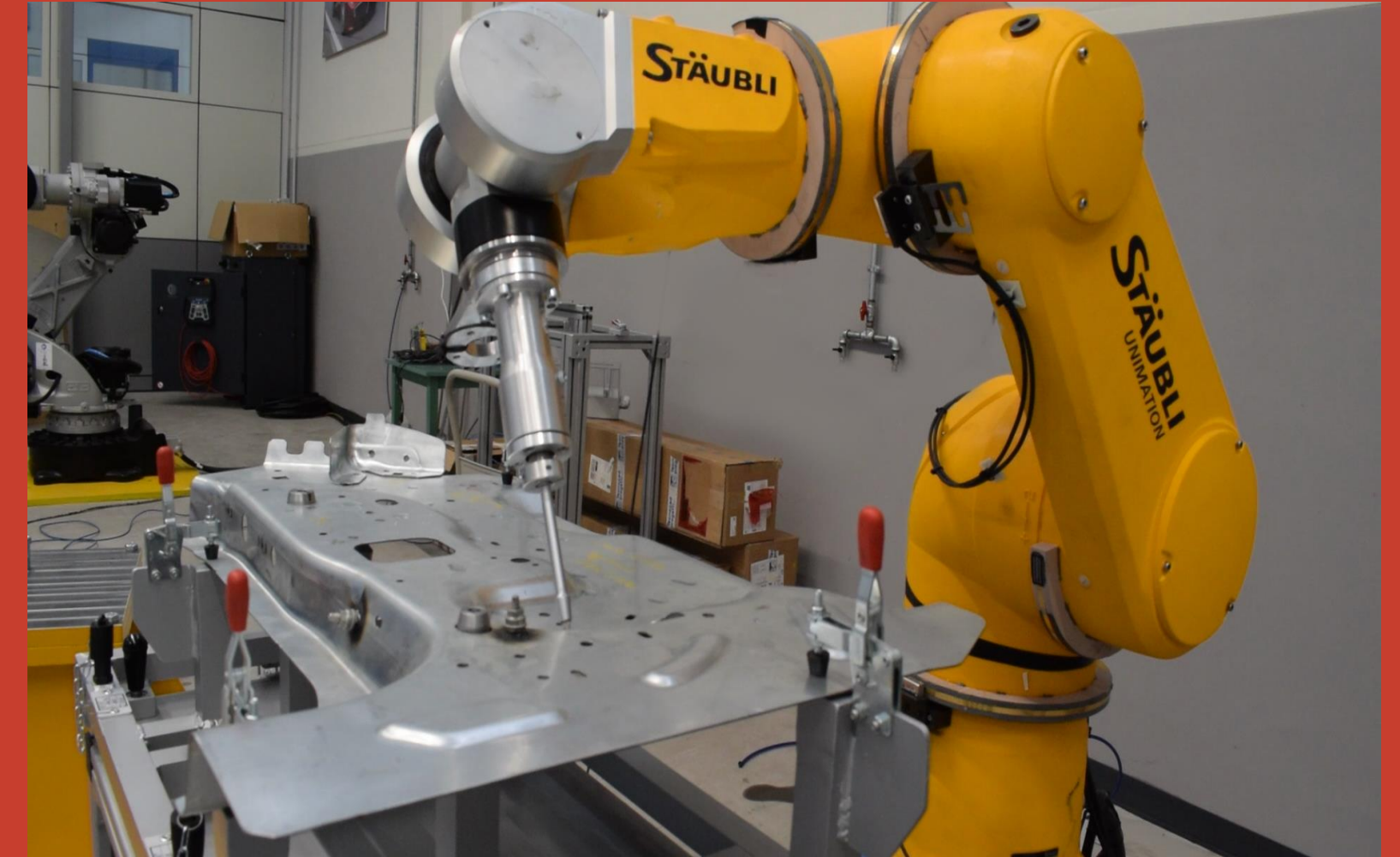
Axist has his own team to develop automated inspection applications.

Robots are used to reach the entire volume of the part to be measured without any human intervention.

