

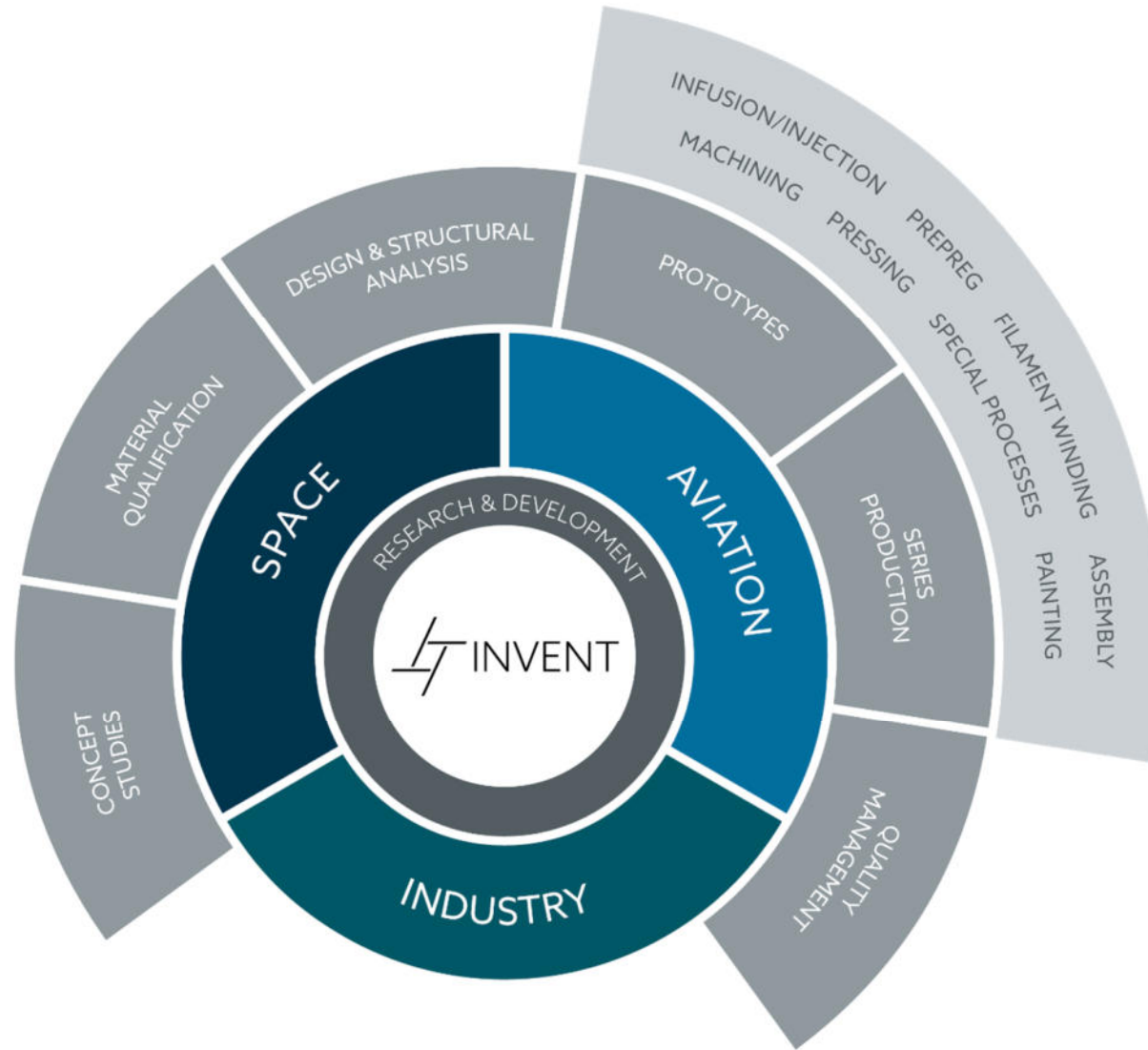


# INVENT Presentation

Stefan Steeger 11.2021



- Founded: 1996 as DLR Spin-Off
- Company: independent SME
- Business: development and production of innovative lightweight structures
- Markets: Space, Aviation, Industry
- Turnover: ca. 10 M€ in 2020
- Employees: ~100



