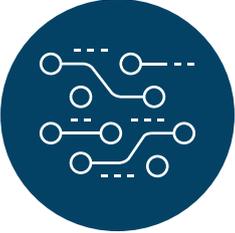
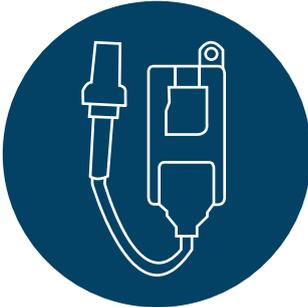
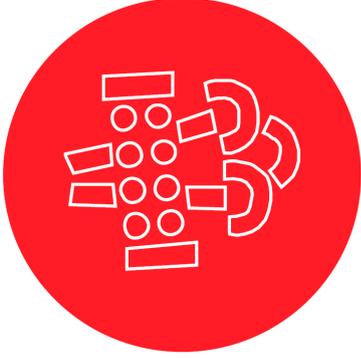


EMISSIONS CONTROL BROCHURE



We are the Emissions Specialists

At Alliance Transport Technologies we value innovation and technology. In our product and service offering to customers we strive for ingenuity. We work closely with our manufacturer partners to ensure we develop and create new products and technologies that meet customer needs and contribute to a zero emissions culture. Our product range has been specifically designed to meet the needs of our customers in the bus, coach, CV and plant industries.

The Emission Control Package

We are the UK's leading supplier and remanufacturer of Emissions Control Technologies, offering the complete package to our customers including NOx Sensors, Adblue Pumps and Dosing Valves.

The AdBlue product is one of the leading tools in the fight to reduce emissions from diesel engines, however it is in itself corrosive and AdBlue Pumps require regular maintenance to avoid costly breakdowns and repairs. We supply a wide range of Adblue Pumps to suit varying vehicle types, can repair your unit and have remanufactured units available to keep your fleet on the road.

Another crucial component in emissions control is the NOx Sensor. A high temperature sensor that monitors the levels of nitrous oxide being released into the air. This measurement is critical to ensure operator vehicles are meeting the latest government regulations in the fight for cleaner air. We have the biggest range of NOx Sensors in the UK, to fit all major commercial vehicle brands.

The Retrofit Solution

By working closely with one of the UK's leading emissions technology manufacturers we are able to provide a lasting, high quality exhaust retrofit solution for our customers to meet current emissions standards. Our field service team are equipped with the very latest diagnostic testing capabilities and are continuously undertaking training and development in current emissions regulations. This ensures our team are specialists when it comes to installing a retrofit solution on your vehicle.



Our Team

The team at Alliance Transport Technologies brings a wealth of specialist experience from various transport sectors.



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Emissions Control Products

Our range of NOx Sensors, Adblue Pumps and Dosing Valves have all been tested using our advanced state of the art test equipment.



NOx Sensors

The smart Nitrogen Oxide Sensor (NOx) is built to detect high levels of nitrogen oxides within the exhaust emissions of a vehicle. The sensor feeds back intelligence to the ECU of the system, this includes the NOx level measurements during a duty cycle. If the guideline parameters are not met an emissions light will appear on the vehicles instrument cluster, forcing operators to investigate and take action.

This is an integral part of the system and failures in the NOx sensor can cause the vehicle to default to "Limp Mode", resulting in a reduction in output performance. This reduction in performance can often reach such a level that the vehicle will not accelerate above manufactures specified tolerances. There are a few reasons behind sensor failures, however the main reason is the condition of the vehicle's engine. Regular servicing is paramount for ensuring the carbon output is as low as possible. Low carbon output reduces the likelihood of premature sensor failures due to "carbon clogging" of the sensor probe. Regular maintenance servicing such as oil changes and valve clearance are key to ensuring longevity. Running vehicles with emissions failures will cause unwanted attention from local authorities therefore it is key to resolve the issues as quickly as possible and avoid prosecution.

Alliance are the UK's leading supplier of Emissions Control products, with the largest range of OE NOx sensors available to date. In 2019 we supplied over 10,000 sensor stock units to the UK's transport sector. With a 99% first pick rate, OE product, nationwide next day delivery and a 12 month warranty guarantee we are the UK's Emission Control Specialists.



Adblue Pumps & Dosing Valves

Diesel engines are now required to meet strict NOx levels to comply with emission zone standard set out by local governments. The preferred method involves injecting a urea based chemical, more commonly named AdBlue, directly into the exhaust system.

AdBlue components are very susceptible to failure if misuse occurs or they are not serviced in line with manufacturers recommendations. Adblue system common failures include using of out of date AdBlue, cross contamination from filling stations and not following recommended service intervals.

A system failure can be very costly to an operator. Misuse of a system can cause premature failure of the dosing modules and injectors. It is integral that these units are maintained and the fluid is free from any form of contamination in order to allow the system to operate effectively. The implications of operating vehicles with known emissions issues, no matter how small, can have huge consequences for operators; which has been well publicised in recent months across various trade publications.

Alliance Transport Technologies have worked with various key operators and manufacturers over the past eight years to help support the industry with new OEM products and a remanufactured service that meets OEM standards. Working with selected OEM suppliers allows for stocking and remanufacture of products using original equipment parts, all whilst passing any cost savings made onto the customer. By using Alliance tested products and services the UK's largest fleet operators are witnessing huge expenditure savings.

All products are extensively tested using state of the art specifically designed testing equipment to ensure all units meet all OE specification prior to use. Twelve months warranty is standard on all service exchange and repaired items.



