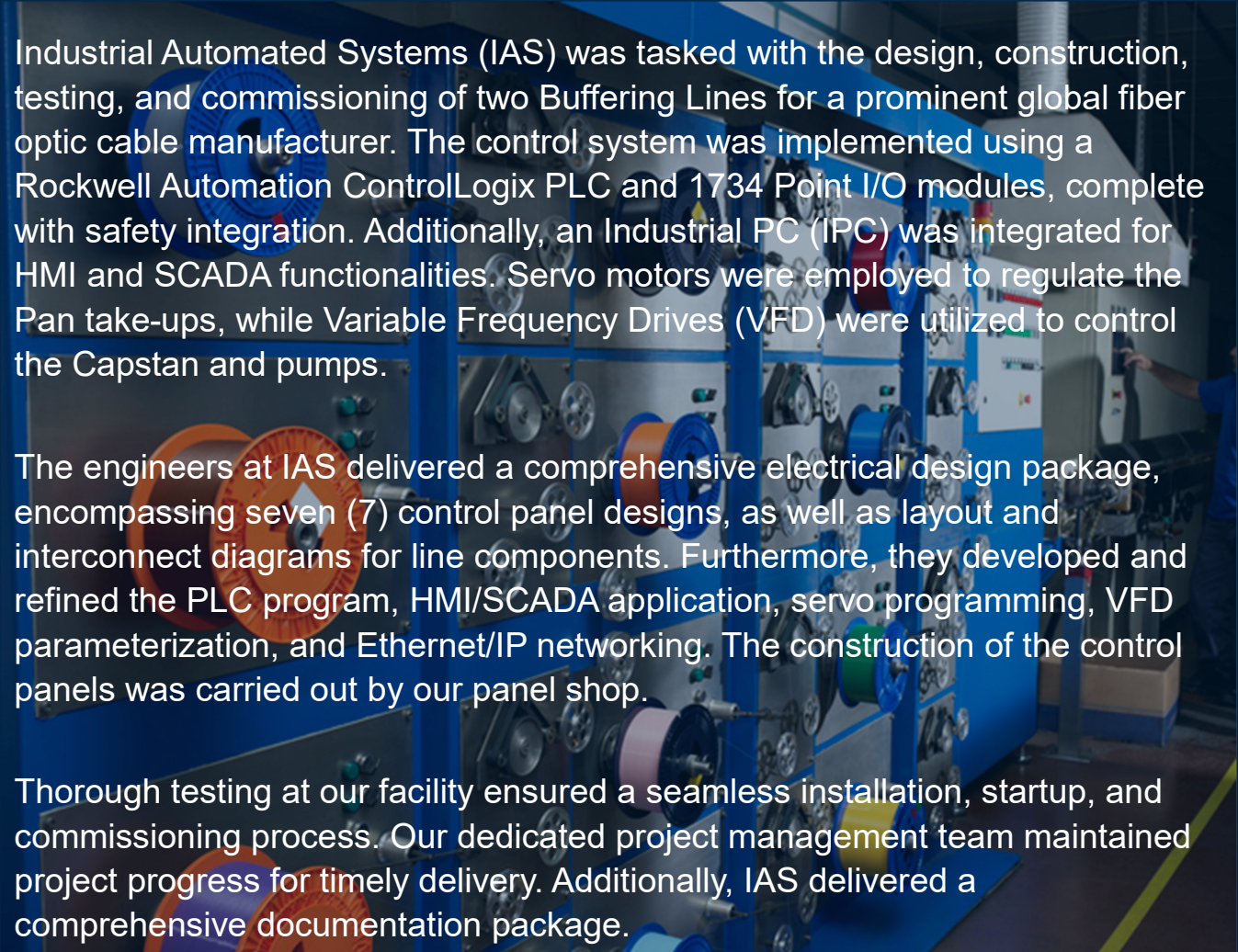


Project Profile

Wire & Cable



Industrial Automated Systems (IAS) was tasked with the design, construction, testing, and commissioning of two Buffering Lines for a prominent global fiber optic cable manufacturer. The control system was implemented using a Rockwell Automation ControlLogix PLC and 1734 Point I/O modules, complete with safety integration. Additionally, an Industrial PC (IPC) was integrated for HMI and SCADA functionalities. Servo motors were employed to regulate the Pan take-ups, while Variable Frequency Drives (VFD) were utilized to control the Capstan and pumps.

The engineers at IAS delivered a comprehensive electrical design package, encompassing seven (7) control panel designs, as well as layout and interconnect diagrams for line components. Furthermore, they developed and refined the PLC program, HMI/SCADA application, servo programming, VFD parameterization, and Ethernet/IP networking. The construction of the control panels was carried out by our panel shop.

Thorough testing at our facility ensured a seamless installation, startup, and commissioning process. Our dedicated project management team maintained project progress for timely delivery. Additionally, IAS delivered a comprehensive documentation package.



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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