

CONTRACTOR USES READY!SM TO INSTALL TO MEET DEADLINES ON POWER PLANT CONSTRUCTION



S U M M A R Y

Customer

Electrical contractor

Challenge

Installation of electric and control cable at a peaker power plant

Solution

READY!SM To Install
eAnixter

Results

- Reduced setup and installation time, which resulted in overall labor savings
- Less handling of material
- Reduced storage requirements and trash
- Minimized risks of
 - Theft
 - Excess
 - Scrap

Customer Challenge

A public utility sought to increase its power generation capabilities during its heaviest load periods. To better meet its users' demands for electricity during peak times, the company sought to construct a large-scale, gas-fired peaker power plant that would provide 200 megawatts of energy. Powered by dual 100-megawatt aeroderivative gas turbines, the plant was built to reduce consumers' electric costs during peak periods, improve reliability and decrease reliance on older, less efficient units.

To complete the project, the utility awarded two energy companies working in partnership to build the new power generation plant. As in most large-scale construction projects, the general contractor for the project hired a contractor to install the electric and control cable throughout the plant. With construction occurring over a nine-month period and employees on site working 24 hours a day in three shifts, space at the construction site was extremely limited and the coordination of the various trades could impact the construction schedule. The window for the cable deployment lasted only eight weeks.

Given the sheer amount of cable needed to complete the project, the contractor lacked adequate on-site storage for the variety of cables it needed to install. The contractor needed a way to get the cable where it needed to be without having to store the different types on site and ensure that material was mapped to the deployment phases. The contractor needed a solution that helped to meet the requirements while improving labor utilization and productivity.

Anixter Solution

The electrical contractor had already partnered with Anixter on smaller projects and once again turned to Anixter to provide the materials needed for the project. For this project, the contractor asked Anixter to source and manage a bill of materials consisting of several dozen part numbers, including tray cable, building wire, control cable, fiber optic and industrial Ethernet cable. When presented with the contractor's on-site material management problems, Anixter recommended its READY!SM To Install solution, which is a customized, full-service wire and cable management and deployment program.



The contractor used Anixter's cable management and e-business solutions to complete the phases quicker than the original project plan estimated while reducing the amount of material handled at the job site. The flexibility, services and e-business solutions offered by Anixter allowed the contractor to better manage its cash outlay while still receiving material when it was needed.

CASE STUDY

CONTRACTOR USES READY!™ TO INSTALL TO MEET DEADLINES ON POWER PLANT CONSTRUCTION



Anixter's READY!™ To Install solution provided multiple cable parallels—as high as 12 cables—cut to length and placed on one reel with each leg labeled and pulling eyes attached on some of the reels. Each of these multiple cable lengths were paralleled together on one cable reel at Anixter's local distribution facility and then sent to the job site when needed and the empty reels from the prior delivery were recycled. Instead of having to pull each cable individually, the contractor was able to set up one reel or pull package and have one pull, saving set-up and install effort.

In addition to its READY!™ To Install material management solution, Anixter provided the customer with eAnixter, a pre- and post-sales online order management system that provides increased visibility into day-to-day purchasing. eAnixter helped to increase the transparency of the supply chain by providing a clear view into Anixter's supply chain.

Project Results

Because the contractor was able to efficiently deploy the project using Anixter's cable management and e-business solutions, the phases were completed quicker than the original project plan and eliminated the challenge of storage, theft, cable shorts and empty reels usually found on the job site. By labeling the cables before they arrived to the job site, Anixter saved the contractor valuable time by not having to identify cables and affix the labels on site.

The greatest benefit to the contractor was the reduction in material handling at the job site. Once completed, the project totaled 1,700 cable cuts, 230 parallels, 80 Parapulls (customizable wood paralleling reels), 310 multiple cable reels and 440 purchase orders. Because Anixter used its READY!™ To Install solution, numerous individual cable reels were consolidated into a single reel with multiple cables that were ready to be pulled and connected. By reducing the number of reels and cables that needed to be delivered to the job site, the contractor had fewer reels to receive, track and pull. This diminished the risk of damaging the cable, reduced reel transportation costs and speed of deployment throughout the duration of the project. When completed, Anixter was able to recycle more than 300 reels, helping the contractor reduce the impact of waste on the job site and at local landfills.

The flexibility, services and e-business solutions offered by Anixter allowed the contractor to better position its cash flow while still receiving material when it was needed. From a reduction in setup and pulling time to greater visibility into the supply chain, Anixter helped the contractor get the peaker power plant up and running on schedule.



READY!™ Deployment Services by Anixter map our distribution

and Supply Chain Solutions to the construction or deployment process of any technology project. We combine sourcing, inventory management, kitting, labeling, packaging and deployment services to simplify and address the material management challenges at the job site(s). READY! Deployment Services by Anixter will help you improve the speed to deployment, lower your total cost of deployment and deliver your product specifications as planned.

This project called for:



READY!™ To Install is a customized full-service wire and cable management and delivery program.

OVER
8,300
employees

OVER
100,000
customers

MORE THAN
450,000
products

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