CVH OMFB®

Agricultural Interactive Brochure



An OMFB Group Company

Global Leader in Hydraulic Solutions

SOLUTIONS

ONE BRAND
The Widest Range

Transport

Agriculture

Mining

Oil & Gas



CONTENTS - PRODUCT LINES

OMFB HYDRAULIC COMPONENTS

- PTO's- POWER TAKE OFF
- PUMPS
- GEAR PUMPS
- ASAE CONNECTIONS
- HAND PUMPS
- CYLINDERS
- POWER PACKS
- WETKITS

OMFB TANKS DIVISION

- OIL TANKS
- **NEW** - BC RANGE TANKS
- **NEW** - PLASTIC TANKS
- BESPOKE TANKS
- FUEL TANKS

OMFB HYDRAULIC POWER CONTROL

- PTO'S - POWER TAKE OFF
- MOTORS
- GP SERIES PUMPS & MOTORS
- GM SERIES PUMPS & MOTORS
- PDV VALVES

OMFB ELECTRONIC AND SENSORS

- SENSORS RANGE
- **NEW** - SENSORS

VBR HYDRAULICS

- VBR VALVES
- CETOP VALVES

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CONTENTS - COMPANY INFORMATION

- AGRICULTURAL APPLICATIONS
- OMFB GROUP BIO
- GROUP PRODUCT RANGE
- CVH-OMFB BIO
- SERVICES & WORKSHOP

CVH-OMFB

The UK's number one hydraulic equipment supplier for road transport and the home of Commercial Vehicle Hydraulics.

Tippers • Tankers • Snow ploughs • Salt spreaders • Cranes • Gully emptier's • Bulkers - even for truck-mounted shredding machines.

These are your livelihood. To get the best out of them, you need truck, body and equipment to work together, in harmony, at the touch of a button.

And that's what we're all about.

Because CVH-OMFB are the UK's leading supplier of hydraulic solutions to the road transport industry.

We supply the best...

- Hydraulic equipment from Europe's leading manufacturer, OMFB
- Tail-lifts from Italy's most innovative manufacturer, Anteo

And with over 30 years UK experience, we've a track record that's second to none...

Solutions. That's what CVH-OMFB deliver.



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1991 - 2021

30 YEARS ANNIVERSARY

OMFB GROUP

OMFB started in 1950 by three Bianchi brothers Umberto, Nicola and Alessandro, now some 70 Years later OMFB Group strengthens its direct World presence with group companies within Italy, France, Spain, Australia, China, India, and now the United Kingdom.

OMFB Group company manufacture and distribute several categories of products such as Wetkits, Power Take Off's (Pto), Pumps, Hydraulic Motors, Variable Displacement Piston Pumps, Monobloc Valves, VBR Directional Control Valves, Proportional Delivery Pressure-limiting Valve (PDV), Controls, Hydraulic Tanks OMFB & Dalbarco, Fuel Tanks, Powerpacks.

With 100% ownership of CVH-OMFB we bring to the market OMFB's capability, expertise and confidence.

75 Years of European manufacturing experience, proven time and again...

Solutions. Built by OMFB Group.



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1950 - 2025

Agricultural Solutions.

CVH-OMFB Ltd offers an extensive selection of products for harvesters, sprayers, boom sprayers, telehandlers and more- each crafted for next-level agricultural performance.





Our range includes:

VBR Hydraulics Proportional Directional Valve: Choose from 12 or 24V DC, PMW/ CANbus, open or closed center configurations.

Gear pump (NPLH series): with exceptional features such as up to 40cc displacement, 325 bar pressure rating, 3000 RPM speed, bi-directional rotation, and ISO or UNI mount options.

Piston Motor HPM for optimal performance.

Load Sense Pump (PPV Series): Our piston pump with variable displacement offers options of 60/90/110/130cc. It's ISO mount and narrow profile make it a versatile choice.

Flexible Oil Tanks: Side or rear mount options, various capacities available to suit your space and capacity requirements.

Orbital Motors: Up to 40cc for precise and reliable motion control.
Gear Motors (GMM series): Up to 51cc, 3500 RPM, 300 Bar, SAE-B mount for versatile applications.

Efficient Oil Coolers: Choose from 12 or 24V DC, with a flow rate of 6-200 l/min, heat removal ranging from 12-32 kW, and a 14 bar rated capacity.

HMI Solutions: Our PDHI series displays come in 10.4" or 7" screens, with or without touch screen capabilities. Stay connected and monitor operations with ease.

Controller (PHSC Series): Our high-performance safety controllers ensure smooth functioning and reliable operation of your hydraulic system.

Joysticks: Enjoy proportional single or dual axis control, with or without switches. We offer both hydraulic and electric options to suit your preferences.

