



Sustainability to the Max

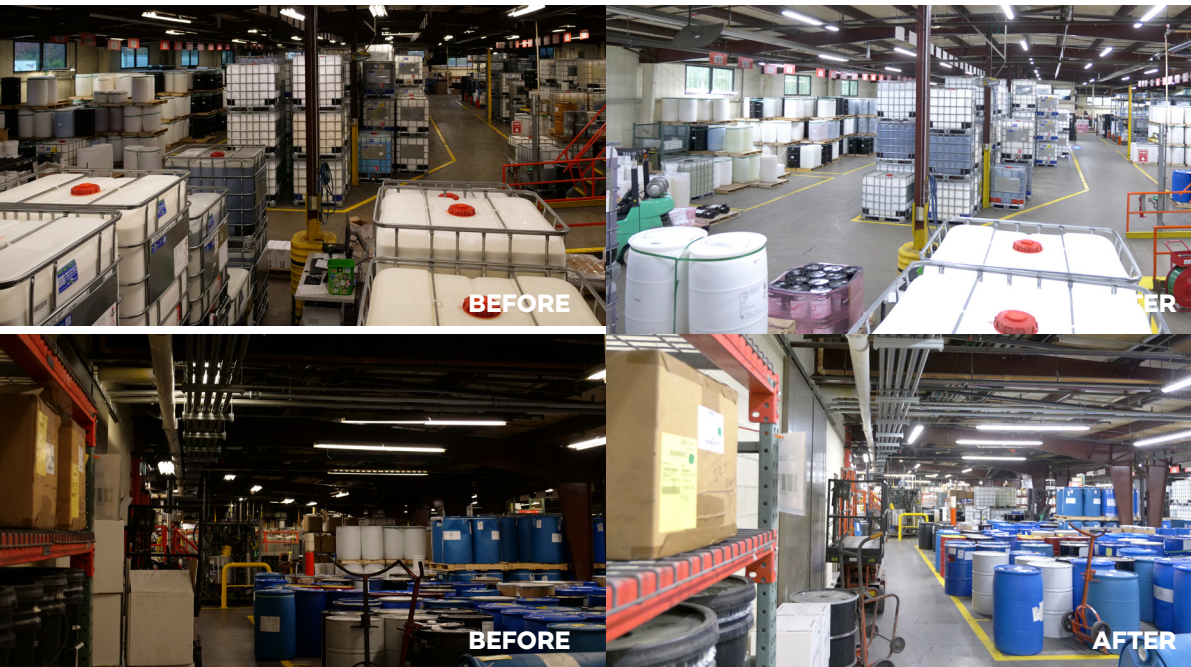
NEXT GENERATION IN EFFICIENCY.

MAG ENERGY RECENTLY COMPLETED AN LED LIGHTING UPGRADE OF CHEMTREND'S HOWELL MI manufacturing facility. ChemTrend, a division of the global Freundenberg family of companies, is a world leader in the development and manufacturing of release agents, purging compounds, and other process chemical specialties. Freudenberg corporation has also taken a leadership role in promoting their sustainability goals across the entire global organization.

The Howell facility had undergone a previous high efficiency T8 fluorescent lighting retrofit. Although relatively energy efficient and well maintained, the system had reached the end of its useful life. Electronic ballasts were failing, fixtures surfaces were becoming depreciated and light levels had deteriorated.

The scope of work involved replacing all the existing fixtures fluorescent fixtures in the facility with new LED luminaires. Working with ChemTrend stakeholders, MAG Energy specified IP66, enclosed and gasketed vaportight models through the entire production space. This will ensure the LED engines are protected from exposure to the manufacturing process which could cause premature failure or degradation. They will also present a uniform form factor across the entire factory floor and provide a much easier-to-clean surface for ongoing maintenance. Energy savings in excess of 30% were realized, despite the efficiency of the existing system and the need to significantly increase light levels.

Watch the attached video to see the results. Better lighting delivers lower instances of accidents, increased worker morale, and measurable increases in productivity and quality. And of course, significantly lower energy costs. All of it adding up to surprising net-positive outcomes.



Existing system already efficient



Achieved net positive results anyway



30% annual energy savings



Upgraded to robust sealed fixtures



MAX EFFICIENCY, MAX SUSTAINABILITY, MAX IT OUT.

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