Business booster for daily routine.

Case study with
JJ Foodservice

TENSOR®

The case

Project:
Exide Technologies installs 122 Tensor batteries in JJ Foodservice material handling fleet

Customer/Project:
JJ Foodservice, Enfield, London, Great Britain

Installed system:
122 Tensor batteries

Installation date:
2022-2023

Installed battery capacity:
24v 390ah, 48v 500ah, 48v 990ah

Exide Technologies recently assisted JJ Foodservice, a family-owned business that works with 400 local and global suppliers to distribute more than 3,000 product lines to more than 100,000 registered customers. It boasts a wide range of food sectors, from sandwich bars to Michelin-star restaurants.

Headquartered in Enfield, London, JJ Foodservice has 12 strategically placed warehouses which are open for business seven days-a-week. With orders coming through its website, app and over the phone, the warehouse is always a hive of activity, meaning its material handling equipment has to be in peak condition all-day, every day.

The scenario

JJ Foodservice reported that its existing fleet was facing persistent challenges, specifically with batteries. Primarily, batteries had to be changed at least once every two shifts, which disrupted workflow, triggering an increase in operational costs.

Furthermore, because the traditional lead-acid batteries struggled in cold storage environments, their lifespan decreased, which, again, decreased efficiency and increased costs, as JJ Foodservice would need to invest in more batteries.

The solution

To address these challenges, JJ Foodservice sought a solution that would eliminate the need for frequent battery changes, operate efficiently in cold storage conditions and allow for opportune charging. After evaluating several options, the client elected for Tensor's advanced lead-acid solution. The project, from start-to-finish, took five months.

A total of 122 batteries – were installed across the dozen sites, covering the entire material handling truck fleet:

24V 390ah

Power pallet trucks

48V 990ah

Reach trucks

48V 500ah

Counterbalance trucks

Tensor batteries offer extended run-times – more than 10,000 operating hours on one charge – and are designed with copper stretch metals, meaning they can withstand the cold temperatures and regulate heat effectively. This ensures peak performance in freezing environments and maintains the level of performance for longer than standard batteries.

Tensor batteries also allow for 'opportune charging', as they can be fully recharged from 80% depth of discharge in just four hours. This is possible due to excellent charge acceptance.

User benefits

Z-profile powerful fast charging regime

Three shifts, one battery: No need to change batteries during shifts for many applications.

Full recharge in 4 hours

Outperforms at lower temperatures

Developed for highest efficiency and performance chargers from Ɛ/

Seasonal business / Activity peaks

The results

Operational efficiency: The elimination of frequent battery changes streamlined and improved operations, reducing downtime and improving overall efficiency.

Extended runtimes: Tensor batteries outperform traditional lead-acid batteries, lasting up to 25% longer, thereby increasing the runtime of material handling trucks.

Cost effectiveness: With fewer battery purchases and reduced energy consumption, JJ Foodservice has saved money and improved its carbon footprint – a win-win.

A perfect match

About JJ Foodservice

JJ Foodservice was delighted with the impact Tensor batteries have had on the business:

"Our mission is to deliver quality goods and reliable services to our customers with a focus on speed and convenience. Partnering with Exide Technologies has played a pivotal role in upholding our market reputation as a trustworthy foodservice supplier. Our customers can continue to rely on the fast, dependable service we are well-known for. Exide Technologies proved to be an ideal project partner, offering professional support from inception to completion. We look forward to the continuation of our collaboration."

Kaan Hendekli, Chief Operating Officer JJ Foodservice

About Exide Technologies

Exide Technologies (www.exidegroup.com), headquartered near Paris, France, is a leading provider of advanced energy storage solutions for the automotive and industrial markets. It designs, manufactures and markets today's and next-generation battery technologies used across a wide range of applications, from automotive and off-road to material handling, stationary, rail and defense. Exide Technologies serves the global markets with leading battery technologies, know-how & added-value services under many well-known brands.

As an original equipment manufacturer to leading automotive and industrial equipment manufacturers, Exide Technologies has been involved in many of the significant breakthrough energy-storage developments that are enabling innovation across the markets. With two R&D facilities, 10 production plants and three recycling plants in Europe, Exide is committed to high quality engineering, manufacturing and recycling, and energizes the world with the most efficient energy solutions, helping customers maximize productivity and performance. Exide Technologies is serving the markets with products and services of an annual value of ~1,5bn Euro.

Creating the future – the Exide way:

Innovation / Reliability / Sustainability / High Performance

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ENERGIZING A NEW WORLD