



A better choice

# Greener landscaping as Marshalls joins forces with Calor

valuable storage space with no need for a separate area devoted to battery charging. But aside from its fuel rivals, Calor LPG stands out on its own, with a number of inherent advantages. Calor offers a team of dedicated technical experts who assess a client's needs, recommend a solution and where required, design a tailored system as well as giving guidance on relevant HSE regulations.

Fuel storage and supply decisions are tailored to find the best business solution, whether it is bulk tanks or cylinders, and all the major forklift truck manufacturers offer LPG powered vehicles in their product ranges.

What's more Calor offers real peace of mind. Taking care of all servicing and maintenance of the LPG bulk tanks, Calor performs a tank inspection at every fuel delivery. Operating the UK's largest LPG delivery network, Calor also offers The Think Tank® telemetry system which automatically monitors the level of LPG within the tank to ensure that the business should never run out of gas.

For Calor, safety is paramount; with LPG refuelling training provided at all new and existing sites on request. For companies who have ongoing training requirements, Calor's Train the Trainer package may be deemed more appropriate. This allows customers the flexibility to carry out training at their own convenience.

*Mick concludes:*

*"Since the switch our forklift truck fleet operation has run much more smoothly and we can rest assured we have done everything we can to ensure the site is as environmentally sound as possible and meets our corporate aims and objectives."*



LPG forklift trucks can be refuelled in minutes.

Calor has been supplying LPG for over 70 years. We have more experience and technical expertise than any other LPG supplier in the UK. Calor has the most comprehensive distribution network in the UK, with more than 10,000\*\* retail outlets, and the UK's largest LPG storage facilities and LPG tanker fleet. Bulk tank customers can also benefit from The Think Tank® - Calor's unique telemetry system which is designed to ensure that customers never need to worry about running out of fuel. All backed up by a totally committed specialist workforce who provide an all day, every day, emergency call out service

The scale of our operation is matched only by the range of applications which we have developed and supported. As well as familiar uses like heating, hot water and catering, LPG can power cars, buses, vans, forklift trucks, generators and many other commercial and industrial applications. In fact, if you have a power or fuel requirement, the versatility of Calor is sure to provide the solution.

\*Diesel - 0.250kWh, LPG - 0.214kWh. Source: The Carbon Trust [www.carbontrust.co.uk/conversionfactors](http://www.carbontrust.co.uk/conversionfactors)

\*\*Source: Calor Retail List 2008

## For further information:

Please call freephone 0800 216 659

Visit [www.lpg-forklift.co.uk](http://www.lpg-forklift.co.uk)

Or email [commercial@calor.co.uk](mailto:commercial@calor.co.uk)



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**“The decision to switch from a mixed fleet of diesel and electric powered forklift trucks to an LPG fleet was initially based on the environmental savings demonstrated by Calor LPG. It offers much fewer carbon emissions than diesel and eliminates the need to have electric batteries on charge 24 hours a day.”**

- Switching from a diesel fleet to LPG was initially based on environmental savings.
- LPG offers fewer carbon emissions than diesel.\*
- With LPG there is no need to have electric batteries on charge for 24 hours a day.
- Fixed fuel tanks require fewer refuelling stops than gas cylinders, due to their larger capacity, therefore reducing downtime and labour costs.

For further information visit [www.lpg-forklift.co.uk](http://www.lpg-forklift.co.uk)  
 Call 0800 216 659 or email [commercial@calor.co.uk](mailto:commercial@calor.co.uk)



A better choice

- BUSINESS: Marshalls plc
- NAME: Mick Cragg
- POSITION: Yard Manager

## A leading manufacturer of landscaping products has converted its forklift fleet to Calor Liquefied Petroleum Gas (LPG) making both environmental and cost savings.

Established in the late 1880s, Marshalls is the UK's leading manufacturer of superior natural stone and innovative concrete hard landscaping products, supplying the construction, home improvement and landscape markets.

As well as operating its own quarries and manufacturing sites, the group also runs 12 service centres and 14 offices throughout the UK. Its products have been used to build some of the most significant projects in the UK, including the development of the Aintree Racecourse in Liverpool.



Calor's fixed fuel tanks come in two sizes and can store 55 or 70 litres ensuring fewer refuelling stops.

As a major plc, Marshalls is committed to quality in everything it does, including environmental best practice and aims to achieve the highest possible environmental performance, minimising the impact of its operations.

Mick Cragg, Yard Manager at the company's West Lane site in Southowram, Halifax, explains why the company switched to LPG: "The decision to switch from a mixed fleet of diesel and electric powered forklift trucks to an LPG fleet was initially based on the environmental savings demonstrated by Calor LPG. It offers much fewer carbon emissions than diesel and eliminates the need to have electric batteries on charge 24 hours a day."

*"However, we soon learnt that there were other benefits including cost savings and increased flexibility of the fleet. As we are no longer charging batteries, we have seen electricity consumption dramatically decrease and LPG fuelled trucks cost less to operate than electric."*

"Also, we are able to use the same trucks inside the production facility that we use outside when loading and unloading trucks for deliveries. With the original mixed fleet, we had to keep the diesel trucks outside as they were too dirty to use inside, and use the electric trucks inside."

Marshalls now operates a fleet of 50 LPG powered Linde trucks at its West Lane site, each fitted with a fixed fuel tank. Available with 55 or 70 litre capacities, fixed fuel tanks require fewer refuelling stops helping to reduce downtime and labour costs whilst increasing productivity.

Calor's Safety, Health & Environment Manager, Dr. Terry Ritter, says reducing carbon emissions is currently high on the agenda with businesses looking for ways to be more environmentally conscious: "LPG is a high octane cleaner burning fuel, resulting in less carbon build up in forklift truck engines, less oil contamination and less overall engine wear. In addition fitting LPG forklift trucks with a three-way converter cuts fuel consumption by up to 20%."†

"An LPG powered truck fitted with a three-way catalytic converter and closed loop engine control system, monitors and adjusts its fuel to air mixture 1,000 times a second to give an optimum burn."

"As well as saving time on refuelling, running a fleet on LPG can save valuable storage space with no need for a separate area devoted to battery charging."

LPG forklift trucks can be quickly refueled from a bulk tank allowing a true 24/7 operation. As well as saving time on refuelling, running a fleet on LPG can save



Marshalls were able to use the same trucks inside and outside.

Source: † Tests results generated by independent test body on behalf of Calor Gas Ltd at Millbrook Proving Ground. Test Date: March 2000. Report no MBKOO/0373