

Project Profile

Building Management Systems

Due to our extensive history with a prominent semiconductor manufacturer, Industrial Automated Systems successfully secured a contract to upgrade and expand twenty-six (26) Variable Air Volume (VAV) systems. The project encompassed the specification of the new VAVs and the design of a Programmable Logic Controller (PLC) system for control, leveraging a BACnet network.

The newly devised control system was contained within a NEMA 12 enclosure, meticulously constructed by the IAS panel shop. Our engineers devised the BACnet network and configured the VAVs for seamless communication. Collaboratively, our affiliate, Triune Electric, undertook the installation tasks for this endeavor. Their responsibilities included mounting and wiring the VAVs to the control panel, connecting twenty-six thermostats to the control panel, installing the BACnet communication cabling, and integrating the existing heaters into the system. Furthermore, our engineers created new tags within the Wonderware application for intuitive pop-up graphics and for logging data to historian.

Additionally, IAS engineers provided essential support during the installation, startup, and commissioning phases, ensuring harmonious integration and optimal performance.



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<https://ias-nc.com>

Main Office & Fabrication

4189 Dixie Inn Road

Wilson, NC 27893

+1.252.237.3399

Garner Office

950 Heather Park Drive

Garner, NC 27529

+1.919.359.1118

Cedar Point Office

504-DD Cedar Point Blvd.

Cedar Point, NC 28584

+1.252.764.2692