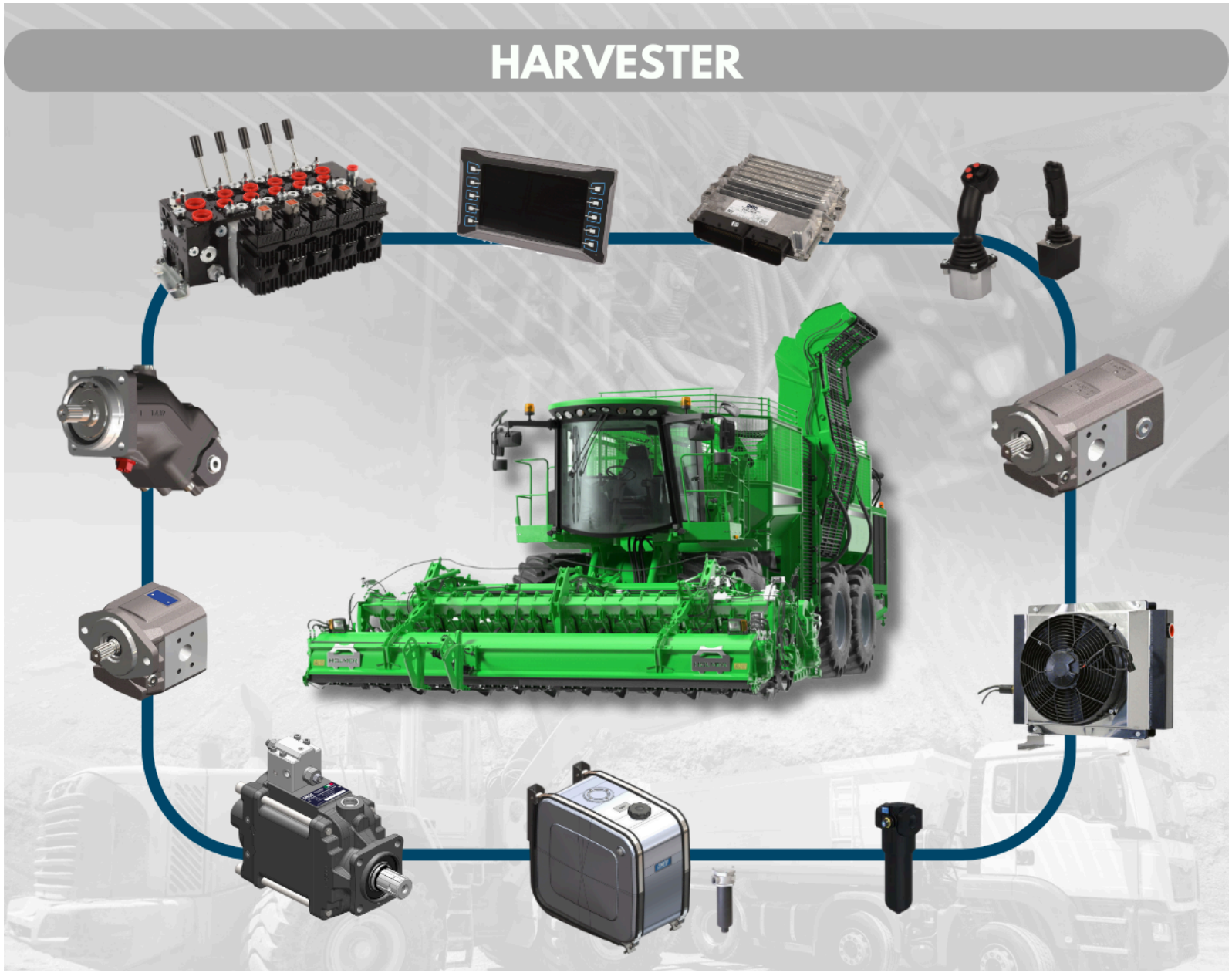
Sensors: Ensure accurate measurements with our 7-Sensors Series, offering linear travel, rotary, and horizontal and vertical angle sensors.

