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Experience on SP-AGPS interface using non-standard EPICS setup

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The SPIDER Acceleration Grid Power Supply (SP-AGPS) is a high voltage power supply of -96kV/75A, used for acceleration of beam in the NBTF facility, at Consortio RFX, Padova. Recently it was commissioned successfully, and is now operational on site. The central control system at NBTF is called CODAS, which is similar to CODAC. A LabVIEW based EPICS server was implemented as power supply controller for command, configuration and monitoring. A translator IOC was deployed on the central control system that coordinated the controller with the SP-AGPS EPICS server and resolved incompatibility issues. This talk shares the experience with the EPICS interface of SP-AGPS during commissioning at Consortio RFX.

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