

Summary of ongoing MTCA projects at SOLEIL

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Synchrotron SOLEIL has elected MTCA as a platform standard baseline for its future or renewed systems. Indeed, multiple upgrades are foreseen as the facility will upgrade to SOLEIL II, a 4th generation synchrotron light source. In this presentation, we focus on two ongoing projects based on MTCA platforms: low level RF and fast orbit feedback, by presenting the technology choices, developments, installation and first results. The administration tools of MTCA systems, notably through Zabbix, will be presented.

The global strategy of MTCA integration to SOLEIL control system will also be outlined, with a focus on the development of a connector to adapt Tango Control system to ChimeraTK framework which is used to access to MTCA based systems.

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