

BOONE COUNTY, IN SUPERIOR COURT

307 Courthouse Square
Lebanon, IN 46052

Project Type: Energy Savings Project

Improvements: Installed new direct digital controls system and upgraded air handlers in courthouse. Retro-commissioned direct digital controls in the Annex building.



BACKGROUND: Perfection Group, Inc. was the lead provider for the systems renovation and energy savings performance contract for Boone County Indiana.




SOLUTION: Energy Conservation Measures were performed by Perfection Group, Inc. in two of the county buildings: Boone County Courthouse and Boone County Court Annex Building.

In the Courthouse, Perfection replaced the failing electromechanical and pneumatic controls with a new direct digital control system including web accessibility for remote service capabilities, alarming notification and everyday scheduling adjustments. The two pipe fan coils constant volume air handlers and variable air handling systems and zones were all upgraded to provide better space comfort, proper fresh air ventilation and reduced energy consumption.

The existing Annex Building controls were newer so Perfection was able to integrate the existing systems to the new Web Server platform allowing significant cost savings while still providing a system upgrade.

The direct digital controls in the Annex Building were Retro-commissioned to verify operation and performance, we added CO2 sensors to regulate air changes, integrated the new and the existing controls all into the web server complete with graphics, trending, alarming the full complement of individual zone schedules and setting.

Savings are not only exceeding the initial projection but the savings in the improved building conditions are immeasurable.

-  New Direct Digital Control System Installed
-  Upgraded Air Handlers in Courthouse
-  Retro-commissioned Direct Digital Controls in the Annex Building

