



▶ Lessons Learned

Pre-Planning: Once taking over the project we introduced computers to plan and layout the cable runs for the most efficient installation and triple check the terminations to guarantee first-time accuracy saving commissioning time.

Quality Control: In addition a daily process of checking quality and loose-ends, documenting everything on a computer led to completing the project with less than 0.1% termination errors and no punch list from the owner, also saving valuable time and money. This process was even more crucial because the crews were pushed to exhaustion so mistakes were inevitable.

Management Systems: During the time since this project was completed the structured system for the field management of a project has been refined and utilized in a variety of different circumstances with the latest version being implemented as a wireless, web-based system on the \$20M Bay Area Security Enhancement project.

▶ Key Projects

RR Donnelley (Featured)

Concrete Batch Plant: Re-build all controls after electrical fire

Siding Extrusion Production Line: Due to pre-planning and quality control startup which normally took three days was completed in less than one day.

▶ RR Donnelley Project Turnaround

Project to install two new Roto-Gravure printing presses for RR Donnelley, Stead Facility.

Taken over at 30% completion behind schedule, over budget and having commissioning problems.

Project delivered ahead of schedule, zero punch-list and over 40% gross margin.

- Size: \$2M
- Total Time: 3 Months
- Crew: 50, 24/7 Shifts
- Terminations: 20,000
- Turnaround Time: 10 Weeks
- HV Power Distribution
- Custom Conveyor System
- Gammeler Commercial Overhead Conveyor System



This project took place in 1996 and was the first in a long string of high-pressure, turnaround situations both at the project and management levels. Crews on this project worked 24 hours per day, 7 days per week and the work type was outside the normal scope of an inside-wireman's training it was crucial to clarify and simplify the German drawings.

