

## Professional Profile:

### Quality assurance of electronics

*Assessing and ensuring the quality and reliability of components and modules, with specialization in the global automotive industry.*



*Auditor with the DGQ  
Member of the DGQ, VDI,  
Tekom, ESD Forum e.V.,  
AIAG  
VDA6.3 Process Auditor  
Expert network and customer  
reference list on request*

## Expert Advice and Implementation

- **Component and Supplier Selection**
  - Drawing up component specification, with engineering and procurement
  - Creation and evaluation of decision matrix
  - Initial on-site supplier evaluation
- **Supplier Management**
  - Supplier development with focus on the automotive sector
  - Supplier evaluation
  - Supplier audits, QMS and processes
- **Component Submission and Approval – Preventive Quality Assurance**
  - Evaluation/testing of basic suitability for applications
  - Preventive quality assurance following the commonly used APQP flow
  - Planning and implementation of process audits (Wafer Fab/Foundry, Assembly Sites, Test Sites) focusing on semiconductors and modules. Tracking of improvements.
  - Risk evaluation based on DFMEA/PFMEA
  - Risk mitigation of critical components (Critical Parts Management)
  - Component release according to PPAP
- **Part Change Notification (PCN/PTN)**
  - Evaluation of PCN and PTN
  - Planning and coordination of qualifications
  - PCN releases
- **Component Failure Analysis**
  - Evaluation of 8D reports
  - Coordination and leading task force teams
  - Coordination with fault analysis laboratories
  - Assessment/Coordination of containment and corrective actions

## Knowledge and Experience

- Course of study in Mechatronics with subsequent hardware and software development of electronic devices and systems.
- Organization and management of editing technical documents
- Organization and management of a laboratory for quality and reliability of electronic assemblies, systems and devices.
- Long-standing experience as senior supplier quality engineer with an automotive supplier (Tier 1). VDA6.3 Process Auditor.
- Independent planning and implementation of all the above mentioned activities as German registered company.

## Areas of technical specialization

- Memories (SRAM, DRAM), specializing in managed NAND Flash (eMMC, SD,  $\mu$ SD)
- SIM cards and SIM integrated circuits
- Flat cable connection systems
- M2M modules
- and other electronic automotive modules and components