

BIOMASS

COMMERCIAL HEATING

COMMERCIAL PLUMBING

ELECTRICAL SERVICES

IRRIGATION

WASTE WATER TREATMENT

TRADE COUNTER AND SHOWROOM



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About GlenFarrow

With over 50 years of experience, GlenFarrow has developed a reputation for prompt, reliable service.

Our six core areas:

- Biomass boilers
- Commercial heating and plumbing
- Electrical services
- Irrigation
- Waste water treatment
- Showroom and trade counter

Why choose us?

- 24-hour breakdown service
- On-call customer service team
- Bespoke design and installation service
- Quality workmanship and competitive pricing













Key contacts

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GlenFarrow biomass boilers

Our industry-leading batch-fed biomass boilers burn wood, waste wood (including pallets) and straw to provide heat for many applications.

Designed and manufactured by GlenFarrow in the UK, the boilers are fabricated to ensure durability and long life.

Our expert team is always on hand to advise from initial contact, system design and installation right through to completion and commissioning.

OUR BATCH-FED BOILER RANGE

- GF90 (90KW peak output)
- GF210 (210KW peak output)
- GF295 (295KW peak output)

Benefits

3 year warranty on boiler / first service free / robust and reliable

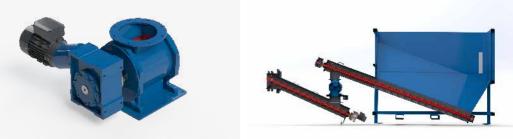
Applications and uses

Wood drying / grain drying / factories / agriculture / horticulture / district heating systems / workshops and industrial units / multiple linked buildings / swimming pools / and many more....



NEW: GlenFarrow now buys and sells second-hand biomass boilers accredited to the non-domestic RHI Scheme.







GF auto-feed

Maximise your heat generation and RHI (Renewable Heat Incentive) payments with a GF auto-feed.

This product is suitable to convert new and existing GlenFarrow biomass boilers to fully automatic systems.

The GF auto-feed system upgrade includes:

• 6 cubic metre hopper with 2 perspex sight gauges



- Fully modulating burner fan for optimal efficiency
- Pneumatic stainless steel knife valve with graphite seal
- Boiler flue temperature monitoring
- Touch screen control panel
- Full delivery and installation

RECOMMENDED ACCESSORIES

Automated hopper roof (steel construction)

- Pneumatic actuators for safe automated opening
- Large opening for easy loading of fuel
- Sturdy and watertight

Remote access (via ethernet cable or GSM)

This gives you the ability to monitor and control certain features when off-site.







GlenFarrow pallet chipper

The GlenFarrow pallet chipper has been designed for chipping whole pallets and waste wood.

The system produces a high quality, fuel-grade wood chip. The wood chip can then be sold or used in biomass systems such as the GF auto-feed or Heizomat wood chip boilers.

The GF pallet chipper includes:

- Solid steel shaft with 1400mm wide chipping area
- Hardened teeth that can be turned four times to prolong service life and reduce costs
- Large infeed chute to accommodate a variety of wood products and sizes
- Steel construction steps for easy loading
- Cross auger for fast clearance of material
- Incline auger for automated loading of hoppers, bulk storage and bags
- 3 phase electric motor with gearbox

RECOMMENDED ACCESSORIES

Extension infeed hopper

Allows loading of smaller pieces of timber by mechanical means.

Custom augers

This modification allows the chipper to be matched to most set ups and applications.







GlenFarrow auto-chipper

The GlenFarrow auto-chipper has been designed for chipping whole pallets and waste wood.

This high capacity auto-chipper is the automated brother of the GF pallet chipper. With a throughput of up to 1500kg and the capability of chipping up to 70 pallets/hour, this system is ideal for larger sites.

The GF auto-chipper:

- Capacity to chip large quantities at one time
- Load by forklift, telehandler or other machinery
- High throughput of material
- Self regulating pneumatic cylinder ensures a constant feed of material
- Automatic reverse and restart function reduces downtime and blockages
- Curved hopper structure to allow multi-pass chipping
- High strength cassette on solid steel runners with aggressive, replaceable, serrated pushing edge

OPTIONAL ADD-ONS

Side extensions

For increased hopper capacity to load more material.