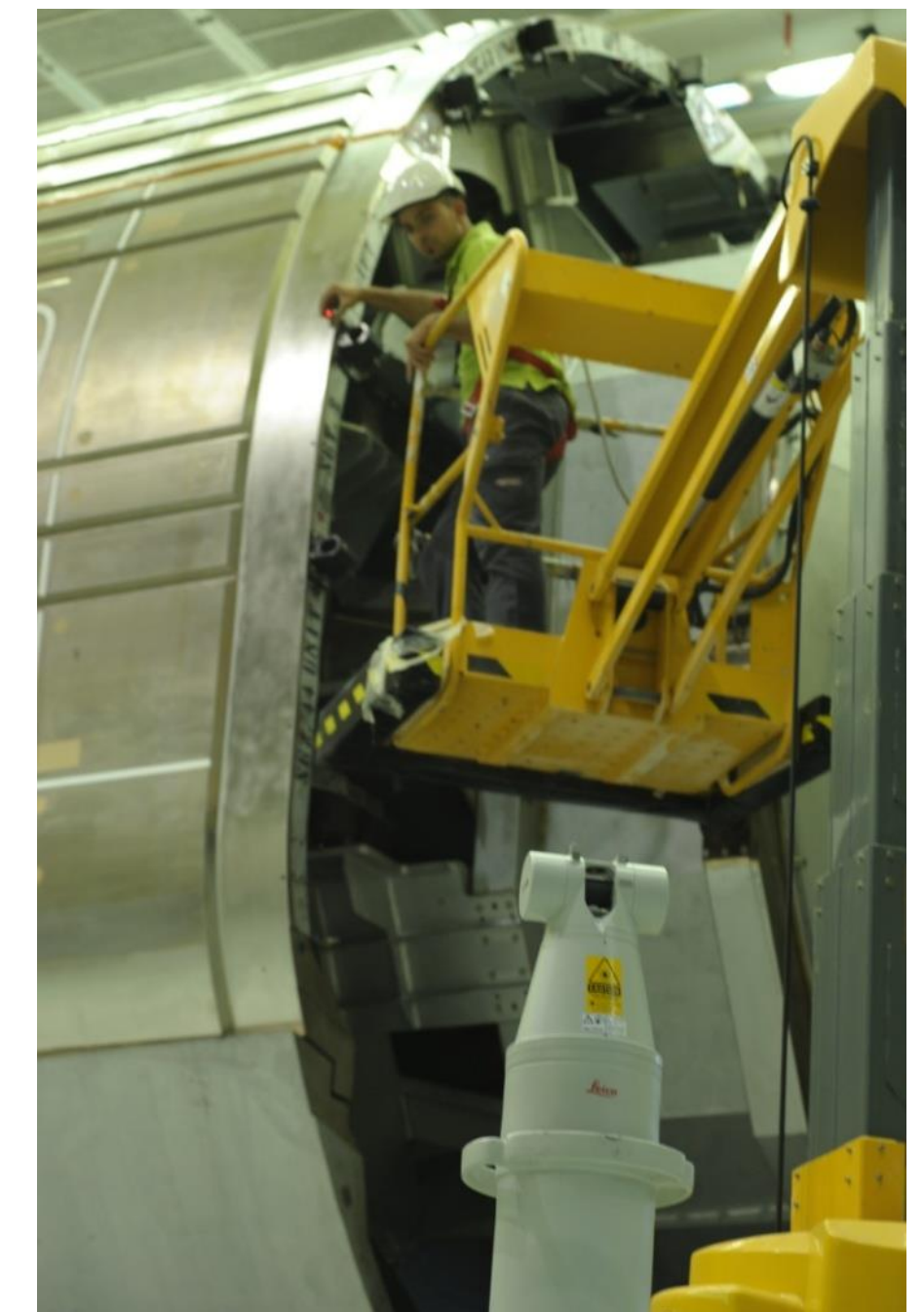
A special development has been carried out in the latest years regarding kinematics and dynamic compensation of commercial robots.

Besides, to increase the robot accuracy, additional transducers are installed on the robot joints.

Different kind of sensors can be used according to the parts, even optical sensors for glass measurements.

