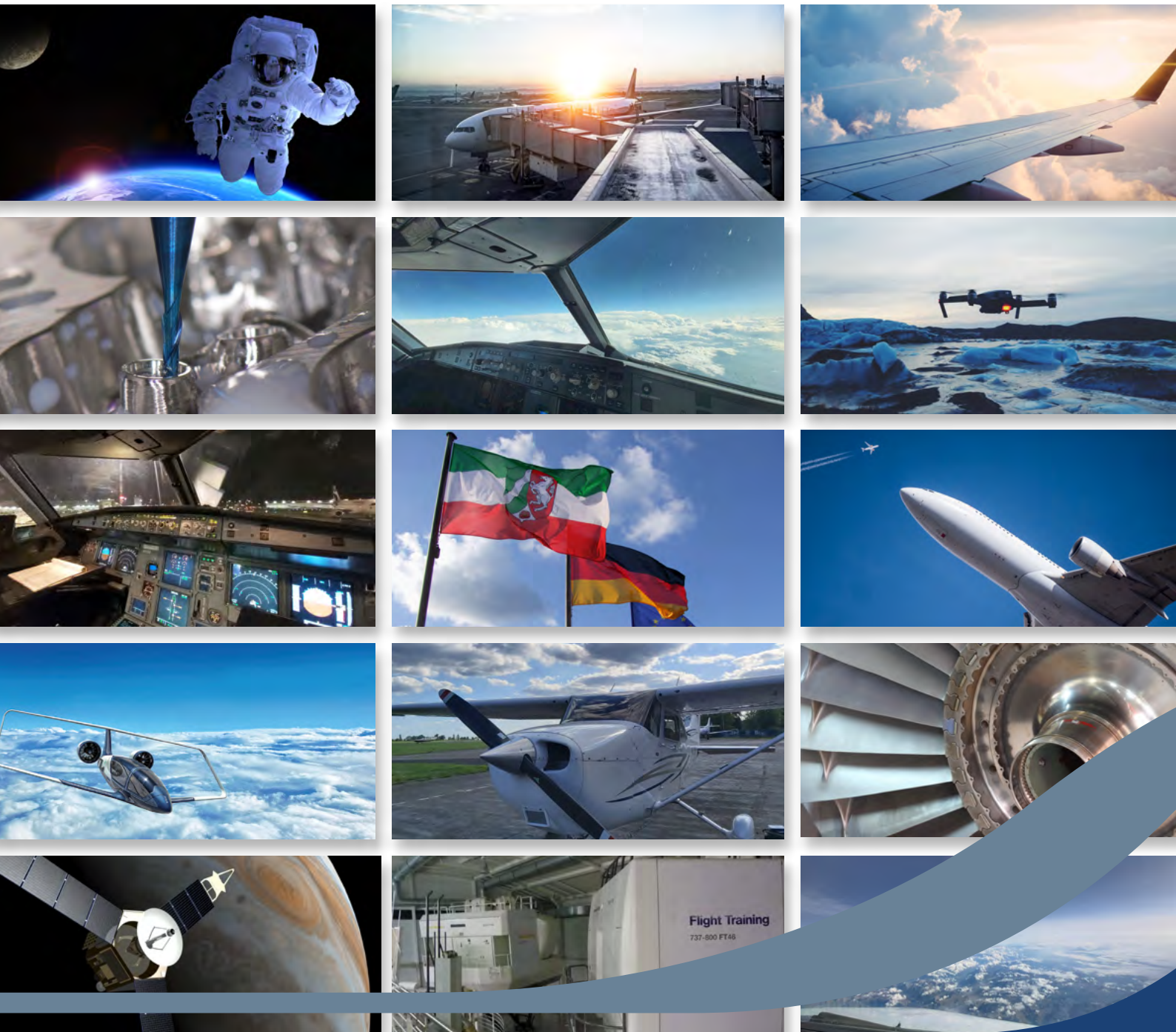


Aerospace Directory of companies and research facilities in North Rhine-Westphalia





Am Adels 2
40883 Ratingen-Hösel

+49 2102 706530
info@ralfjakubowski.de
www.ralfjakubowski.com

Ralf Jakubowski Design

Industrial design & design consulting

The design of products and interfaces has a decisive influence on the safe use of technology and on the recognition of innovations. In close cooperation with the development and in-house engineering of the client, sophisticated products have been created for many years, many times nationally and internationally awarded (including German Design Award, Red Dot Product Design, iF Award for Product Design, Good Design Award USA, ...). Main focus areas are industrial design and design consulting in the fields of aerospace, defence, naval and traffic technology. E.g. the design of aerospace components for civil and military applications, electroluminescent applications in aircraft interiors and exteriors. Products for use on submarines and naval vessels as well as laser and radar detection technology for traffic enforcement.

The scope of services includes the following elements:

- Consulting in product development and revision
- Development of problem analyses
- Consulting in questions of classical & cognitive ergonomics
- Development of design and product concepts
- Consulting in the development of the technical concept
- Shape, color and illumination design
- Product graphics and product typography
- Design of icons and user interfaces
- Creation of design technical documents & drawings
- 2D/3D visualization and animation (CGI)
- Supervision of model making and prototype production
- Project support from development to production

Clients e.g.: Business Units Aviation and Traffic Solutions of Jenoptik AG, Vincorion, Eaton Corporation and Rheinmetall AG.

✈ Aviation

Aircraft engines / associated parts
Aircraft interior
Aircraft manufacturing
Avionics / Instruments
Electrical and electronical systems
Ground systems
Materials, parts and structures
Mechanical and hydraulic systems
Mission systems / sensorics
Services - design and engineering
Services - consulting / other
Services - operative
Services - training / education

Autonomous aviation (UAS)
Future mobility
Start-up support
Sustainable aviation



Space

Avionics / Instruments
Electrical and electronical systems
Ground systems
Materials, parts and structures
Rocket engines / associated parts
Satellites / probes
Services - design and engineering
Services - consulting / other
Services - operative
Services - training / education
Space infrastructure

Commercial space
Space mining
Start-up support