



Our RAMS services

We have many years of experience in the application of various measures, methods and tools in accordance with applicable regulations.

Safety Management

In the course of safety management Ramboll plans, controls and coordinates all activities, associated to integration of trackside equipment or rolling stock according to requirements and functional needs within the whole concept of trackside control-command and signalling sub-systems respectively the vehicle.

Our services in detail:

- Safety cases for components, (sub-)systems and applications
- Risk and hazard analyses for components and (sub-)systems
- Identification of safety requirements
- Specification of safety requirements and acceptance criteria
- Analysis of system hazards and risk evaluation
- Safety planning and system description
- Identification of potential for optimization

RAM / LCC Management

Availability and costs are decisive factors in the selection of components and sub-systems for our clients' product. During implementation of reliable and high-available systems under an economic point of view Ramboll assists its clients with an efficient RAM / LCC Management.

Our services in detail:

- RAM / LCC analyses and prognoses
- Verification of RAM / LCC key data
- Determination of RAM-requirements for components and sub-systems
- Field data management
- Basics training

Occupational Health and Safety

The requirements on components and system safety during planning, construction and operation are increasing. Possible risks regarding health and safety can already be ascertained during the design of products. Ramboll accompanies the implementation of required measures from identification up to final documentation.

Our services in detail:

- Occupational health and safety management for concept and implementation phase
- Execution of audits
- Risk and hazard identification and assessment
- Preparation and maintenance of Hazard-Log
- Compilation of OH&S documentation

Rambolls Business Unit Transport

- Major Crossings, bridges & tunnels
- Ports & Marine
- Rail systems
- Smart Mobility
- Civil Engineering
- Traffic Planning
- Risk & Safety Management

Facts & Figures



160
experts



5
locations



270
projects 2021

System Optimization

With a manufacturer independent perception Ramboll supports clients in optimizing their products and systems from the start of the development phase. Thus we reduce our clients project duration and contribute to quality improvement.

Our services in detail:

- Set up of optimization concepts
- Current state analyses
- Interface analyses
- Ascertaining lifecycle costs and the relevant factors
- Safety management
- Risk analyses

Maintenance Optimization

Combining RAMS Management with the established method of ascertaining lifecycle costs (LCC), Ramboll identifies clients' improvement potential. Under the consideration of product safety together with our client we realise an efficient and cost-optimized maintenance for rolling stock and trackside equipment.

Our services in detail:

- Set up of optimization concepts
- Ascertaining lifecycle costs and the relevant factors
- Current state analyses for maintenance processes, systems and components
- Safety management
- Risk analyses

Approval Management

Requirements resulting from registration and approval procedures should already be considered during the concept phase of a product. Ramboll supports clients by identifying the requirements as well as determining necessary measures. In dialogue with registration and approval authorities we support our clients during the whole process.

Our services in detail:

- Set up of acceptance concepts
- Identification of requirements
- Accompanying the development of components, systems and applications up to approval
- Coordination with approval authorities, assessors and development participants

Contact

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