

SPACE PASSIVE COMPONENTS DAYS

1st International Symposium

Opening Messages

W. VEITH

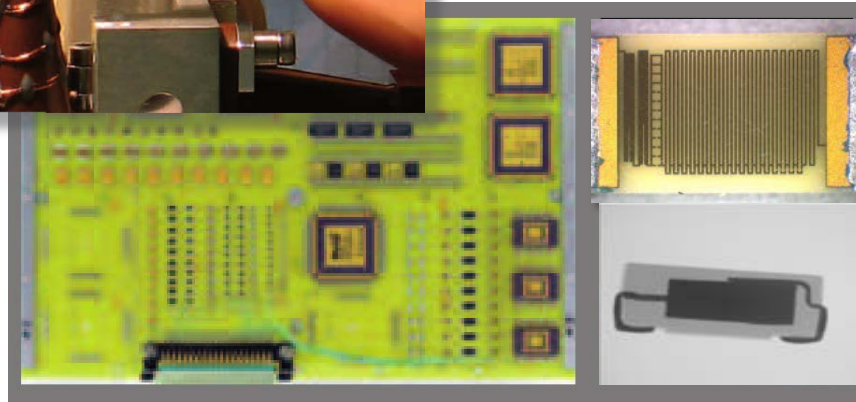
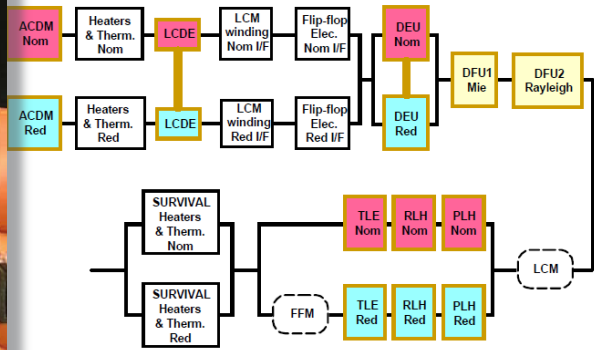
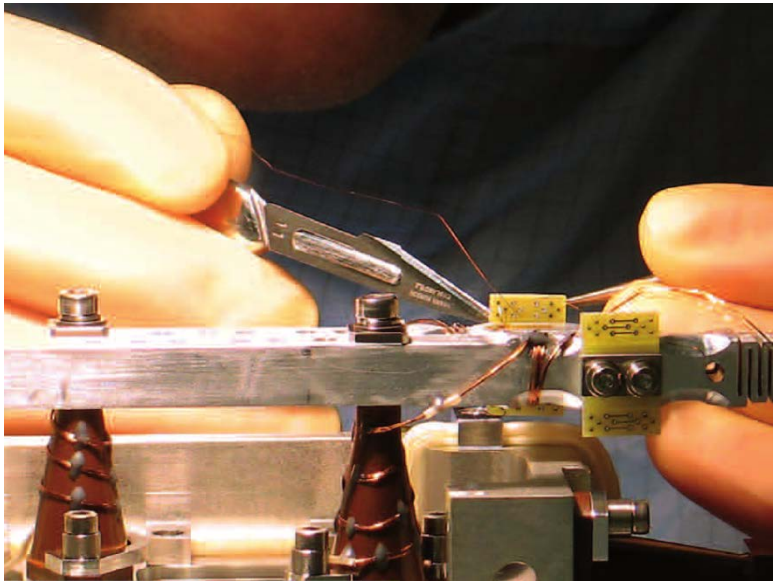
ESCC SCSB Chairman
Head of the Product Assurance and Safety Department,
D/TEC-Q

ESA/ESTEC - 24/09/2013

Mr. Wolfgang VEITH

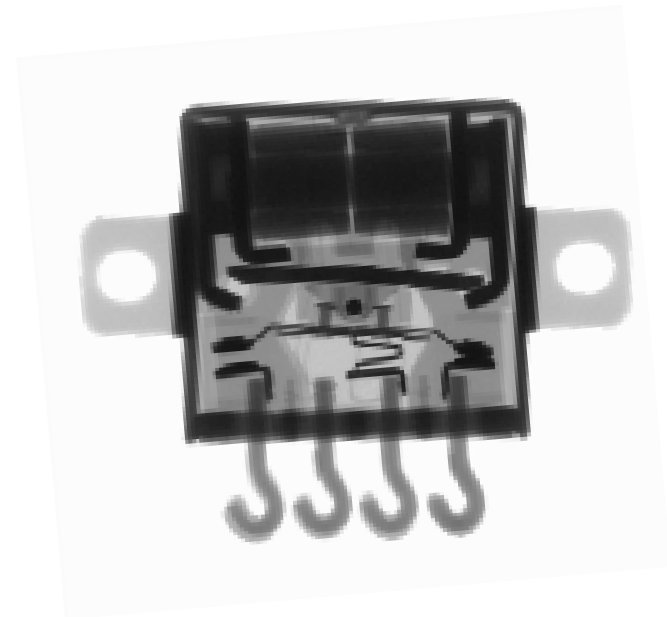
- Head of TEC-Q Product Assurance & Safety Department
- ESCC SCSB Chairman





