EMPIRE
TECHNOLOGIES

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INDUSTRIAL LOW-VOLTAGE OVERHAUL

The Pet Food Manufacture was in need of a new Fiber Optic Network for Production, Wifi, and Security Systems.

PROBLEMS

The Manufacturing process creates a harsh environment for Network Infrastructure and past Installs of cable and equipment were not installed inside conduit which resulted in costly down time and inefficient operations. Manufacturing within the busy plant had to continue even while the new rugged network was being installed without interruption. The new Network had to be capable of supporting the Security Systems, Production Machinery, and Wireless Network at a total of three separate buildings

SOLUTIONS

After a thorough and complete Site walk of the plant, warehouse, maintenance and office areas and a Virtual Discovery Call with IT, Operations and Executive Leadership, Empire began designing the new Network. Step one was a completely new Conduit System to conceal all Fiber Optic and CAT6 cabling which required over 5000 feet of EMT. We built a new MDF and utilized a star topology to connect (3) IDF's via SM and MM Fiber. We installed a new PtP Network between buildings and we worked out a schedule with operations to avoid manufacturing down time. We helped IT design a new wireless network and installed all required AP's.

BENEFITS

Benefits One
The EMT Conduit System ensures the most network reliability within the harsh environemnt

Benefits Two
Empires ability to work around Production Plant operations eliminated production down time.

Benefits Three
The Fiber Optic Network has eliminated network bottlenecks and provided capacity for current and future needs

This project was definitely a challenge for us due to the environment and the obstacles we had to work around within the plant. Our production team coordinated the install with the customer operation team and successfully installed this project within two months. The customer now has an industrialized Fiber Optic Network they can depend on.

Nathan Estrada

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