CVH OMFB

OMFB 75 ® 1950-2025

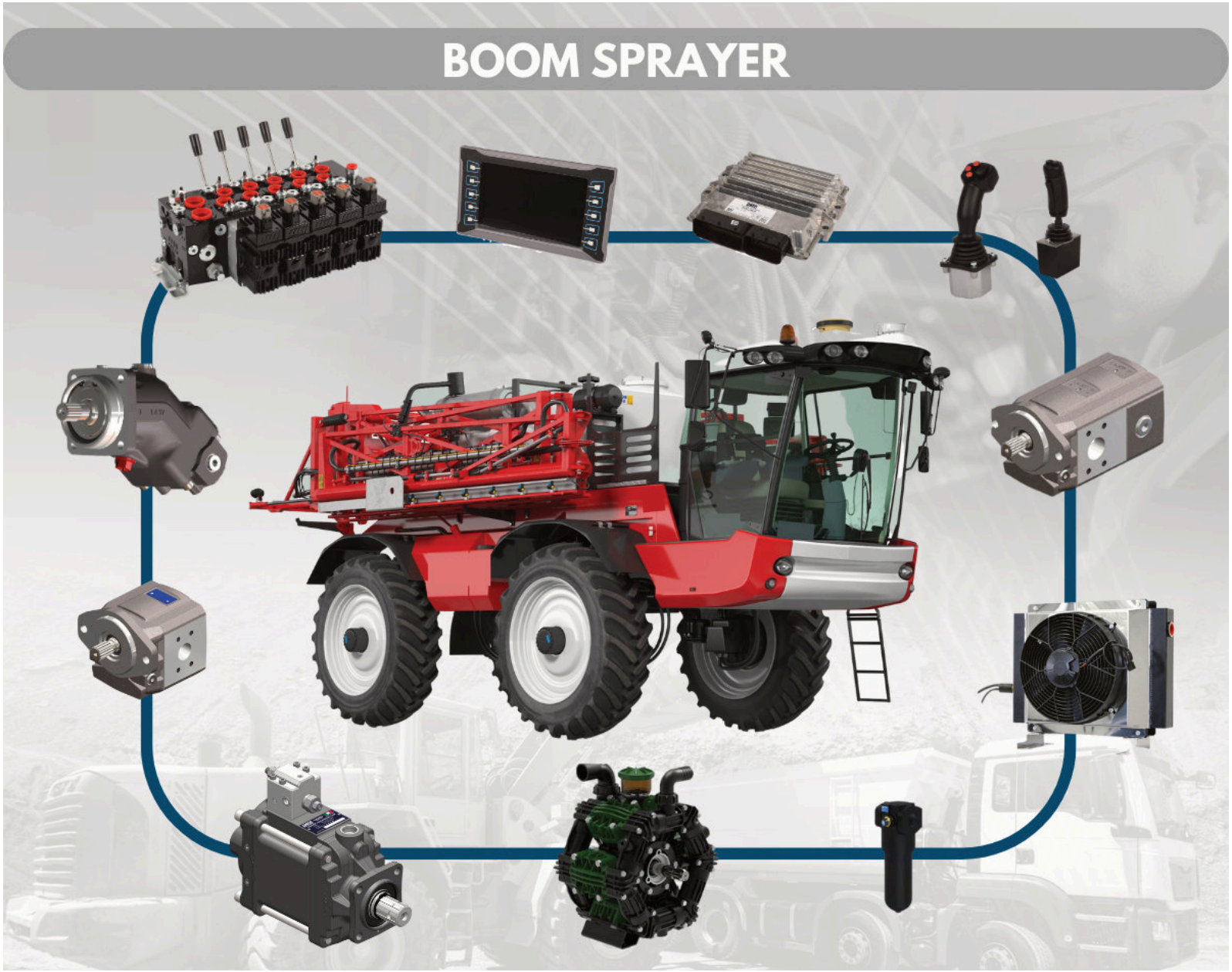
VBR HYDRAULICS

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BOOM SPRAYER



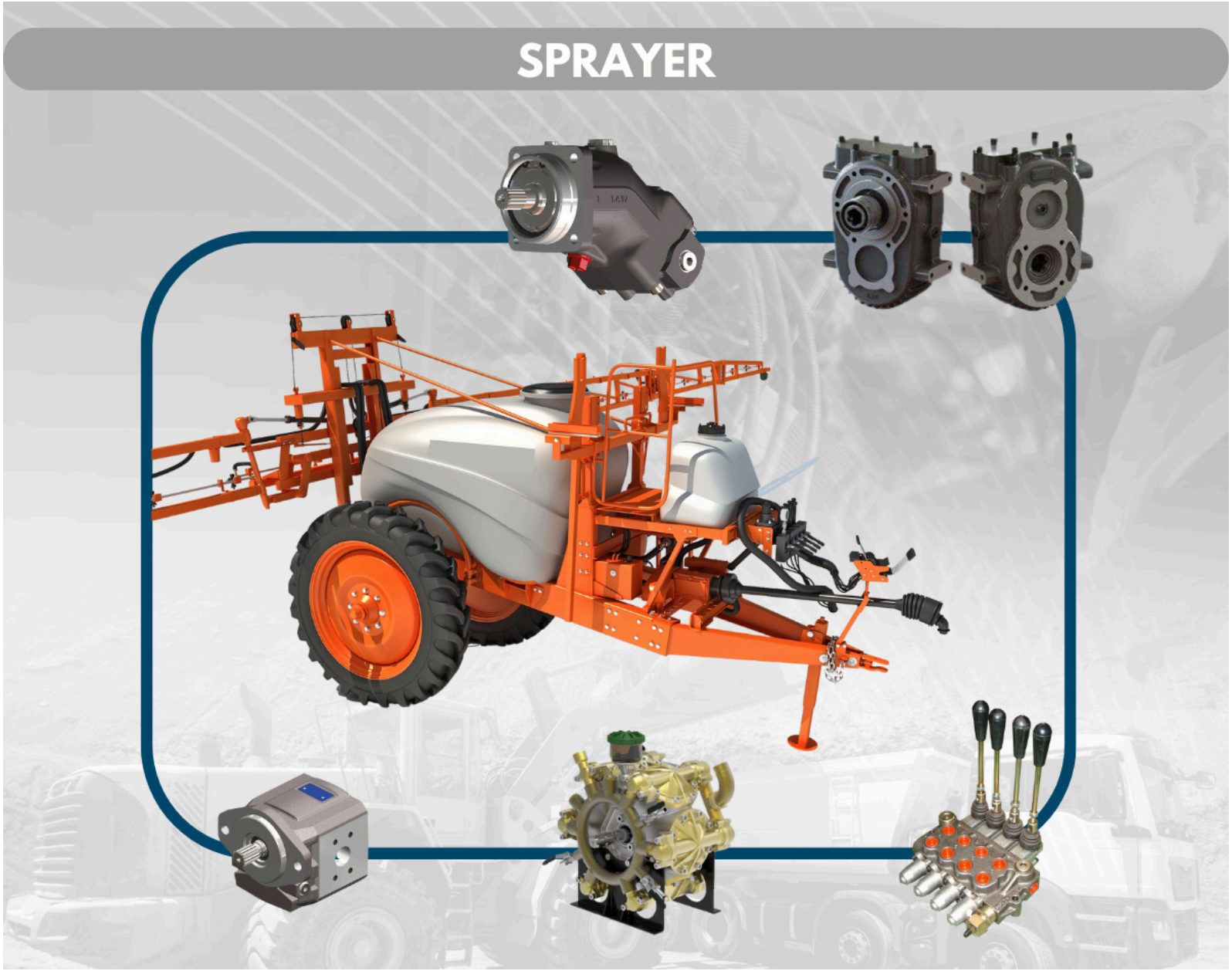
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TELEHANDLER



