



CASE STUDY

FARESIN 626.E FULLY ELECTRIC TELEHANDLER

OVERVIEW

Working as a strategic partner to Tier 1 contractors on major projects we have listened to their aspirations for the future of the business and are supporting them in their carbon reduction goals. Having provided customers with Hybrid and electric machinery in the past, the Faresin 626E fitted the criteria to be added to our fleet and progress the introduction of electric powered machinery to the construction industry.

EQUIPMENT

The newly launched Faresin 626 fully electric telehandler provides contractors with a greener material handling solution than the diesel powered alternatives. The machine features a lifting capacity of 2.6 tonnes and a lift height of 6 metres. Powered by an innovative lithium ion battery it delivers a range of benefits including reduced charging times and fast charging cycles. The standard 300Ah battery offers a run time of up to 6 hours depending on work activities, three charging options are available varying in recharge time but the fastest option being the external fast charger which can take the battery from flat to 100% in just 90 minutes. Allowing the machine to periodically receive a top up charge at break times and in between loading/ unloading duties, without the risk of damage or life shortening that can be experienced with wet cell batteries.

BENEFITS

The key benefits offered by this machine include;

- **Zero exhaust gas emissions produced** - resulting in improved air quality for operatives working on site as well as local residents and pedestrians in close proximity of the project.
- **Fuel saving** - With no fuel being used, the electricity required to charge the machine equates to approximately 24kWh, a UK average price of electricity being 16.3 pence, it costs £3.90 per full charge to power this machine. Telematic data from diesel powered variants in the same class typically use around 80 litres of diesel per working day. The machine presents a large fuel and carbon emission saving even when measured over short periods of use.
- **Silent operation** - can reduce disturbance experienced by local residents whilst being used for loading and unloading of deliveries, especially outside of sociable working hours.
- **Recharge options** - The machine features three types of recharging options depending on the supply of power available to site. 240v onboard charger, 415v onboard charger and the external 415v fast charger.

FEEDBACK

Daniel O'Brien, Director at M O'Brien plant hire explains - "After a focussed trial was conducted on site it was clear to see the multiple benefits that this machine can bring to our customers. Since investing into a number of units our customers have been very proactive with trialing these machines with some even specifying them as a minimum standard for sites within an urban environment. We have a number of the Faresin 626 Electric telehandlers at work across the UK, some of which are working on sites 24 hours per day, thanks to the external fast charger that allows the battery to be topped up during break times. We have yet to find a project that hasn't benefited from this product."

Mark Howard – Project Director "At Costain we are working towards Net Zero carbon by 2035, and on our projects we are looking at action we can take now to make a difference and reduce carbon. The Faresin electric telehandler is one such way and I'm delighted that working with M O'Brien's we are one of the first projects to deploy the telehandler" Mark Howard – Project Director for Costain's Gatwick station project.



FEEDBACK

William Gleeson, Works manager at Costain's Gatwick Station project - "The Faresin 626 is a very capable machine that comes in a compact format that provides excellent vision from its predominantly glass cab, making it safe in tight working environments. It has managed every job we have thrown at it to date and I am happy that it has been able to keep up with our 24/7 requirements with the assistance of the fast charge option. Air quality and carbon output is an important factor for us when selecting plant, the credentials of this machine make it an easy choice for our material handling requirements."

Gary Barnes – Plant and vehicle standards manager for Costain "I am happy to see another item of plant added to the offering from M O'Brien, it ticks the boxes that we need to be ticking to meet our carbon output goals as a business. The high visibility cab is another strong point for this machine. I look forward to seeing the upcoming developments in the electric plant market."

CONCLUSION The Faresin 626E has proven itself in terms of capability and performance, users can find benefits in the key areas of; Safety, environmental impact and also cost. M O'Brien have elected to purchase fast charge units for all of the electric telehandler's to offer customers maximum versatility when it comes to working patterns.