

**Customer:** Voith Hydro

**Location:** 4 different Locations over the Ohio River Willow Island.

**Time & Duration:** September 2014 - February 2018

**Technical Description:** Cold and hot commissioning of the hydro turbines control system and the Electrical equipment in general, UPS, battery banks, Generator and transformer protections.

Reference: Voith Hydro 14-438 / 2.1.4



### Problem

Due to shortage of Voith internal personal INP provided

### Solution

INP provided specialized services to support Voith to commission these power plants

### INP Tasks

- Provided qualified personnel to execute commissioning activities on their Turbine Control Systems based on PCS7 and WinCC technologies.
- Provided qualified engineers to support the commissioning of the MV and HV electrical equipment including Generator, transformers, MCC's, UPS, and Electrical protection relays.
- Executed commissioning activities according to customer Inspection and Test Plans.
- Coordinated on site with different teams and Commissioning Manager to execute commissioning activities on time and according to the schedule.

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