Rotary screw compressor

Optional on-board rotary screw compressor with 100% duty cycle for industrial use.





Heizomat biomass boilers

GlenFarrow has teamed up with Heizomat to offer highly efficient, fully automatic biomass boiler systems.

Our biomass experts are approved installers and importers for Heizomat.

About the Heizomat boilers

- Fuelled by wood chip, biomass and pellets
- Output ranges from 15KW 1MW
- Boilers can be cascaded for requirements over 1MW
- Full range of optional extras and bespoke fuel stores available

BESPOKE CONTAINERISED SOLUTIONS

GlenFarrow specialises in designing bespoke, containerised buildings to house your Heizomat system.

- Cost effective
- Options for all requirements and heat demands
- Future proof and fully portable
- Fully customisable for colour, size, profile and configuration
- Automatic functionality available (eg remote-controlled sliding chip store roof)
- Full plug-and-play options available



GlenFarrow also offers servicing packages for Heizomat biomass boilers.





Wayne Flowers / 01775 722327 wayne.flowers@glenfarrow.co.uk

Biomass servicing

Our highly trained engineers have years of experience under their belts.

BENEFITS OF A SERVICE

Energy efficiency

• Servicing ensures your boiler is working at optimum efficiency

RHI requirements

 Annual servicing is an OFGEM requirement to claim RHI payments

Safety

• We ensure your boiler is operating safely

Reliability and life-span

 Spot problems before they occur and increase your boiler's life-span

Servicing packages:

OPTION 1 | One-off boiler service
OPTION 2 | Three years of servicing
OPTION 3 | Five years of servicing
£800 + VAT/service £650 + VAT/service

GlenFarrow is also HETAS approved to service boilers from most major manufacturers.





Plant replacement

Under new 'plant replacement' legislation you can change your biomass boiler and keep your existing RHI (Renewable Heat Incentive) tariff.

If your boiler is accredited to the non-domestic RHI scheme, you can benefit from increased RHI payments by swapping to an automatic system or reduce your fuel costs by changing to a batch-fed boiler.

Whichever system you would like to replace or upgrade too, GlenFarrow is uniquely positioned to help with whatever biomass system you chose.

Minimal site disruption

Our team can containerise your system to ensure a quick change over, minimal down time and less disruption to your business.

Benefits of plant replacement:

• Upgrade to an automatic system to reduce manual labour time



- Save on fuel costs with a more efficient boiler
- Automatic systems help to keep a more consistent boiler temperature which means you could see an uplift in your RHI payments!
- Keep the existing time left on your tariff





Recirculation dryers

Highly efficient, high temperature drying kilns with temperature and venting control.

Modular expansion

This system is easily expandable as your firewood business grows. Our GF210 biomass boiler can provide heat for 3 recirculation kilns so as your wood demand grows you can install additional kilns for increased capacity.

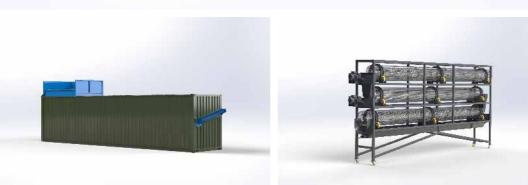
GF recirculation kilns:

- Achieves temperatures of up to 75°C in short time frames
- Automatic intake and extraction dampers for reduced drying times
- Suitable for a range of materials
- Easy to install onto existing or new systems
- Fully manufactured in the UK
- Very short drying times for firewood logs

RENTAL DRYING KILNS

GlenFarrow now offers plug-and-play rental drying kilns and biomass boiler packages - so you can try before committing to a full purchase! Reaching high temperatures of up to **75°C**, they are the ideal fast drying solution.







Continuous dryers

Dry wood chip and a wide range of other materials of varying moisture with our new continuous flow rotary dryer system.

Our continuous flow dryers are manufactured off-site to provide minimal disruption to your business. This containerised system is insulated and easy to relocate if necessary.



FOOD GRADE CONTINUOUS DRYER

If your material is aggresive or used as food, GlenFarrow can provide a stainless steel food grade system for your business.





Heat treatment kilns

ISPM-15 compliant heat treatment kilns for wood packaging and pallets

Our bespoke GlenFarrow heat treatment kilns heat the core of the wood to 56°C for a period of 30 continuous minutes in order to comply with ISPM-15 regulations.

