

# **Industrial Embedded Control Systems for Traction and Power Engineering Applications**

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## **Abstract**

The presentation deals with development of platform-based, embedded, hard real-time systems for traction and power engineering applications. Such systems are intended to have lifecycle of more than 20 years. Several cases of successful projects based on typical platform architecture are presented. Both hardware and software platforms and components are shown along with some topics that can help to identify advantages and disadvantages of such an attitude. Particular attention is given to the problem usually not taken into account – component obsolescence. Possible future development topics are also mentioned.