



## **SAFE AND RELIABLE PROCESSES AND METHODS**

### Systematic hazard analysis / HAZOP / PAAG



Our safety experts comprehensively investigate all process engineering systems, while taking into account all significant hazards. In doing so, we rely on conventional methods, such as HAZOP, PAAG and failure mode effects analyses.

Checklist methods and HAZOP or PAAG studies have proven themselves as methods for determining the safety standards of existing or proposed plants. A team of various subject-matter experts prepares, moderates, and documents objective-driven safety review meetings.

Our services:

- Analyze and assess relevance for hazard sources
- Prepare systematic hazard analysis by incorporating all potential hazard sources
- Moderate systematic hazard analysis
- Assess impact of the hazard, where appropriate by including propagation calculations pursuant to recognized models
- Define appropriate countermeasures
- Define safety equipment requirements, e.g. iaw. VDI 2180 and IEC 61508/61511/ LOPA
- Document hazard analysis
- Review plants and methods with respect to compliance with regulatory requirements

### Your experts

Get in touch with us - we will be happy to advise you.

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