



DEPENDABILITY AND RISK DEPARTMENT

Main objectives and activities of the department

The Dependability and Risk Department was established in 2004. Since its inception, it has been focussed on the research and practical application of knowledge in the following areas:

- calculation of dependability and risk parameters,
- dynamic maintenance planning based on economic parameters,
- safety, dependability and risk analysis,
- life cycle cost analysis.

Professional focus of the department

The Dependability and Risk Department deals in particular with:

- economically-oriented maintenance optimization,
- monitoring the failure of components and functional units,
- calculation of reliability parameters using FMECA, FTA, ETA, RBD, etc.

Specific equipment

The following software tools are used for modelling and quantification of indicators:

- ITEM Toolkit (software package containing predictive and reliability modules),
- SPIDR reliability database,
- in house maintenance optimization software using the RCM method (maintenance focussed on reliability)
- SISTEMA – software demonstrating the level of functional safety,
- Risk Spectrum – internationally recognized SW for the analysis of fault trees.

Offered services

We have long-term collaborated with industrial bodies and offer consulting services and comprehensive solutions in the following areas:

- dependability and risk analysis,
- demonstration of the level of functional safety,
- optimization of maintenance and warehouse management,
- training for management and technical staff.

