GE's LED lighting transforms Bobcat® manufacturing facility

Discover how Albeo™ LED high bay lighting fixtures nearly doubled lighting levels

THE SITUATION

Workers at the Wahpeton plant, located 55 miles south of Bobcat's corporate headquarters in West Fargo, North Dakota, manufacture hydraulics, cylinders and valves for Bobcat® loaders, compact excavators and attachments. And in this high bay space where welding, assembly and testing are performed, lighting is imperative—and was, at times, supplemented with flashlights.

THE SOLUTION

The Bobcat team engaged their Grainger representative, Jack French. In the search for the right fixture for the facility's needs, Jack partnered with his local GE representative, Scott Fergen, and helped Bobcat discover that GE's Albeo™ LED high bay fixtures produced the best light output, were durable and would help them achieve considerable energy savings.

"When employees started working under the new lighting, they told us, 'Wow! I can really see better!' One operator told us he didn't even need his flashlight anymore because the new LED lighting provided directional lighting that helped him with his tasks."

- Brooks Klinnert, Electronics Technician with Bobcat

GE’s Albeo LED high bay lighting fixtures have reduced energy use by more than 850,000 kilowatt hours (kWh) each year at the Wahpeton facility. Since replacing 297 metal halide fixtures, annual energy costs have decreased by more than $50,000, and that savings increases when factoring in the diminished maintenance needs—the LED lighting fixtures have a rated lifetime of 100,000 hours compared to a 20,000-hour-rated life of metal halides.

For more information, visit gelighting.com/industrial.

ENVIRONMENTAL IMPACT

- Decreased energy costs by more than $50,000
- Increased the facility's foot-candle levels from 22 fc to 40 fc

OPERATING IMPACT

New lighting will reduce energy use by nearly 850,000 kilowatt hours (kWh) each year.

imagination at work