

SIMATIC RF300 USE CASE

Route control of Automated Guided Vehicles

Task

The trend of individualization causes continuously changing market dynamics worldwide – making maximum flexibility a central success factor in many industries. In this context, Automated Guided Vehicles (AGVs) are becoming more and more important.

Solution

To be informed about the real-time position of an AGV and to ensure that it has reached its required workstation on schedule, a SIMATIC RF360R reader is attached to the bottom of the AGV. In parallel, MDS D426 transponders are placed on the hall floor along the route. When passing over these transponders, the control system of the AGV detects its current position and is accurate within a few centimeters.

Benefits

- Easy real-time tracking of AGVs
- Cost-efficient design using only two different components
- Installation possible even within small/confined compartments of AGVs

