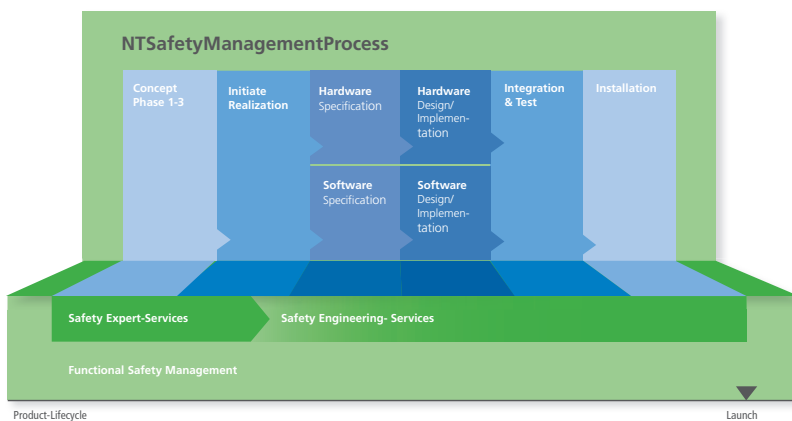




Expert- and Engineering-Services for Functional Safety according to IEC 61508

Safety is in the focus at NewTec. We help develop safety-related systems and components (up to SIL3) so that they are safe and reliable. Our experienced team of engineers specializes in safety analysis, safety planning and management, as well as safety validation and verification. We work closely with our customers and the certifying body to identify and reduce potential safety risks at an early stage. On the other hand, we want to ensure that their development conforms to all relevant safety standards and regulations (e.g. IEC 61508).



Expert- and Engineering-Services:

- Safety concepts
- Hazard and risk analyses (HARA, GuR)
- Safety analyses (FTA, FMEA)
- Requirements specifications
- Safety systems engineering
- Safety electronics-/ Software development
- Structure and function analyses
- Failure analyses (FMEDA, DFA)
- HW metrics

Safety-Management:

- Safety-Case
- Safety-Plan
- V&V-Plan
- Functional Safety Manager (FSM)
- Safety project planning
- Complete process support up to certification

Integrated process consulting: From a safety process to a safety culture

A safety culture means that a company has internalised the basic principles of safety by design and has developed a proactive attitude towards safety.

Our experts can help you establish the necessary changes in your company. We support you in the following areas:

- Process consulting
- Conception and cost estimation
- Safety competence building
- Education and training of methods
- Audits and assessments

