



PowerPusher®
A Division of Nu-Star Inc.



Case Study

Organization:

McGough
Construction

Industry:

Contract Construction

Electric Wheelbarrow, by Power Pusher, Ensures Safe, Quiet Construction Demolition



Featuring a fully battery-operated motor, the Power Pusher electric wheelbarrow eliminates noise disruption and fumes associated with gas engines.



A highly maneuverable design enables the wheelbarrow to easily reach compact spaces.

Built on a family legacy, McGough Construction was incorporated in 1956 by Peter McGough and his sons. With six successive generations of McGoughs since its inception, the company has continued and enhanced its construction expertise. Today, McGough Construction conducts its development and construction activities nationwide with offices in Minnesota, Iowa and Arizona.

From new construction to renovation, McGough Construction operates in diverse spaces ranging from corporate and industrial to education and retail. For every project, McGough takes into account any space limitations or restrictions.

For its recent project with one of the world's largest food companies, McGough applied its precision approach. McGough was tasked to complete a large demolition and remodel of an indoor occupied space. The project required McGough to perform a variety of tasks, including wall and block wall demolition and general cleanup.

While McGough knew that the project would require a lot of demolition and construction work, the biggest challenge was minimizing the disruption of the company's day-to-day operations.

"Because it was an occupied space with people in it day in and day out, we knew a key challenge would be to complete the project with minimal interruption," said

Jim Conn, McGough Construction.

In addition to reducing the disruption resulting from noise, McGough also needed to consider the gas emissions from the equipment.

"We've typically used propane- and gas-powered equipment in the past for similar demolition jobs, however, since this was

an occupied space we couldn't use this type of equipment due to the gas and CO2 emissions and propane smell," said Conn.

To resolve the noise and emission risks, McGough turned to the Power Pusher electric wheelbarrow. Featuring a fully battery-operated motor, the electric

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Designed with a large, nine-cubic foot bucket and powered-dump, Power Pusher's electric wheelbarrow is capable of easily managing heavy loads.



The Power Pusher electric wheelbarrow can easily be pushed, pulled and lifted by only one operator.

wheelbarrow eliminates noise disruption and fumes associated with gas engines. Furthermore the batteries are completely rechargeable, and can run for a total of five miles on a single charge, allowing for increased productivity and less downtime.

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Prior to selecting Power Pusher's electric wheelbarrow, McGough briefly considered using manual wheelbarrows as an alternative to propane- or gas-powered equipment. However, while

doing the project by hand would have certainly eliminated the risks associated with propane or gas, it presented its own challenges. Besides taking significantly longer to complete the project, manual material removal would have also resulted in a lot more physical stress on the crew.

Designed with a large, nine-cubic foot bucket and powered-dump, Power Pusher's electric wheelbarrow is capable of easily managing heavy loads. By eliminating the pushing, pulling and lifting required with other wheelbarrow solutions, the electric wheelbarrow significantly reduced McGough's crew labor. Additionally, with a highly maneuverable design, the

wheelbarrow can easily reach compact spaces to ensure all material is completely removed—eliminating unnecessary ergonomic challenges and production halts associated with traditional wheelbarrow solutions.

"In an occupied space, you generally don't have the flexibility you might have in larger, more open spaces," said Conn. "The fact that the electric wheelbarrow was compact enough to fit through a 3-foot door made the operation much smoother."

The demolition and remodel project is still ongoing. McGough has completed the

demolition and has moved on to the finishes and rebuilding. The project is expected to last about a year and a half.

"I would definitely use Power Pusher's electric wheelbarrow again," said McGough. "For an occupied space, I can't imagine a more ideal solution."

For more information on the Power Pusher E-750 Electric Wheelbarrow, visit www.powerpusher.com or www.electricdumper.com.

For more information on McGough Construction, visit www.mcgough.com.

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