

Tailor-Made Microelectronics for Industrial Automation

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Microelectronic products for industrial automation require ambitious features to work properly. It's important to provide an excellent performance and deterministic behaviour even in a rough surrounding area. Often the required performance or additional features can't be fulfilled with standard products available on the market, especially when it comes to long term delivery or improved robustness and reliability. Siemens therefore uses Application Specific Integrated Circuits (ASIC) to design tailor-made electronics for industrial automation. The present lecture explains the platform concept for our "System on Chip"-solutions and how the technical und economic hurdles are managed.