- Development & qualification of functional components and structures
- Design of subassemblies
- Production from primary to various tertiary structures in composite and metallic materials
- Structure assembly by adhesive bonding
- Production of unique space materials (CCORE®)

Fig. 1: eROSITA telescope



Fig.2: ExoMars TGO structure

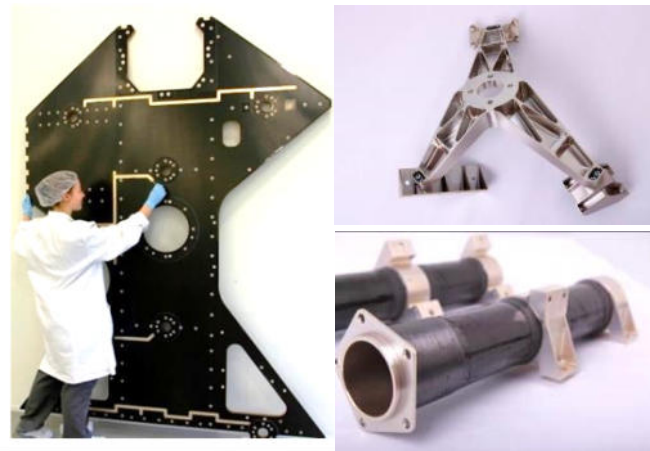


Fig. 3: Sentinel 4

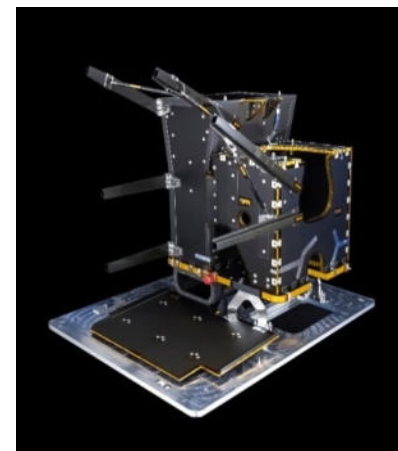
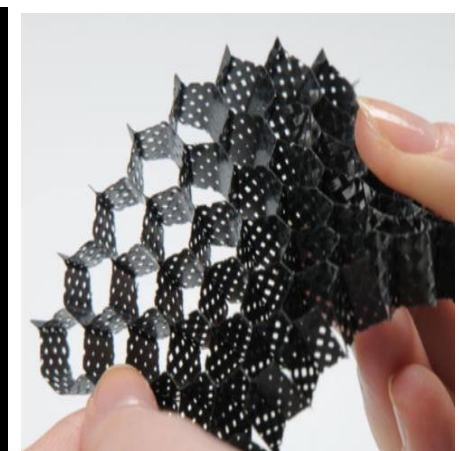


Fig. 4: CCORE®







- Structural parts ranging from commercial to general aviation
- Series production and individual conversion of qualified aircraft components
- Tier 1 supplier with 100% in-house process chain, from incoming-goods inspection up to final surface treatment
- variety of components:
  - primary and secondary structure elements
  - water tanks
  - crash absorption elements
  - skis for helicopters
  - interior paneling, climate tubes

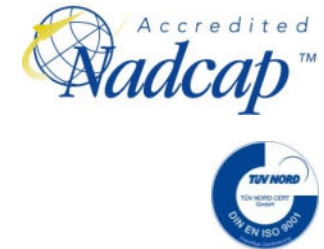


Fig. 1: tier 1 supplier for composite details on Airbus aircrafts



Fig.2: engineering and production of ski set for NH90



Fig. 3: CoAX 2D CFRP cabin production





- Development and production of individual components for industrial applications
- Concept studies, component qualification and consulting for lightweight constructions and material substitutions
- Functional structure integration and series production of piezo ceramic DuraAct® transducers for structural conformal sensing and actuation

Fig.1: Optical bench for Large Binocular Telescope (LBT)