The kiln can be set to automatically dry wood after it is heat treated, preventing mould from developing! Kilns can be heated by biomass, oil or gas fuelled boilers and we can include your chosen boiler in the pre-packaged units.



 Heat treatment and drying air temperatures of up to 85°C



- Optional upgraded controls allow for drying of construction and joinery timber
- High efficiency insulation
- Energy efficient operation and low running costs*

*Dependent on heat source



GlenFarrow make bespoke heat treament kilns to any size and batch requirements.





Standard log dryers

Our ideal entry level kiln, designed to dry logs with over 200 already supplied and installed in the UK.

Our GlenFarrow standard dryers are compatible with our GF210 and GF295 biomass boilers or any other existing commercial boilers.

About our log dryers:

- 20ft, 40ft and high cube options available
- Capable of drying 30m³ of logs per load
- Single pass drying system
- Low capital investment costs
- Easy and quick installation process
- Very short lead times
- Options for internal and external insulation
- Supplied and installed or supply only options
- Low running costs
- Different insulation options available

Retrofit installation service for existing dryers

Already own a log dryer? We offer a retrofit installation service to insulate your existing kiln with a galvanised steel lining to protect the insulation - increasing the efficiency of your log drying.





Plantrooms and drying skips

Self contained GlenFarrow plantrooms allow for drying within roll-on/roll-off skips or drying floors/rooms.

This system can also be fitted to existing drying floors or drying rooms.

Plantroom and drying skips:

- Available with multiple kW outputs from 50kW 1500kW
- 3 phase fan with inverter control for maximum efficiency and minimum drying costs



- Optional touch screen control
- Capable of drying logs, wood chip and grain in large quantities
- RoRo (roll-on, roll-off) system is efficient and convenient allowing simple expansion where necessary
- Optional temperature, humidity and remote access controls

EXISTING DRYING FLOORS

Most drying floors can be easily converted to biomass - helping your business fuel expenses. Biomass offers huge savings against drying with oil, LPG and gas. Reduce your drying floor costs and save time on drying your material!





Bespoke drying kilns

GlenFarrow offers a full design and build service to manufacture bespoke kilns to dry joinery timber, construction timber and/or logs.

Bespoke kiln options

Capacity:	You decide on what size your kiln needs to be and the amount of material you would like to dry at one time
Material:	We will optimise your kiln for the type and size of material you would like to dry
Configuration:	From door type and size to colour, cladding, profile and installation - all can be specified to suit your drying needs
Controls:	Either choose from automated touch screens with recipe control or simple stop and start buttons
Heat options:	Our kilns can work with biomass, LPG, oil and gas appliances
Solar panels:	Optional solar panels installed on your kiln roof to lower your electrical running costs





Chris Steadman / 01775 722327 chris.steadman@glenfarrow.co.uk Scott Cooper / 01775 722327

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Commercial heating

GlenFarrow has over 45 years' experience on the design, supply and installation of heating systems for commercial and industrial applications.

Our engineers are fully qualified in all relevant disciplines (gas, LPG, oil and electric). All systems can be designed and presented using CAD drawings. This enables greater precision in relaying information to our clients and in marking up drawings when working with architects and consultants.

Scope of supply

- Oil, LPG and gas boiler servicing
- 24 hour breakdown service
- New boiler installations
- Warm air heaters fixed or portable
- Radiant heating
- Oil storage tanks supplied and installed
- Flue and ducting installations
- Oil, LPG or gas pipe work designed, supplied and installed
- Heating and cooling systems designed and installed
- Extraction and filtration systems supplied and installed
- Pressurisation units
- Commercial fan coil unit heaters
- Commercial water heaters

Areas of expertise

We work on a wide range of projects, covering applications such as full heating and hot water systems for hotels to frost protection systems for horticultural glasshouses and everything in between.





