

Celilo Converter Station System Control and Monitoring Local Area Network (SCM LAN) Upgrade

The purpose of this project is to enhance functionality, efficiency, and cyber security of the Celilo Converter Station by moving to a virtualized environment. Some of the critical software and hardware within the SCM LAN at Celilo is no longer supported by the manufacturers. Additionally, there are NERC-CIP vulnerabilities within the SCM LAN at Celilo.

Project components include the following.

- Upgrade the Celilo SCM LAN to a virtualized solution with the latest software and hardware configuration for the application according to BPA's specification.
- Upgrade the SCM LAN of the Celilo Replica in the same manner. This will remove unsupported software / hardware and any known NERC - CIP violations.