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CompactPCI Serial Based Generic and Modular Processing Platform at PSI

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CompactPCI Serial has been selected as one of the Next Processing Platforms (NPP) for development of future electronic systems at PSI. In this contribution, we describe the new platform and the pilot application for the Swiss Light Source (SLS) LLRF upgrade. We detail Hardware/Firmware/Software architectures, present automated testing procedures, as well as share the hands-on experience gained during first months of system's operation in the lab.

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