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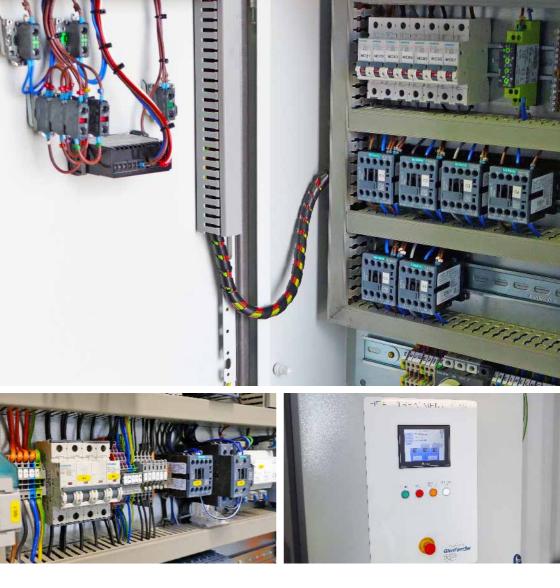
Commercial plumbing

GlenFarrow provides plumbing services ranging in scale from domestic fit-outs through to large-scale commercial re-fits and new installations of industrial premises.

We work on new systems, upgrades and maintenance with everyone from architects and developers through to the end user.

Scope of supply

- Servicing and repairs
- Sanitary-ware installations
- Hot and cold water systems designed and installed
- Heat exchangers
- Power flushing
- Legionella compliance works
- Above ground drainage and waste systems designed and installed
- Thermal lagging supplied and fitted
- We supply and install copper, stainless steel, galvanised, polyethylene, LCS and PVC pipe
- Extraction and filtration equipment supplied and installed
- Stainless steel sanitary ware supplied and installed for commercial kitchens
- Chlorination and testing works





Rob Black / 01775 722327 rob.black@glenfarrow.co.uk

Electrical services

GlenFarrow provides a fully integrated mechanical and electrical service that offers flexibility, responsiveness and reliability.

Choose individual parts of the service for one-off projects or ask our team to design, install and maintain systems over a longer period of time. To ensure we can always meet our customers' requirements our team employs the latest technology and techniques. All our engineers are NICEIC registered.

Scope of supply

- 24-hour call out service
- Panel design and installation service
- Electrical installation condition report (EICR)
- Annual servicing of graders, conveyors, crop drying equipment and electrical panels
- Full design and installation
- Installation of fire alarms
- Emergency lighting
- Planned preventative maintenance (PPM)
- Installation of CCTV and intruder alarms
- Installation of LED lighting
- ARC fault detection and surge

Areas of expertise

Local authorities / horticulture / agriculture / general industries / construction / schools and colleges / food production / bespoke solutions





Rob Black / 01775 722327 rob.black@glenfarrow.co.uk

EV charging

GlenFarrow now offers EV charger installations for your home and workplace.

We work with our customers to provide them with competitively priced chargers that best suit their requirements.

Our highly trained installers will be able to assist with any questions you may have before, during and after the installation process.

Commercial

- Government grants available of up to £350 per socket
- Full control and management of your EV charging network
- Private, public and fleet charging options
- Pay-to-charge, free-to-charge and biK options
- Mobile and/or RFID operated
- Reduces your company's fuel costs

Domestic

- 3 year on-site warranty
- Faster and safer charging than 3-pin sockets
- Options to control charger with your mobile phone
- Smart chargers maximise off-peak energy use
- Cheaper and greener
- Reduces your fuel costs and carbon footprint





Rob Black / 01775 722327 rob.black@glenfarrow.co.uk

Solar panels

Our electrical team offer a full turn-key solution for solar panel design, installation and maintenance for commercial buildings.

Why change to solar?

- Reduces energy bills and increases business cashflow
- Short payback period
- Tax efficient and reduces carbon footprint
- Future proofs your business
- Increases business sustainability
- Low maintenance costs
- Solar panels are silent and space saving

NEW: Solar PV for drying kilns



Installing solar panels on your kiln roof means you could potentially run a GF biomass boiler and drying kiln FOR FREE 12hours/day, 232 days of the year - saving you up to £1,560 a year on electricity!*

*These figures are based on 4458 kWh yearly usage @ 35p/kWh and 100% self consumption. Biomass boiler electricity usage is estimated.





Wayne Flowers / 01775 722327 wayne.flowers@glenfarrow.co.uk

Irrigation

Getting the design of an irrigation system right from the outset makes a huge difference to your water usage and the system's effectiveness.

