

Technical services

Robot risk analysis of Collaborative applications

Based on requirements from ISO/TS 15066 & ISO 10218

Risk assessments are the foundation of any machine safeguarding initiative, even when the application involves robots designed for operation in close interaction with humans. It is important to note that the use of a robot with inherently safe design features does not automatically equate to a safe application. The overall system must always be evaluated in its entirety, including the work environment, defined tasks for both the robot and human operator, and the materials being handled.

Let TÜV Functional Safety Engineers from tec.nicum perform a robot system risk assessment, based on the requirements referenced in ISO 10218 and supporting technical specifications, to help ensure that your application is designed, validated, and utilized safely.



Report Details

Any hazard that is found during the analysis will be assigned a Hazard Rating Number (HRN). This number is based on four areas of selection:

LO - Likelihood of Occurrence

FE - Frequency of Exposure

DPH - Degree of Possible Harm

NP - Number of People

Report Deliverable

Data from our risk analysis software will be extracted and provided as a PDF document containing details of each machine evaluated. This report will provide all hazards identified, an HRN according to the hazard, corresponding pictures, and control measures where applicable.

For more information regarding the robot risk analysis or our other Engineering Services, please contact:

