



what's the big idea?

commercial  
residential  
industrial

## Enterprise Electric Brings Unique Experience to Remodel of Best Bath's Manufacturing Facility

### Situation

Best Bath Systems manufactures fiberglass bathtubs and shower enclosures. Their business was growing and they needed a larger manufacturing site. They chose to remodel an existing **113,500 square foot facility**.

### Challenge

Best Bath Systems worked with Benchmark Construction to design the remodel. In addition to looking for an electrical contractor with experience in energy-efficient lighting, explosion proof infrastructure and fire alarm installation, the company also wanted an electrical contractor who could minimize disruption to production operations when it came time to move machinery from their existing site and connect it at the new site.

### Solution

Enterprise Electric won the competitive bid and began demolishing the existing elec-

trical infrastructure, removing lighting, wiring, unit heaters and the old fire alarm system. Electrical panels were relocated and 1,200-amp, 277/408-volt, 3-phase service was added for production motors and the new HVAC system (this was in addition to the existing 208/120 volt service).

Three production areas—the resin storage/mixing room, the trim room and the accent spray booth—required **explosion proof infrastructure** comprised of sealed switches, junction boxes and wiring enclosed in conduit. Enterprise Electric was able to efficiently install this equipment due to our extensive experience with Class 1/Division 1 environments.

The new **Silent Knight® fire alarm system** involved an unique configuration. The notification devices had to be attached at the bottom of conduit suspended vertically from the ceiling in order to make the devices highly visible.

In the non-manufacturing areas, Enterprise Electric installed **T8 fluorescent fixtures with electronic ballast and high-efficiency lamps**. **Occupancy sensors** were added to further reduce energy usage and lighting costs.

Once the new site was ready and Best Bath Systems began moving production equipment over from the old facility, Enterprise Electric was able to quickly increase our crew size to eight electricians, more than enough manpower to rapidly connect up motors and **minimize interruption to operations**.

The project was completed safely and on-time/on budget, to the satisfaction of both Best Bath Systems and Benchmark Construction. Today, Best Bath Systems enjoys an efficient, safe, new facility as they expand their success.

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