GlenFarrow has been designing irrigation systems for over 45 years, making us experts when it comes to developing solutions to best meet your requirements.

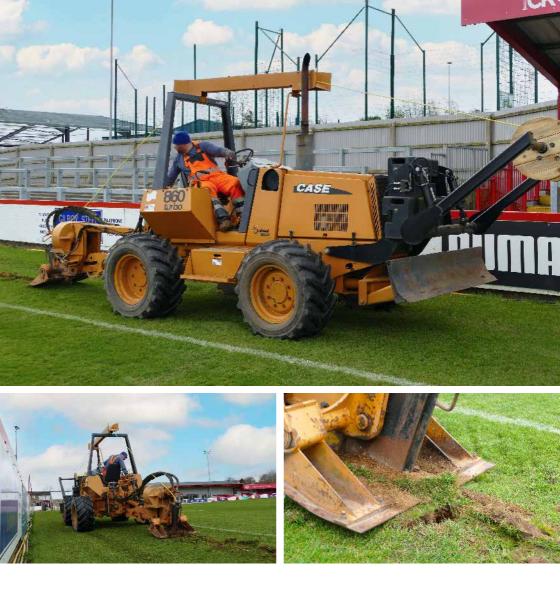
Our highly experienced team works hard to supply, install and commission all elements while minimising the impact on your site.

Scope of supply

- Irrigation sprinklers and control equipment
- Water tanks and storage
- Pumps supplied and installed
- Control systems
- Filtration systems
- Trenching and mole ploughing services
- Rainwater harvesting
- Borehole services
- On-site maintenance and repairs

Areas of expertise

Agriculture and horticulture / garden centres and nurseries / glasshouses and poly tunnels / domestic and commercial landscaping / dust or smell suppression





Wayne Flowers / 01775 722327 wayne.flower@glenfarrow.co.uk

Mole ploughing services

GlenFarrow offers mole ploughing services that makes it easier, simpler and more cost-effective than ever to lay underground pipe and cables.

Our Case 860 mole ploughing machine allows for the laying of 32 - 110mm pipes and cables - a turn key solution for digging, laying and resurfacing.

This technique creates minimal mess and requires no back filling, whilst also reducing labour time by removing the need for excavator works.

How it works

The mole plough works by creating a very neat and narrow trench for pipes and/or cables to be inserted and fed into the ground by the machine. The large blade on the back moves up and down, cutting through the ground to make an entrance for the pipes and cables to be pulled through as the plough moves. The plough has a reel on the front which can be utilised to pull both cable and pipe through at the same time.

Scale of projects

Our rates are on a per metre basis for all mole ploughing projects. We have various machines for jobs of any scale. Whether it be a from a few metres or thousands of metres - we can provide a hassle free ploughing service.





Wayne Flowers / 01775 722327 wayne.flowers@glenfarrow.co.uk

Sports turf irrigation

Regular and controlled watering of sports turf is essential and makes a real difference to efficiency and water usage.

Our team of engineers has experience of working at all levels. We've installed systems across the country at venues including Premiership football and rugby clubs and prestigious equestrian centres through to local bowling clubs and school sports pitches. We make best use of new technology wherever appropriate and are authorised distributors for most major irrigation equipment suppliers.

Capabilities include:

- Football pitches
- Rugby pitches
- Golf courses
- Race courses
- Gallops
- Hockey pitches
- Synthetic sports turf
- Equestrian centres
- Bowling greens
- Tennis courts
- Cricket squares and outfield

ARTIFICIAL SPORTS TURF IRRIGATION

Keeping your artificial sports turf properly maintained with an irrigation system provides many benefits. Our irrigation team works closely with our customers to advise and work towards the very best solutions.





Andrius Lescinskas / 01775 722327 andrius@glenfarrow.co.uk

Waste water treatment

GlenFarrow specialises in waste water treatment for food production and food processing.

We help our clients maximise efficiency at all stages of the treatment process by making best use of existing plant, adapting existing systems to accommodate new plant, reducing effluent discharge or chemical requirements, ensuring older systems comply with the new legislation or designing new systems.