- Provision of PA-staff to projects (PA managers and PA engineers). 30% of TEC-Q staff are already in projects
- Expert support in the areas of EEE-components, radiation, materials, cleanliness and contamination control, manufacturing/assembly (e.g. PCBs), supported by dedicated laboratories. This includes of course passive component support.
- RAMS (dependability and safety)
- Software PA
- Standardisation (ECSS-system; ESCC-system for EEE-parts)
- Quality Management Systems, incl. preparatory activities for certification of the Directorate
- Independent Safety Assurance

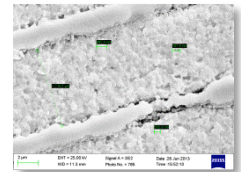
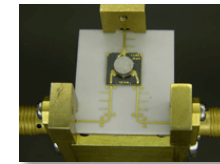
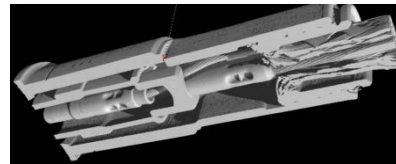
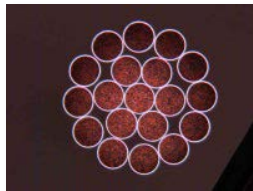
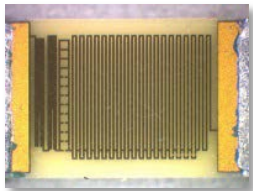
- Management
 - Reporting, Approval, Documentation control
- Evaluation
 - Testing: Characterisation, Process Validation, Failure Analysis
- Selection
 - Criteria & Rules
- Procurement
 - Specification & Inspection
- Use
 - Criteria, Rules & Controls
- Contamination control
- Electronic assembly
- Printed Circuit Board (PCB)



Main Activities : Project Support



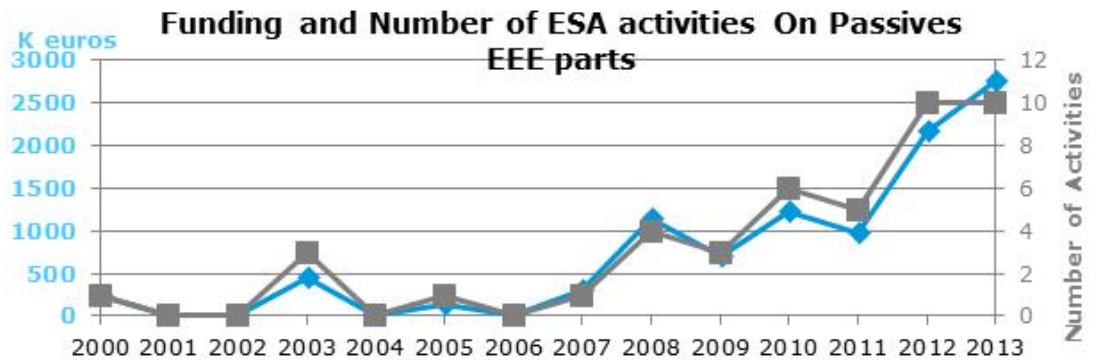
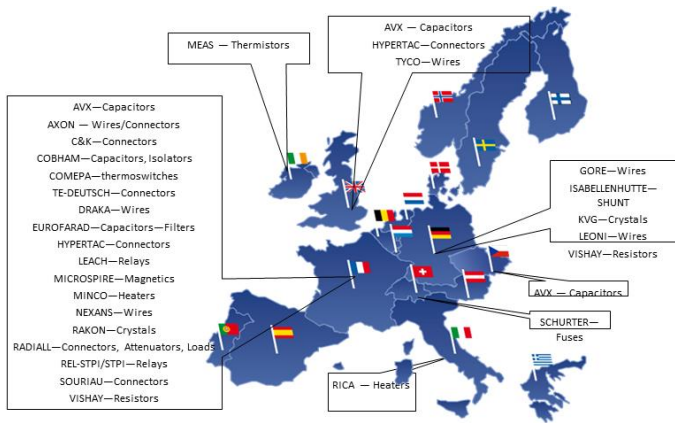
- On every project for any application
- Majority of components are passive EEE parts
- Potential Impact of REACH, WEEE, RoHS
- Might be subjected to exportation licenses
- Few ESA alerts (20% of EEE ESA alerts) but highly critical as often impacting all projects
- ESA Material and Electronic Component laboratories are fully equipped to support the whole passive EEE parts community and ESA projects



European Space Components Coordination (ESCC)



- Passive Components are the largest contributor to the EQPL
- Increasing European Landscape (France, Germany, UK, Ireland, Italy, Czech Republic, Switzerland, etc.)
- ESA actively supporting Passive EEE component development, evaluation and ESCC qualification : 27 Activities on going or to be initiated (TRP, ECI, ARTES, GSTP, Incentive Scheme for new ESA Member States)
- More Activities to come as per Passive Component Technical Board Roadmap



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