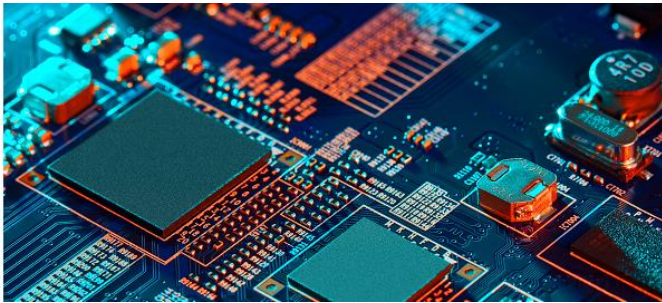


Test & Measurement



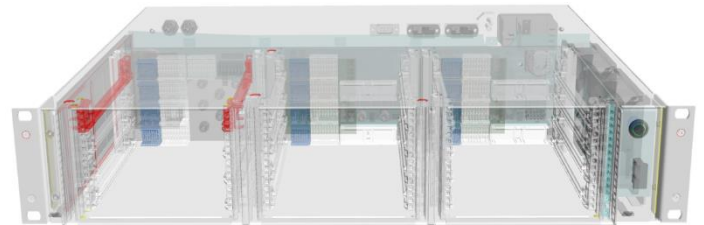
Requirement

The system is used as a standard system for high voltage signal test and is being deployed in a variety of end applications including automotive, communications, scientific, military/aerospace and consumer electronics.

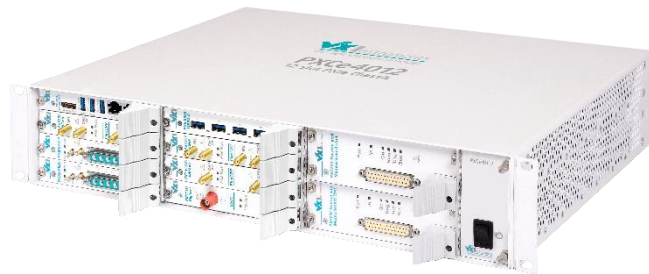


Challenge

The technical requirements were largely specified by the customer and had to be implemented accordingly. The intention was to give the end user the highest degree of flexibility when configuring his test system with PXI and PXI Express instruments. The system was only allowed to be 2 U high and had to contain 12 slots. It should support PXI Express Gen 3, but also be backwards compatible with the legacy PXI standard.



Solution



In order to have as many free slots as possible for measurement boards, a slim line PXI Express System Controller is used in this system. Developed in-house, the dimensions are 3 U and 4 HP and has a COM Type 6 module integrated. To ensure backwards compatibility, most slots are hybrid slots. The chassis is delivered completely integrated with the chassis management, passive backplane and mechanics. Since the individual components are part of our portfolio, the system could be produced without significant development effort.

Project Details

Location	Germany
Industry	Test & Measurement
Application	Standard Test System
Technology	PXI Express
Product scope / Client	VX Instruments GmbH
Date/Time frame	2019 / 2020
Contract scope	Validation completed