



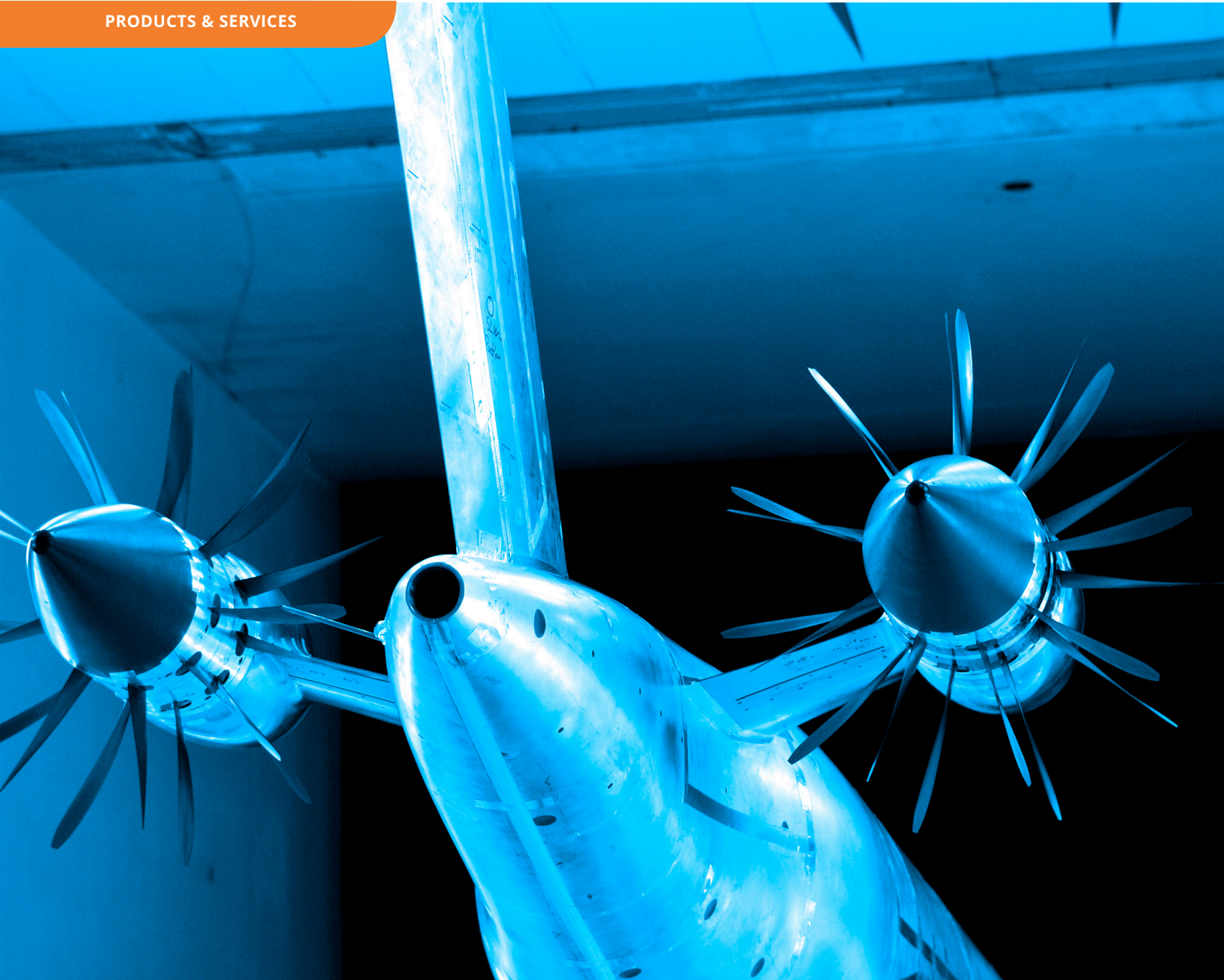
Accelerating  
the future  
of aerospace

AEROSPACE VEHICLES DIVISION

ENGINEERING & TECHNICAL SERVICES

# Engineering & Technical Services

PRODUCTS & SERVICES



Complex wind tunnel models and test equipment  
to support your R&D

**DO YOU NEED:**

- A fully instrumented wind tunnel model for subsonic or transsonic wind tunnel testing in ambient, cryogenic or icy conditions?
- Equipment for your wind tunnel or a high precision test rig?
- Accurate force measurement equipment, measuring forces and moments in one or more components?
- Design and manufacturing of your research models and equipment, beyond the capabilities of commercial production companies?





