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BEAM TRANSPORT SYSTEM OF ALPI-PIAVE ACCELERATOR'S COMPLEX AT LNL EPICS BASED

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The beam transport system of ALPI-PIAVE accelerators has been recently upgraded by migrating the control software to EPICS. The field systems is based on diagnostic and magnets. To reduce the upgrade costs the first system re-use the existing VME hardware used for data acquisition, while the motor controllers only have been replaced by new units developed in house. The second system is based on embedded linux boxes. The control software has been rebuilt from scratch using EPICS tools. The operator interface is based on CSS; a Channel Archiver Appliance has been installed to support the analysis of transport setup during tests of new beams. The whole Epics network is monitored using open sources tools, either various services, like deploy, automatic backup, log centralization relay on open sources linux project customized as necessary to our requirements.

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