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SPRAYER



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AGRICULTURAL Connections:

QR Flange (Female)



540 & 1000 Shaft options to adapt from ASAE to UNI pump range.

Ideal for crane use up to 400 upto bar pressure.
17 CC - 130 CC.

ASAE Piston Pump Range



UNIMOG Adaptor



Used to enable you to run Hydraulic pump from UNIMOG factory output PTO.

Allows twin pump output at different ratios for each output.

Multibox



ASAE to Uni Adaptor



Enables direct pump mount with Tractor PTO shaft (Ideal option for log splitter/saw mill.)

Allows twin pump output for two pumps at fixed ratios on both outputs.

Splitter Box



ASAE to ISO PTO Adaptor



Quick & cost effective adaptor to convert an ISO pump to AGRI use.

Ideal for general AGRI use- Tippers, log splitters etc.

ASAE Gear Pump



CVH OMFB®

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Hydraulic Power Take Off PTO

Power take-offs (PTOs) are mechanical devices that are connected to the gear systems of industrial vehicles. They pick up the driving power and make it available to other mechanical devices, e.g. hydraulic gear pumps or piston pumps. We have a wide range of PTOs with different coupling systems, suitable for most existing vehicles: mechanical, pneumatic, vacuum-controlled and clutch coupling.

INDEPENDENT PTO



TWIN WHEEL PTO



GEARED PTO



HOT SHIFT PTO



DUAL OUTPUT PTO



MAG-TRONIC PTO



VACUUM PTO



PROP SHAFT DRIVE PTO



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Hydraulic Pumps & Motors

GEAR PUMP



Our gear pumps include versions for medium, high and very high pressure (up to 320 bar), in various configurations (DIN,UNI, ISO, SAE) and displacement sizes (from 6 to 150 cc). Tandem installations are also possible.



PISTON PUMP



Fixed-displacement axial piston pumps, load sensing pumps and slanted axis pumps, in various configurations (UNI, ISO, SAE), for displacement sizes from 21 to 130 cc and pressures up to 400 bars.



VARIABLE PISTON PUMP



Variable displacement pump is able to deliver from maximum to zero flow rate. The displacement depends on the stroke of the pistons, which is determined by the inclination of the swash plate. Maximum displacement position is reduced as two pistons hydraulically operate. Cylinders block rotates with the shaft forcing the pistons to rotate and activate the swash plate. All controlled by a pump mounted regulator.



MOTOR



The birotational bent axis piston motors series HPM are suitable for any kind of hydraulic applications, which require high performances. These motors ensure low level noise in combination with compact size and robust design and are produced using the latest technology.



CVH OMFB®

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GP / GM Series Pumps & Motors

GMM Size 3



Fan drive motor with fixed ratio, size 3 flange

Anti-cavitation valve

Displacement up to 51cc

Max Pressure up to 330bar



GPM SAE B Series



Double gear pump with common inlet. Options for load sensing priority valves, unloading & priority valves.

Max Speed up to 3500rpm

Max pressure up to 330 bar



Serie GMI size 2



Fan drive motor with proportional valve

Anti-cavitation valve

Displacement up to 51cc

Max Pressure up to 330bar



MOTOR



Uni Directional Group 2 & Group 3 Pumps and Motors.

Cast iron body with internal or external drain.

Max Speed up to 3500 rpm

Max pressure up to 320 bar



CVH OMFB

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OMFB Oil Tanks

PLASTIC TANKS



The Plastic tank range includes tanks in three different capacities 46, 30 and 12 liters all made of cross-linked polyethylene (XL-PE) with rotoforming

- - - - - - - - - - - - -

The Easy tank range has a vast range of end plate sizes

FAM Easy 04/11/17/23/24/50



FAM BC (450x500)



BC series Oil tank(450x500)capacity range from 60 to 100 liters and two different types of fitting: lateral and rear cabin. Also available as Fuel tank up to 300 liters

- - - - - - - - - -

BC series Oil tank(480x650)capacity range from 100 to 200 liters

FAM BC (480x650)



FAM BL (650x650)



BC series Oil tank(650x650)capacity range from 135 to 200 liters.

Also available as Fuel tank up to 800 liters

- - - - - - - - - - - - -

Single bracket mounting options for the BP & BL capacity 85 to 115 liters.

FAM BP (480X650) FAM BL (650x650)



FAM BT-SLT (570X650)



BT-SLT series Oil tank(570x650)capacity range from 100 to 400 liters.

- - - - - - - - - - - - -

BS (280X645) - Wheel mount tankcapacity range from 130 to 200 liters.

FAM BS (280X645) WHEEL



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OMFB Fuel Tanks

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KOMBi Q & EVO



Combination Fuel & hydraulic tanks available in two different end plate sizes 640x710 or 700x700. Giving alternative ground clearance. Require a fixed 200L hydraulic volume choose the Evo1 range.

FAM 05



Family 05-24 is available is Coated Steel with various end plate sizes and capacities from 50litre to 180litre

- - - -

3 BOLT PUMP



GEAR PUMP



PISTON PUMP



VARIABLE PUMP



MOTOR



TANDEM PUMP



TWIN FLOW PUMP



QUILL SHAFTS



INDEPENDENT PTO



TWIN WHEEL PTO



GEARED PTO



DUAL OUTPUT PTO



ELECTRO PTO



CLUTCH PTO ZF8AP



ALLISON PTO



ALLISON HD HOTSHIFT



HAND PUMPS



POWER PACKS



CABLE CONTROL



CAB CONTROLS



WET KITS



SIDE TANKS



REAR OF CAB TANKS



PLASTIC TANKS



Across the world, OMFB have an unrivalled reputation for quality, consistency, reliability and complete in-service dependability...

With a range that covers the entire spectrum of mobile hydraulics applications, OMFB manufacture and supply everything from components through to electro hydraulic power units, PTOs and pumps.

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CVH OMFB

Solutions. Hydraulic Power.

OMFB HYDRAULIC COMPONENTS

HYDROTIP - MOTOR-PUMP



GROUP 2 & 3 MOTORS



GPi / GMi GPm / GMm



FLOW DISTRIBUTOR



WINCH PLANET/WORM



E-FORCE WALKING FLOOR



PDV VALVES



VBR VALVES



END OF STROKE



FM40 SERIES



FE40 SERIES



MONOBLOC SERIES



MODULE GATE



SECTIONAL VALVES



TIPPER VALVE



DUAL PRESSURE



3 & 6 WAY DIVERTER



AIR DIVERTER



PO CHECK & LIMIT VALVES



CHECK VALVES



PRESSURE RELIEF



7 LINE SENSORS



HEAT EX-CHANGER



e-PTO



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CVH OMFB

OMFB HYDRAULIC COMPONENTS

STEEL TANKS 70 L - 250 L



ROC TANKS



Today we are able to offer you one of the most comprehensive ranges of tanks available to the
market, including fuel, hydraulic and combined tanks; built in three different materials: coated steel, stainless steel and aluminium.

Used by our customers in many different industrial sectors: available as supply only or complete equipment builds - industrial vehicles, hydraulic cranes, hydraulic kits, heavy duty machines, forklift, agricultural machinery and more.

We have the capacity to manufacture over 800 tanks per week within our OMFB Group factories,
In addition to our UK bespoke tank manufacturing - we truly can deliver any solution.

Solutions. Fuel or Hydraulic.

SCANIA SIDE MOUNT



DAF FTG DRAG LINK





COMBI TANK



ALLOY TANKS 70 L - 200 L

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SLIMLINE ROC



ADDITIONAL ADBLUE



OMFB HYDRAULIC COMPONENTS

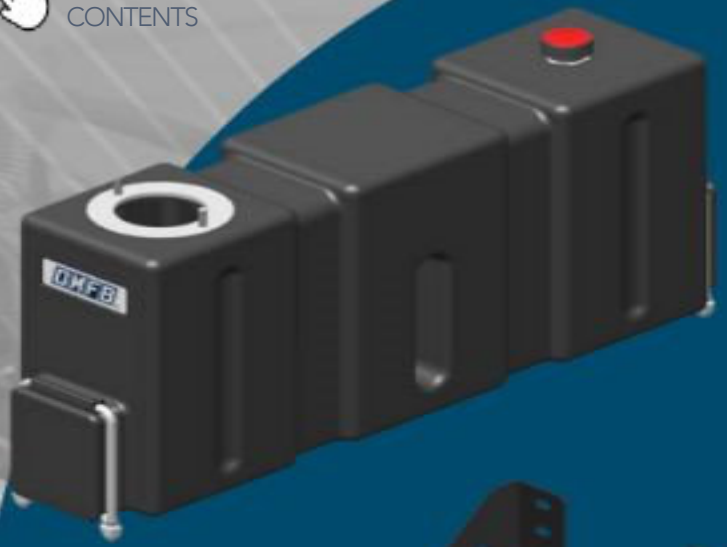
NEW PRODUCT LINE

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PLASTIC Oil Tanks

PLASTIC TANKS RANGE

Ultra Low Weight
Ultra Resistant:
Cross-Linked Polyethylene (XL-PE)
Various Capacities: 12L / 30L / 46L



Link:
Data sheet



Link:
Data sheet



Link:
Data sheet

Including:
Oil Level Indicator
Breather Cap

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OMFB

OMFB HYDRAULIC COMPONENTS

NEW PRODUCT LINE

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BC RANGE Oil & Fuel Tanks





BC TANK RANGE
Compact 450x500 Profile

MULTIFITTING OIL TANKS

Capacities: from 60 up to 100L

Mounting: Side & Rear

Material: Aluminium & Coated Steel

Includes: Oil Level Indicator, Ball Valve



Link:
Data sheet

OVERSIZED FUEL TANKS

Capacities: from 80 up to 300L

Material: Aluminium & Coated Steel



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OMFB

OMFB
HYDRAULIC COMPONENTS

NEW PRODUCT LINE

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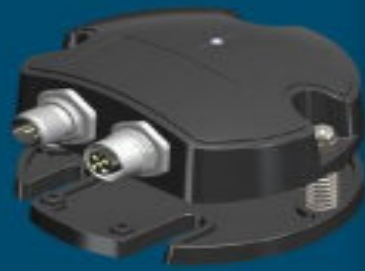
7 SENSORS LINE

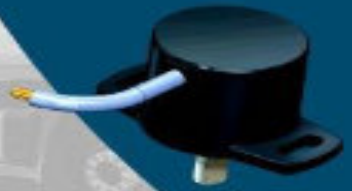












SENSOR RANGE

Precision Sensors for Hydraulic Excellence:
Measure, Monitor, Master

7A - Static / Dynamic Inclinometer Sensor
7D - Draw Wire Sensor
7R - Rotary Sensor
7T - Static Inclinometric Sensor
7P - Pressure Transmitter
7M - Magnetorestrictive Position Linear Sensor

Link:
Data sheet

CVH OMFB

OMFB

PDV74



PDV 114





PDV315



MODULAR

OMFB
HYDRAULIC POWER CONTROL

PDV Valve Range

Proportional Directional Control Valves
Direct acting: 160l/min / 260l/min / 600l/min
Port Flow: 140l/min / 205l/min / 500l/min
Pressure: 400 bar / 5,800 psi

PDV range consisting of 74 / 114 / 315 is a hydraulic proportional directional valve, designed to offer a wide range controls options and flexibility.

The PDV range modular system enables bankable groups to perform many individual tasks, to meeting and exceeding the changing control needs of the off-highway machines of today, and well into the future to maximise the efficiency, controllability and reliability of vehicles.

PDV main features:

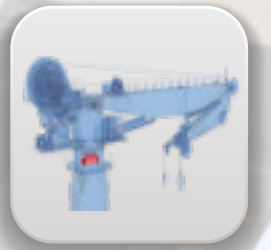
- Load sensing up-stream pressure compensation
- High flow/low pressure drop capability in a compact size
- Integrated pump unloading system
- Integrated cut-off pump system
- Open/closed centre shifting system
- Precise metering capabilities
- LSA-LSB electrical unloading
- LSA-LSB electrical working pressure remote control
- Constant flow regardless of pressure
- Working sections symmetrical flow
- Optional priority inlet for steering or different priority functions
- Optional dual hydraulic pilot and electro-hydraulic control
- ATEX and IECEx configuration
- CAN-Bus communication
- EMC immunity ensures high safety with regard to electro-magnetic compatibility

Eg. TELEHANDLER



Eg. DRILLING





Eg. DOCK CRANE



Eg. CONTROLS

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DIRECTIONAL CONTROL



PRE-COMPENSATED





DIRECTIONAL CONTROL



ELECTRO-HYDRAULIC PROPORTIONAL

MDV-3 / MDV-5 CETOP VALVE RANGE

Maximum operating voltage fluid port P, A, B 31.5 MPa
Hydraulic fluid port 21 MPa (DC); 16 MPa (AC)
Maximum flow rate 80l/min & 120 l/min

VP20 - PRE-COMPENSATED PROPORTIONAL SECTIONAL VALVE

MAIN FEATURES:
Load sensing Pressure Pre- Compensated
Open / Closed centre configuration user switchable
Electro-hydraulic controls with or without manual lever
Flow rating: up to 220/min - Supply pressure: max 400bar
LsA / LsB relief valves - Auxiliary valves on A and B ports
Spool position sensor - Special spool for pressure control
Available with or without local pressure compensator's

VB12/VD12 - DIRECTIONAL CONTROL VALVE

MAIN FEATURES:
Direct acting with pull-type ON/OFF solenoid
Compact design
Product with wide customisation options
Designed with parallel connection
Push pin manual override
Wide range of spool type
Wide range of auxiliary function for each working section
Special ports dimension available on request

VL14/VP14/VPc14 - ELECTRO-HYDRAULIC PROPORTIONAL CONTROL VALVE

MAIN FEATURES:
Load sensing with Pre- Compensation
Electro-hydraulics control with or without manual lever
Flow rating: up to 80/min - Supply pressure: max 350bar
Spool position sensor - Special spool for pressure control
Compact design, wide customisation options



HYDRAULIC INTEGRATED



PRE-COMPENSATED





MODULAR



BESPOKE BUILD

CVH OMFB

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VBR HYDRAULICS









Cylinders.

We stock a wide range of underbody tipping cylinders for both rear tipping, crane tipper and three-way tipping applications.

Our cylinders can suit most commercial vehicles from 3.5 ton to 32 ton (GVW).

The TENIFER nitriding coating allows the sliding of steel on steel. It guarantees a high degree of solidity and it allows the cylinders to be constituted only by stages and seals, making maintenance practical and economical.

Pin or Ball mountings give strength and versatility to the range.

Press for more info

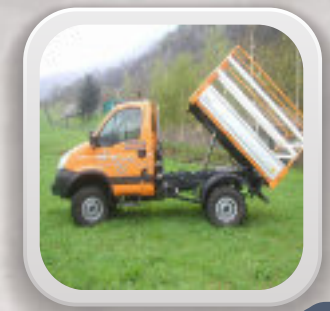
CYLINDER



Solutions. For all your tipping needs.

CVH OMFB®

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DOUBLE LIP SEALS



AGRICULTURAL





AGRI TRAILER





SPECIAL PROJECTS







HEAVY HAULAGE



NITRITE TENIFER ®



INDUSTRIAL

CVH OMFB®

Cylinders & Agricultural Applications

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TRACTORS



IRRIGATION



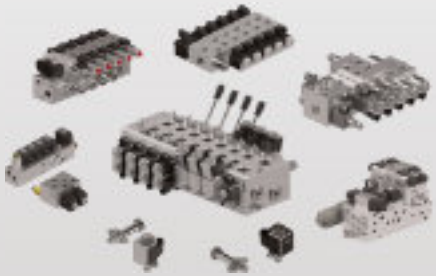
FORESTRY



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BOOM MOWERS





HARVESTERS





BALERS



TEDDERS



TELEHANDLERS

CVH OMFB

VBR Valves & Agricultural Applications

VBR HYDRAULICS

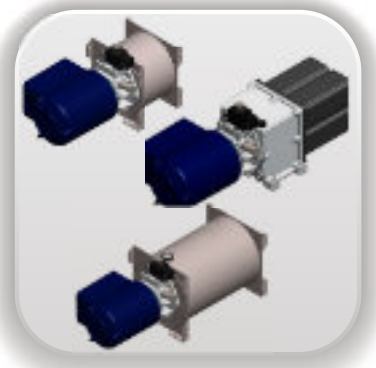


POWER PACKS

DC (Hydraulic) power packs with inlet and outlet ports for general use. It can be used with configuration P-S or with panels or connected control valves









KUBE POWER PACKS

KUBE power packs have been created to offer to industrial vehicles assembling companies a pre-assembled product which can satisfy the always increasing needs in practicality and quick assembly, without sacrificing quality, reliability and compactness.









HAND PUMPS

Hand pumps with double effect activation (the pump delivers oil both pushing and pulling the lever), with check valve on pressure port and whether with drainage tap for simple effect installations or without tap for emergency installations. Available in three different capacities to allow several applications and to limit the effort on the lever in any situation. The body is in cast-iron with white galvanisation and the stem is in nickeled steel.







CVH OMFB®

Mobile Hydraulic Power

We offer a complete range of hydraulics components, from mini power packs, electro-hydraulic power units to hand pumps piston type, to truck pto pumps and spare parts to hydraulic gear pumps.

Solutions. From CVH-OMFB.

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Sensors

7 Series Sensors for the detection of the position on mobile hydraulic machines.

The range of sensors includes products for the measurement of pressure, temperature, linear position, position, level, flow rate and rotational speed, as well as contamination and oil condition. In addition to products for standard applications, the product range covers special fields of application such as explosive atmospheres and applications with increased functional safety.

STATIC INCLINOMETER





DRAW WIRE





STATIC INCLINOMETRIC





ROTARY SENSORS





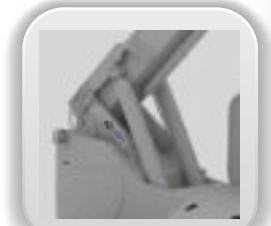
ROTARY SENSORS





PRESSURE SENSORS





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Whatever. Whenever.

Getting it in the field is one thing.

Looking after it and ensuring it stays in the field - reliably and with complete on-going dependability - is another thing altogether...

Because our success is built on delivering the highest levels of support and customer service.

And that's where CVH-OMFB excel.

