

# MicroTCA Technology Lab at DESY: Status and Outlook

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The successful implementation of MicroTCA-based systems for beam control and beam diagnostics at FLASH and the European XFEL has sparked new interest in the latest developments of the standard in the accelerator community and beyond. In order to respond to these requests, DESY has established the “MicroTCA Technology Lab (A Helmholtz Innovation Lab)” as a service unit for research and industry with a focus on:

- Customer-specific developments in MicroTCA (hardware, firmware, software),
- High-end test and measurement services,
- Consulting and system integration.

In addition, the lab serves as a hub for training and support activities as well as strategic development projects to complement the current hardware portfolio. The MicroTCA Technology Lab will continue DESY’s tradition of licensing newly-developed hardware to industry and is actively encouraging industry participation in various forms. We report on intermediate results 14 months after inception of the lab.

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