EEE Parts Procurement, Engineering and Services for Ready-to-Use EEE Parts in any Space Application
Procurement and engineering services for EEE parts in space applications

» Largest procurement agent in Europe

» Service operating since 1972, procurement and service of more than 2,000,000 parts each year

» Strong team of experienced parts engineers

» Supply of EEE parts to more than 70 different customers in more than 20 countries worldwide

» Available facilities for inspection, DPA, failure analysis, long term storage and all other infrastructure for major EEE parts procurement
» Need to further industrialize space manufacturing is fact

» Shortage and quality issues of EEE parts is blocker for value stream

» World-leading Tesat Parts Agency and EEE-Centre competences assures high quality

» Volume-based procurement, engineering & services massively reduces costs and risk
### Procurement and Engineering for the Space Industry Worldwide

**Parts for Tesat-Spacecom Equipment**
- Procurement in advance
- Mostly RF-Equipment
- Almost all Grade 1
- Focus on Telecom

**Parts procured for Parts Agency Business**
- Procuring acc. Customers order
- Wide range of Applications
- Mostly Grade 1, some Grade 2
- For customers in all Space segments

**Centralized, Combined, Co-ordinated**
Space Missions Heritage (Examples)

MTG
Meteosat Third Generation

MPCV-SM
Multi-Purpose Crew Vehicle Service Module

ERA
European Robotic Arm

ATV
Automated Transfer Vehicle
Space Missions Heritage (Examples Cont.)

Galileo

Exomars

ISS

Juice

Jupiter Icy Moons Explorer
**Deliverables**

- Laboratory
- Quality
- Supply Chain
- Engineering

**Tesat Parts Agency**
Sales, Customer Interface and Project Management for EEE Parts-, CPPA- and Engineering-Projects (supported by EEE Centre)

**Tesat Sales**
Equipment & Subsystems

**Tesat Projects**
Organisation

**Tesat Equipment Customer**

**Tesat Parts Agency Customer**
SERVICES: PARTS AGENCY

» Experienced project managers with an outstanding space programs expertise

» Nominated and solution oriented point of contact for all topics

» Support in the area of EEE parts procurement, engineering and quality through the EEE Centre located in Backnang

» Access to EEE Centre expertise (at Tesat and Airbus DS)

» Procurement for Tesat equipment leads to the availability of a wide range of stock parts

» Fully space level parts

» Constant redesign and new developments
SERVICES: EEE CENTRE

» Schedule Control
» Export License Management
» Part Approval Document (PAD)
» Second Sourcing
» Technical Know-How
» Failure Analysis (FA)
» Technical Interface to Manufacturer
» Construction Analysis
» Customized Specifications
» Parts Selection
» Evaluation

» Obsolescence Management
» Incoming Inspection
» Alerts Management
» Source Inspection
» Supplier Evaluation
» Radiation Tests
» Destructive Physical Analysis (DPA)
» Tesat Equipment Assembly
BUSINESS UPDATE

» 2017 another successful year, Parts Agency orders of 40MEUR
» 19 experts in Backnang for Parts Agency
» 65 experts in Backnang for Engineering, Procurement, Quality and Labs
» Approx. 230 experts in EEE Centre multi-national

Frequently awarded for customer satisfaction:

Tesat Parts Agency was recently honored by Rockwell Collins as „Supplier of the Year“
CONCLUSION

» Tesat-Spacecom is a market leader for space equipment
» Worldwide customer base
» Competence as the leading Parts Agency
» Customers benefit of our experiences, our relationship to EEE parts manufacturers & our parts volumes

Our Customers focus on their Core Business.
We take care of the EEE Parts.
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