SERVICE

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Our VCA Approved Workshops

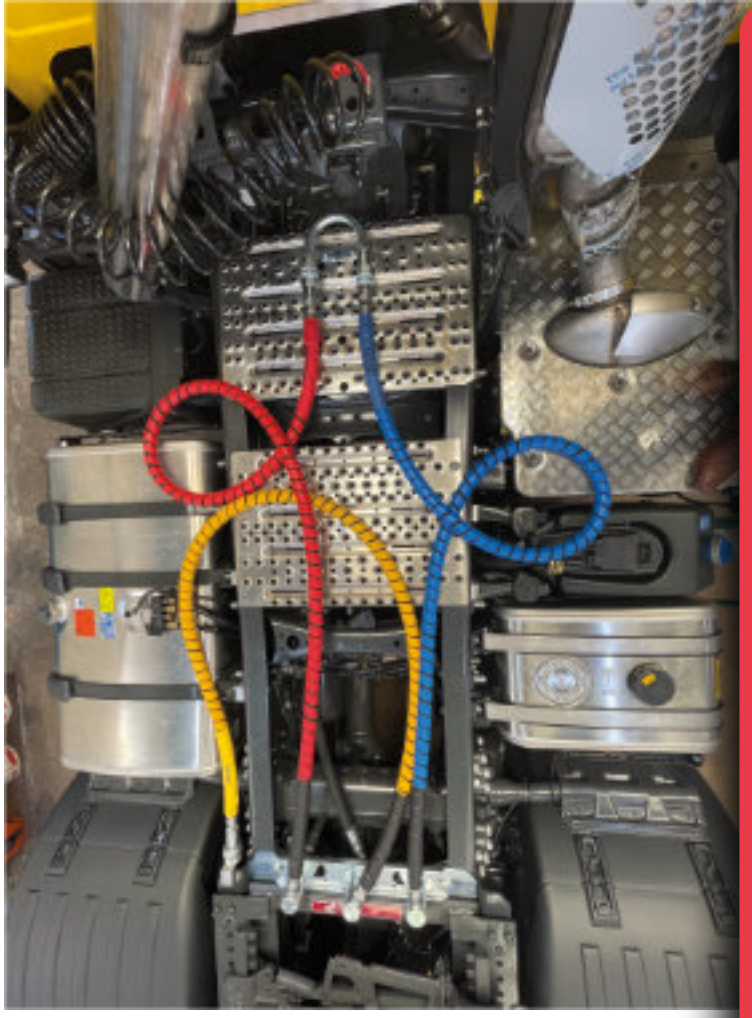
From our Sutton In Ashfield site, located just 1 mile from J28 M, our 16,000sqft workshop provides a full range of fitting, maintenance, repair and vehicle support.

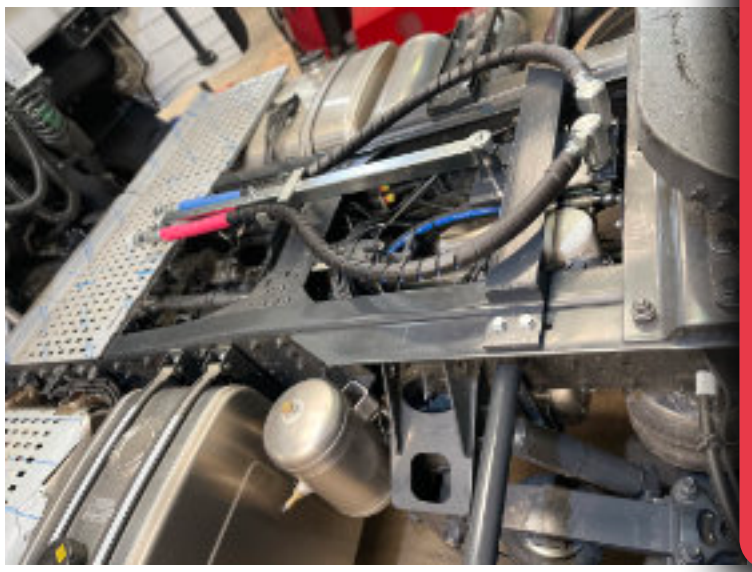
From Wet Kits and other ancillaries to tippers, salt spreaders, snow ploughs and a multitude of other applications, we have the skills, the resources, the experience and the know-how to exceed the highest standards of today's road transport sector.

Our skilled engineers truly have a passion for the art of hydraulics.

Solutions. From CVH-OMFB.

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It's an Ethos

Mechanical components go wrong, fact. What makes the difference is how you respond when they do.

And at CVH-OMFB, we have a total all-round commitment to ensuring a crisis never becomes a drama.

Solving the problem - making a decision and getting the vehicle back on the road, working again and earning its keep - is the priority. The details can be sorted out later...

We've invested in our staff, giving them the knowledge and skills to assist, all backed by £1 million worth of UK parts and stock available when you need them.

Investing in the processes required to deliver them to you - whenever and wherever the need arises.

Solutions. That's what makes us different.

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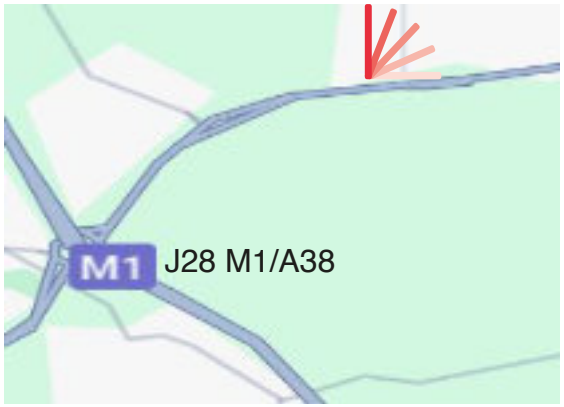
SOLUTIONS





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