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Middleware Technologies: The Software Bridge into the Industry

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MTCA.4 is an interesting technological approach that is well suited to usage in sophisticated control systems for automation, medical technology and testing. However, for this approach to be successful users need access to appropriate software technologies.

Summary

MTCA.4 is not a mass product. The initial hurdles that come with a specific I/O implementation and the related tools are too high for most end customers. For a hardware platform to be successful nowadays, the related software overhead has to stay reasonable.

Middleware based platforms make a substantial contribution to solving this problem. Development tools that attach to a middleware interface are independent of the underlying hardware, meaning they are developed for far larger markets than hardware specific tools.

The Gamma middleware platform specifically offers a host of tools and interfaces that already completely cover the field of use described above. Beyond that, there are also numerous partner companies in the trade association Embedded4You e.V. who are actively deploying and utilizing the Gamma platform in the various markets mentioned above.

The presentation shows how the middleware platform integrates with MTCA.4 and introduces possible implementation methods. Besides tools, the talk will also show how already existing I/O plug-ins can be applied to MTCA.4 based systems.

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