Syslogic AG

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High-tech made in Europe. Syslogic is a leading tech company in the embedded industry and is pioneering digitalization. Syslogic’s embedded computers are the hardware base for making tomorrow’s trends reality and to tackle fundamental challenges of our time.Syslogic develops and manufactures its own embedded computers in Europe. The tried and tested hardware is based on processor technology by NVIDIA and Intel. The systems are used all over the world in applications that require particularly robust and durable devices. Applications include railway, agriculture, construction machinery, smart city, special-purpose vehicles, and mobile robots.
ProductsAI Computers for Off-Highway + ConstructionAI Computers for Agriculture AI Computers for Railway + TransportationAI Computers for Mobile Robotics
AI Computers for Off-Highway + ConstructionDust, dirt, humidity, severe temperature fluctuations, extreme shock and vibration. Conventional embedded systems collapse within a short time under these harsh conditions. Off-highway applications require specially designed rugged computers.
AI Computers for AgricultureImproving sustainability. This goal is particularly significant for the agricultural industry. Weed control using intelligent robots instead

of pesticides. Conserving resources and increasing yields thanks to precision farming. Embedded box PCs with ISOBUS connections are used as Computer Vision ECU's for all these areas. Syslogic offers a product portfolio that is specifically adapted to the harsh environmental conditions in agriculture. Our robust embedded systems are resistant to shock, vibration, moisture and dust. AI Computers for Railway and TransportationRailway vehicles remain in operation for many years. As a result, it is important that the installed electronics are durable and robust. Syslogic uses only industrial components in its Railway computers and offers “form, fit, and function” up to 20 years. Syslogic’s railway computers are specifically designed and manufactured for rolling-stock use. The are certified according to EN50155 and EN45545 HL3

AI Computers for Mobile RoboticsAutomated guided vehicles (AGVs) and autonomous mobile robots (AMRs) have become an integral part of modern logistics systems. They ensure the greatest possible efficiency in logistics. As such, it is important that the devices function reliably in 24/7 operation. Syslogic offers reliable embedded computers for controlling AGVs and AMRs. They are ROS-2 (Robot Operating System) compatible, offer wireless connectivity, and ensure that robots and vehicles can be easily integrated into the Industrial Internet of Things (IIoT). Not only can automation in logistics increase productivity. It can also minimize costs and prevent unnecessary empty runs.

Youtube URL: https://www.youtube.com/watch?v=_BHTBrYRtR8
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