

► Safe operation of AGVs

NEW



Your requirements

As an operator or manufacturer of automated guided vehicles (AGVs) or systems (several AGVs), you are bound by the specifications of ISO 3691-4. This defines the requirements for safety functions and specifies how the automated functions of the vehicles are to be validated. It specifies the required performance level for the vehicle monitoring functions, various operating modes and the brake control. When using one or several AGVs, you must make sure that your system is not only safely designed but is also safely and above all productively used, taking all local conditions into account.

Our services

We take a holistic view of your AGV application. We get involved as early as the development of system concepts in the design phase and support your projects up to commissioning. This helps us to ensure that safety and productivity are guaranteed in the operation of your automated guided vehicle systems.



Your benefits at a glance

- You save time and money with us as your safety and automation partner for the complete application.
- We guarantee that your applications meet the requirements of ISO 3691-4. If necessary, we provide confirmation of this through the Conformity Assessment Procedure.
- We check the AGV safety starting in the earliest stages of the procurement process. This helps you to avoid additional costs and save time.
- We ensure that maximum safety is achieved whilst using only the functionally necessary components.
- Ideal supplement for a safe solution: our safety laser scanner PSEnScan detects objects in the vehicle's path and provides maximum safety even at high speeds, without compromising productivity. The perfect solution for the use of automated guided vehicles.




We make your AGV application safe. In every way possible!

Benefit from our complete package:

Design Risk Assessment (DRA)	Optional factory acceptance test at the manufacturer's site (FAT)	Site Acceptance Test (SAT)
<ul style="list-style-type: none"> ▶ Review of the risk assessment from the AGV manufacturer (on-site or remotely) ▶ Check of key design features with regard to the use of AGV ▶ Check of compliance with standards and regulations/ guarantee of compliance of the AGV with the legal requirements ▶ You will receive the following results from us: <ul style="list-style-type: none"> - Design Risk Assessment (DRA) for the AGV system based on the design drawings as well as your information for the use of the AGV - AGV Design Review Report - List of necessary/recommended measures for increasing safety and productivity 	<ul style="list-style-type: none"> ▶ Detailed validation of the most important safety functions of an AGV ▶ You will receive the following documents from us: <ul style="list-style-type: none"> - Detailed report of the factory acceptance test - List of necessary/recommended measures for increasing safety and productivity This service is also interesting for AGV manufacturers. We offer consultancy on specific safety functions for navigation, control and braking or on speed monitoring and we provide you with the corresponding certificate of compliance for your customers. 	<ul style="list-style-type: none"> ▶ Complete risk assessment of the entire AGV system application ▶ Check of all/selected AGVs that are in use ▶ Validation of the complete AGV system application incl. examination of the environment ▶ Consultancy on all necessary measures for the users on-site ▶ You will receive the following documents from us: <ul style="list-style-type: none"> - Risk assessment - Site Acceptance Test report - List of measures

Training

We offer a training course giving a comprehensive insight into the correct operation of AGV systems in the workplace. You will receive all the information you need to know about the key requirements regarding the safety of AGV systems – also available as an in-house training course.

 Webcode:
web229656

Online information at www.pilz.us