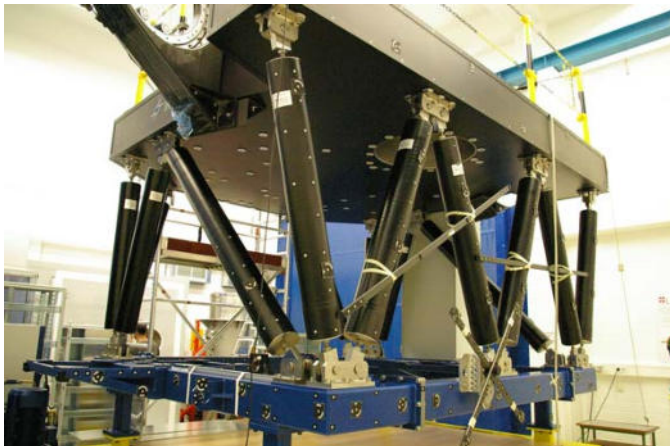


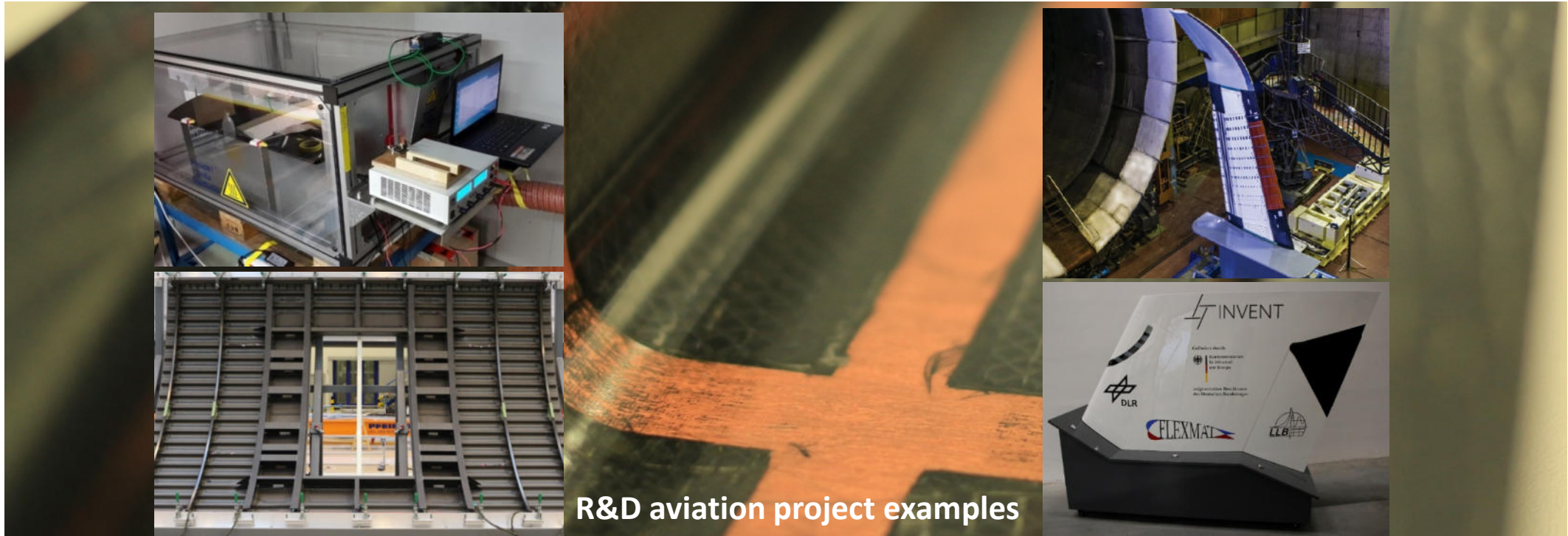
Fig. 2: Piezo transducer DuraAct



Fig. 3: Military bridges



- Cross-functional R&D team handles any kind of demand
- Distinct experience with national and European funded projects as partner and coordinator in the scope of administrative as well as operative challenges
- Focus on industrial pre-development of novel material systems and technologies
- Preparation of innovations for the deployment in production scenarios
- Heritage in the field of aviation, space, automotive, industrial applications, rail/ transportation, medical, functional integration, transducer technologies etc.







THANK YOU FOR YOUR ATTENTION!

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PASSION FOR COMPOSITES