## WE HAVE:

The experience, know-how and equipment to provide you with a high quality, high precision wind tunnel model to minimize wind tunnel occupation time. Our models can incorporate smart features such as remote controls, rotating systems, turbine powered simulators, (carbon composite) propeller blades, fan blades, rotor blades, advanced instrumentation, balances, pressure rakes and telemetry systems.

The experience, know-how and equipment to develop and manufacture a wide variety of wind tunnel equipment, precision test equipment and instrumentation. This ranges from probes, single and twin stings, rakes, platform balances, to air pressure control units, engine test rigs and calibration rigs.

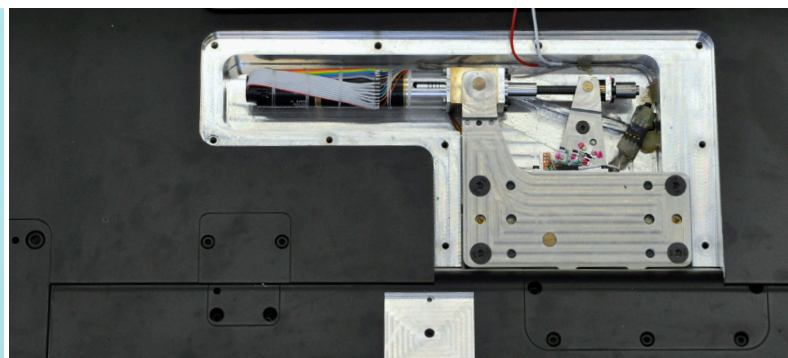
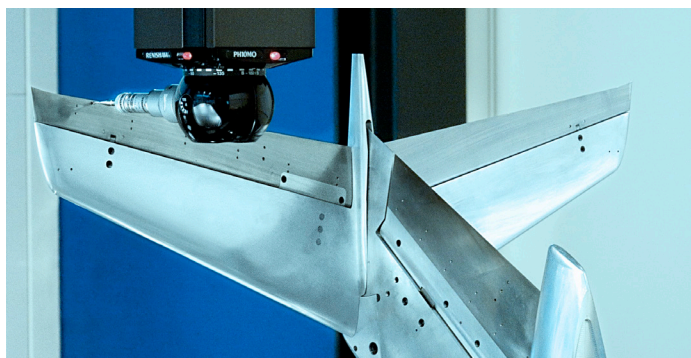
The experience, know-how and equipment to provide you with the design and manufacturing of highly accurate, temperature compensated balances, up to six components, ranging from large sting balances to small local balances and rotating shaft balances.

## WHAT IS NLR ENGINEERING & TECHNICAL SERVICES?

The Netherlands Aerospace Centre (NLR) is the key knowledge enterprise for aerospace technology in the Netherlands. It answers questions such as: how can aircraft be made more silent, fuel-efficient and safer whilst increasing capacity on the ground and in the air? How can you ensure that satellites remain at a constant temperature so they can continue to function efficiently?

NLR provides scientific support and technical assistance to aerospace industries and organisations, civil and military aircraft operators and government agencies all over the world. NLR is an independent non-profit organisation.

Engineering & Technical Services is a department of NLR supporting customers with design and manufacturing of test equipment, ranging from wind tunnel models to highly specific complex parts of larger test facilities. Together with the expertise available elsewhere within NLR, practical solutions can be delivered to fulfill your R&D needs.



## CAPABILITIES

NLR Engineering & Technical Services has the following capabilities:

- Execution of technical projects, with highly qualified specialists for applied research and project management
- Execution of technical design including stress analysis, using 3D design technology in CATIA.
- Manufacturing your test equipment using CNC programming, high-end 5 axis milling machines and a well trained staff of highly qualified dedicated technicians.
- In addition, the wealth of expertise built up over the years by the specialists of NLR's other divisions can be used to fulfill your R&D needs.