An explosion at a biomass-to-electric power plant in California destroyed the electrical connection between the grid and adjacent control room electronics. During the repair process, a decision was made to upgrade the outdated previous system to a modern, MODBUS RTU capable control system.

An NCS NET Concentrator System® was used to replace the long cable runs of twisted wire pairs between sensors, actuators and controls. This allowed the plant to locate the NCS cabinets in strategic locations that minimized overall wiring costs. Each NCS cluster utilized MODBUS RTU to get the signals from the field to the control system.