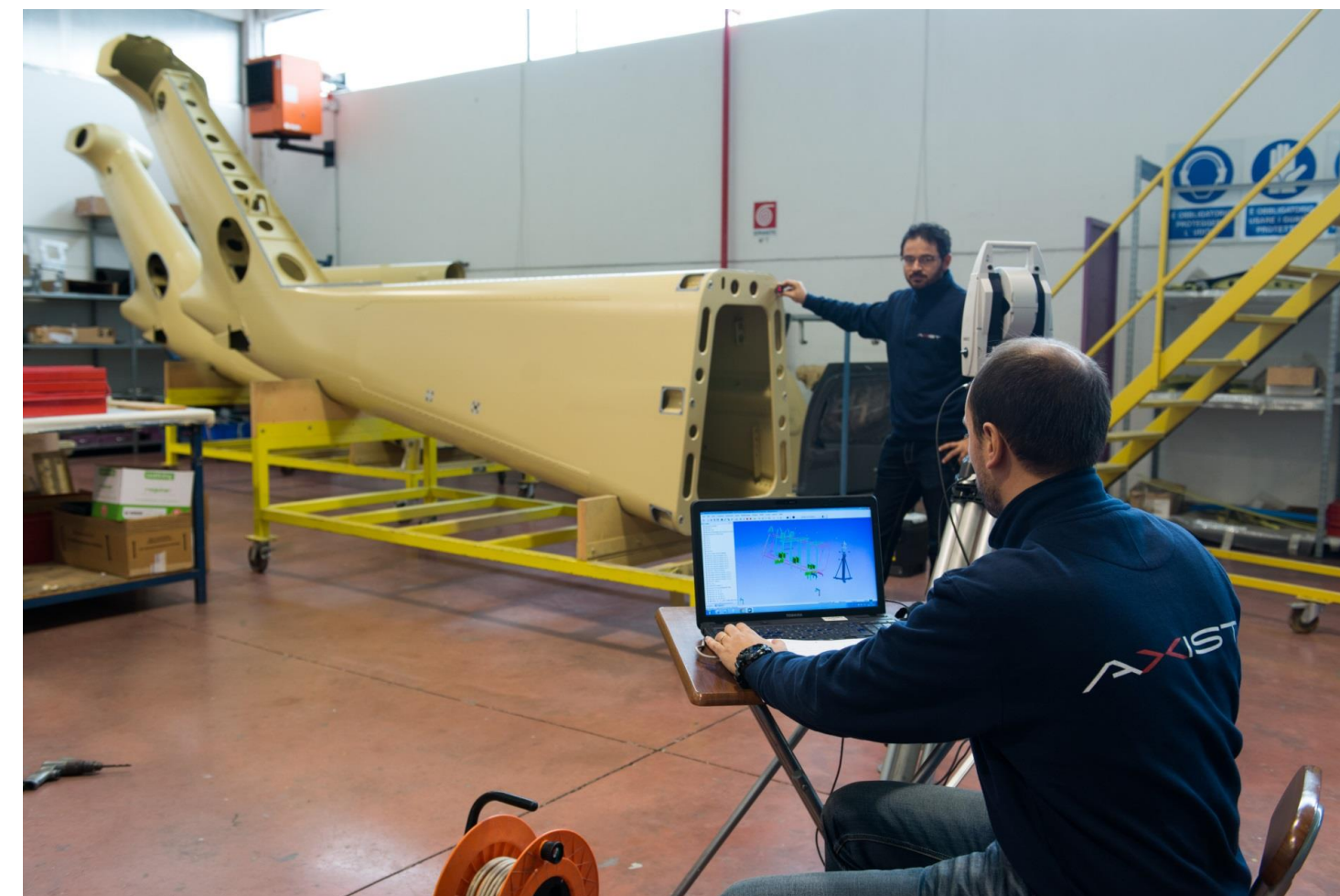


AERONAUTICS



Additional tasks can be covered for the aeronautical field:

- Inspection Plans and CMM part-programs
- Programming laser projectors for composite lay-up lines
- Assembly tools and measuring jig design
- Training on dimensional inspection softwares
- MRR: management of non conformities
- First Article Inspection





THANK YOU FOR YOUR ATTENTION

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