

# Office Demolition

**Problem:** A customer required additional space in order to install a new process. To create the space an existing office building required removal. To complicate matters, the office building housed a PLC cabinet. Also, beneath the office building was a water softener system which would need to be relocated to an adjacent building. Finally, next to the office building was an out of commission water treatment tank necessitating removal.

**Solution:** Project Technologies & Services (PTS) provided the customer with support by creating a demolition design, project schedule and relocation plans for the water softening system. PTS also provided support by managing subcontractors, coordinated work schedule and production requirements.

To perform the task quickly and efficiently, two teams, both managed by PTS, worked simultaneously to remove the office building. PTS was on location to supervise both teams of subcontractors. All subcontractors were given site specific safety training by PTS employees prior to starting work onsite. Working communication between PTS, the customer, and the subcontractors allowed for a very efficient work schedule which greatly reduced production downtime.

The first team removed all electrical connections from the office building and removed the PLC cabinet. Several of the PLC wires were not labeled, and required the team trace the wires back to the source. The PLC cabinet was replaced by a new remote I/O unit, which was then integrated with the building's PLC system.

While the first team was removing all electrical and PLC equipment from the office building, the second team worked on relocating the water softener system. This system required removal from the existing building, relocation to an adjacent building, and piping to the existing softened water loop. The unneeded piping attached to the office building was then removed, as well as the water treatment tank. When the first team finished removing the electrical equipment, the office building was then removed.

All work by both subcontractor teams was performed safely, in a timely manner, and resulted in minimal interruption to the customer's production schedule.



*Office building requiring removal.*