Our range of services includes

- Chemical treatment
- Pumping systems
- Dissolved air flotation (DAF)
- Odour control systems
- Biological treatment
- Sludge dewatering
- Ultra violet (UV) disinfection
- Tanks
- Screens
- Storm water run-off
- Water usage surveys
- Instrumentation
- Operator training
- Monitoring and alarms
- Consultancy
- Bespoke solutions
- Flow measurement

All installations are carried out by our in-house team of engineers, ensuring quality control from start to finish. GlenFarrow can design, build, install, commission and maintain all elements of waste water treatment systems.





Andrius Lescinskas / 01775 722327 andrius@glenfarrow.co.uk

Plant maintenance and monitoring

GlenFarrow has supported effluent treatment plants with comprehensive servicing, maintenance and monitoring plans for over 30 years.

Our servicing plans include

- Effluent plant health checks and management
- Water samples and analysis
- Chemical supply
- Weekly, monthly and annual servicing plans
- Mechanical and electrical checks
- NICEIC condition reports
- Pipework and drain surveys
- Advice and bespoke solutions for plant improvements
- Jetting and more....

Waste water tank design and maintenance

GlenFarrow can survey, advise, repair and maintain tanks to help keep them in a good working condition. We are able to organise maintenance works so plant operation is uninterrupted.

NEED A NEW PLANT DESIGN FOR YOUR BUSINESS? WE CAN:

- Calculate the treatment process
- Design the treatment plant
- Propose a suitable trial pilot plant
- Advise on required components
- Offer a competitive quotation for building and installation works



FIND OUT MORE: To discuss the range of products we stock and sell to trade customers contact:



Kevin Hargrave / 01775 722327 kevin.hargrave@glenfarrow.co.uk

Trade counter and showroom

GlenFarrow offers a trade counter with a full range of spares and supplies for all areas we cover: biomass, commercial heating and plumbing, electrical services, irrigation and waste water treatment.

Our range of stock:

- Accessories and tools
- Pipes and fittings
- Irrigation spares

- Heaters
- Heating spares
- Pumps and booster sets
- Thermal insulation
- Trade essentials

New in: m-press pipe and fittings in copper/stainless/ carbon/stainless gas, 15-54mm sizes in stock.

In need of a press tool?

Hire one today from our Trade Counter from £25!

Main agents for:

- Abac
- Abracs
- Albion Valves
- Acrotherm
- Bond-It
- Bosta
- Calpeda
- Caprari
- DAB
- Delabie
- Draper Tools
- Dual Pumps
- Ebara

- Enduramaxx
- Ерсо
- Espa
- Harrison & Clough
- Heron
- Hingerose
- INTA
- KAR
- Kitsons
- Leengate Valves
- MWA Technology
- Monument Tools
- Nero Stainless
- Netafim
- Obart Pumps

- Plasson
- Plimat
- Polypipe
- Powrmatic
- Primaflow
- Rigid
- Sealey Tools
- Specflue
- T-T Pumps
- Toolbank
- Tuffa
- WD40
- XL Horticulture
- And many more....



FIND OUT MORE: To discuss the range of products we stock and sell to trade customers contact:



Kevin Hargrave / 01775 722327 kevin.hargrave@glenfarrow.co.uk

Hydraulic hose services

We are the number one supplier for hydraulic hoses and fittings around the local Spalding area.

Our GlenFarrow Trade Counter offers over the counter repairs and advice for all your hose needs.

We carry a large range of hose inserts and adaptors in stock including: BSP, JIC, Metric fittings and many others.

Our scope of services:

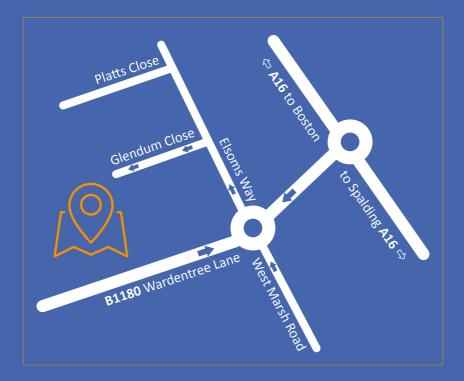
- Hose assemblies
- On-the-spot hose repairs
- Refuelling equipment
- Air brake fittings
- PCL fittings
- Radiator hoses
- Greasing equipment
- Oils and sundries
- Over the counter advice



GlenFarrow offers an out-of-hours service for hydraulic hose repairs.



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