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NATIVE-Server from Concept to Solution

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Since the beginning in 2006 MTCA has often been looked at as being complex and loaded with some overhead. In the past, attempts have been made for smaller and more cost sensitive solutions to provide new user groups with an efficient platform to prove the advantages of MTCA as an embedded standard for different applications and market segments.

During the last 2 years N.A.T. spent a significant amount of time with customers in various market segments including research and commercial markets to develop a MTCA platform that efficiently combines the different market requirements but also provides sufficient flexibility for other customers to engage with this open standard.

In this presentation we will explain how a small MTCA system with full MTCA capability and function still provides sufficient space for additional payload boards while supporting high bandwidth at the backplane and delivers efficient uplink functionality to external systems.

In addition to its effectiveness, this MTCA-server is supposed to also meet special requirements regarding timing and synchronization.

Primary author: ERD, Herbert (N.A.T. GmbH)

Presenter: ERD, Herbert (N.A.T. GmbH)

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