

Risk Analysis Techniques in Engineering

Systematic methods of risk analysis and assessment

✓ About

The application of systematic methods of risk analysis and assessment today not only concerns high-risk areas but is required in almost all areas of technology. By reducing the risk of damaging property and the environment and, even more important, causing harm to people, you can automatically ensure the availability of technical systems and processes. Applying the right method of risk analysis that best fits the company's needs is a powerful tool to fulfill legal, social and economic demands in an increasingly complex environment.

The technical book Risk Analysis Techniques in Engineering provides you with a complete overview on proven methods of risk analysis and risk management. The established standard work of TÜV AUSTRIA Fachverlag makes the methods of risk analysis and risk management easy to understand and is, thus, a comprehensive basic work for beginners as well as a practical reference book for daily use. Current and new processes are explained in detail and supported by numerous practical examples of use.

✓ Content

- FMEA (FMECA)
- HAZOP
- Fault Tree Analysis (FTA)
- Event Tree Analysis
- Cause-Consequence Analysis und Bow-Tie Analysis
- 3-F Method
- Layer of Protection Analysis (LOPA)
- What-If, SWIFT Analysis, Check lists
- Human factor

✓ Target Group

- Risk Managers
- Engineers
- Technicians
- Plant Manufacturers
- Product Managers
- Process Managers
- Environmental Managers
- Quality Managers
- Legal & Compliance Managers





✓ **The Author**

Dipl.-Ing. Dr. Reinhard Preiss, Executive Business Director Industry & Energy, TÜV AUSTRIA



✓ **Product information**

Risk Analysis Techniques in Engineering
 1st Edition: 2020
 Format: 16 × 22.5 cm, 400 pp., softcover
 ISBN: 978-3-901942-82-2
 Price: € 94.18 (plus VAT and shipping costs)

✓ **Information and contact**

TÜV AUSTRIA Fachverlag, TÜV AUSTRIA Academy,
 2345 Brunn am Gebirge, TÜV AUSTRIA-Platz 1
 +43 (0)5 0454-8177
 verlag@tuv.at · www.tuv-academy.at

Order now: verlag@tuv.at · www.tuv-akademie.at

Risk Analysis Techniques in Engineering

Yes, we would like to order

..... copies of **Risk Analysis Techniques in Engineering at € 94.18 each** (plus VAT and shipping costs)

..... licences for the e-book **Risk Analysis Techniques in Engineering at € 94.18 each** (plus VAT)

Company	
Shipping address (street, number, post code, city)	
Billing address (if different from the shipping address)	
I want to be billed: <input type="checkbox"/> per e-mail to the following adress: <input type="checkbox"/> per mail	
Title	First name
Last name	
Position	Order Nr.
Phone	Date, signature
Personal E-Mail	

General Terms and Conditions: The General Terms and Conditions of Business as specified at www.tuv-academy.at/TaC apply. The prices for publications of TÜV AUSTRIA AKADEMIE GMBH are indicated in euro, and are subject to VAT and shipping costs. The invoice amount is payable within two weeks after receipt of the invoice. Until such time as payment is received in full, the product(s) delivered shall remain the property of TÜV AUSTRIA AKADEMIE GMBH.

Privacy. Your order details are used for the purpose of order processing and customer service. For details, please refer to www.tuv-academy.at/datenschutzerklaerung.

Data protection information according to Article 13 of the GDPR: TÜV AUSTRIA AKADEMIE GMBH uses your data for the processing of booked services and purchased products. The processing of this data is a necessary prerequisite for the completion of contract. Furthermore, your data is used for direct marketing purposes (communication sent via post and email as well as event invitations) on the basis of a legitimate interest. Please familiarise yourself with the full data protection declaration. You will find this at www.tuv-academy.at/privacystatement. If you do not agree to the use of your personal data being used for direct marketing purposes, please inform us of these by post at TÜV AUSTRIA AKADEMIE GMBH, TÜV AUSTRIA-Platz 1, 2345 Brunn am Gebirge, Austria or by email at akademie@tuv.at. Misprints and errors excepted.