

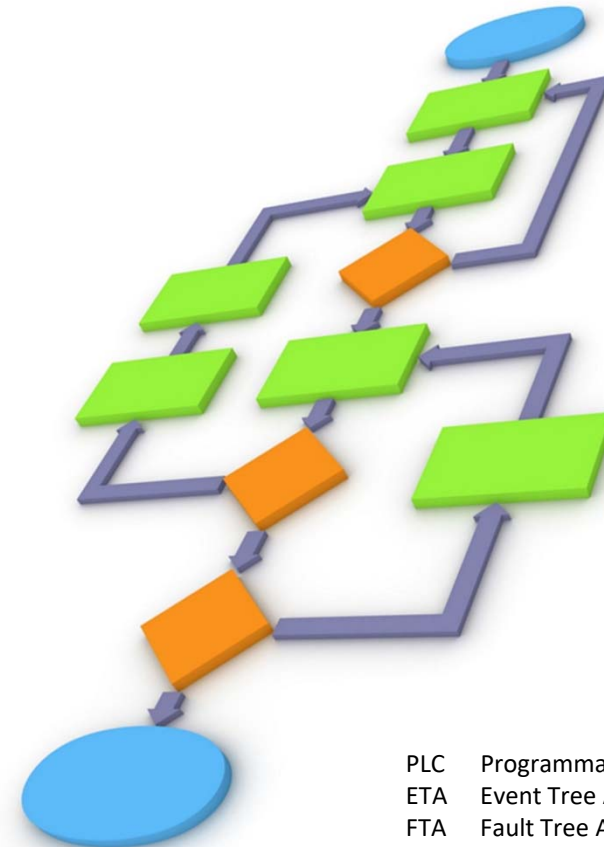
Safety analysis and safety devices of modern technical systems

Section 4

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(until 2013 Dipl.-Ing. Hans-Joachim Steinfeld)

Areas of Work

- ❑ Programmable, safety-related PLC automation system
- ❑ Safety analyses (PAAG, ETA, FTA, FMEA)
- ❑ Avoidance and control of systematic errors
- ❑ Reliability block diagrams
- ❑ PFD/PFH calculation
- ❑ Functional safety (DIN EN 61508)



PLC Programmable Logic Controller
ETA Event Tree Analysis
FTA Fault Tree Analysis
FMEA Failure Mode And Effect Analysis
PFD Probability on Demand
PFH Probability on Hour