Sustainability

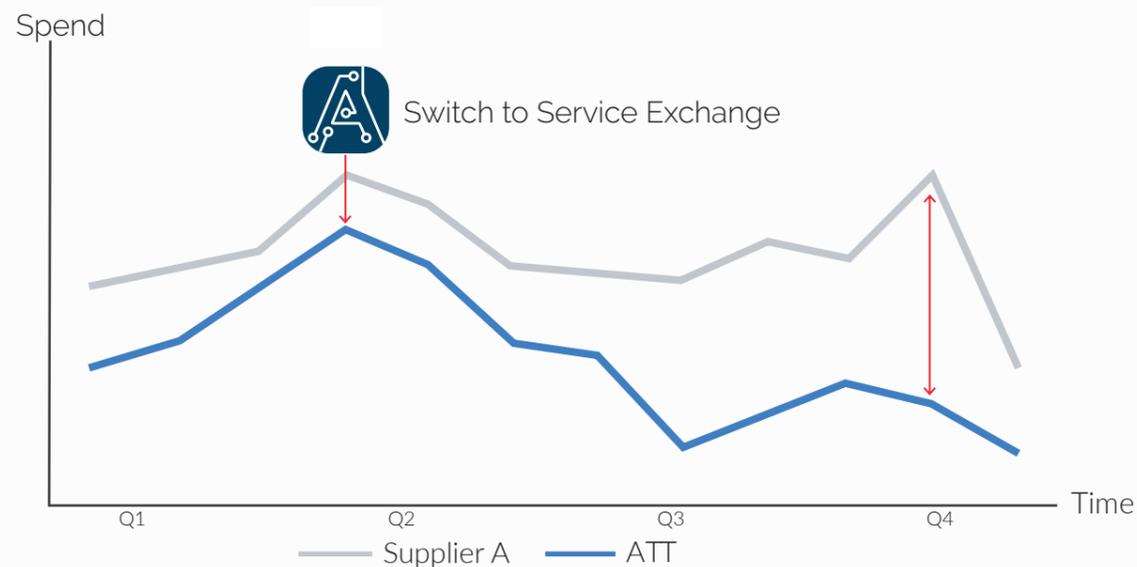
As the UK's leading emissions control specialists we understand the key sustainability factors required to support the continuous strive to reduce global emission levels.

During the remanufacturing process up to 90% of existing materials are restored. Our 2019 emissions product figures outlined an estimated 20 tonnes of "scrap product" was prevented from going to landfill. Working closely with some of the UK's leading transport operators has allowed us to not only reduce product being sent to disposal sites but to also dramatically reduce the carbon footprint that is incurred throughout the disposal process.

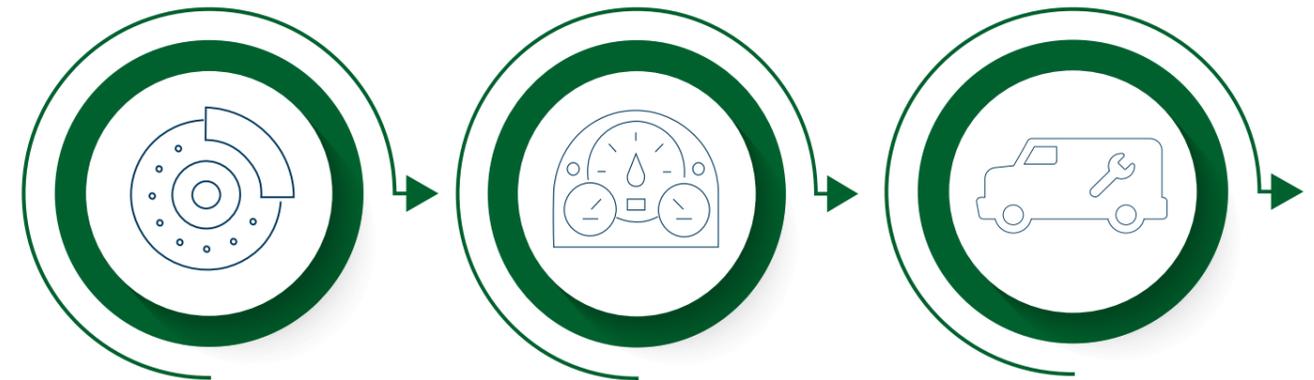
We are continuously educating our customers on the benefits and quality of remanufactured products. Working in partnership with us has helped many of our customers achieve the key targets outlined in their corporate responsibility plans. The most important element for us and our valued customers is to provide a sustainable process that clearly displays the benefits of working with a business that in turn provides a sustainable solution. Not only is the remanufacturing process good for the environment it also provides operators with a cost effective product. Some operators quoting up to a 60% saving on their net spend after 12 months from working with us.

Case Study

A typical example of working with ATT is outlined below. Our valued customer identified a significant spend on one product range that they needed to reduce. We supported the customer by providing a cost effective alternative that met all OEM specifications and criteria. The below portrays the first 12 month period. By using historic data to track trends and customer usage we were able to provide the customer with an instant saving by switching to our ATT OEM new brand, whilst also generating that all important exchange core product. After a three month period in Q2 we switched the customer to our service exchange product, resulting in an even greater saving but with the same product; only remanufactured. Not only a significant financial saving but helping them with a sustainable solution in the process.



Our internal testing facilities have been developed over the past 9 years and are aligned with OEM manufacturer standards. We provide our customers with a transparent view on our detailed processes. We have gained the confidence of our customers due to the open nature of our business and our transparency has helped to secure some of the largest operators within the market place. We continue to invest in new product testing and adapting our processes in line with OEM specification.



NEW PARTS

The sale of a new part initiates the first stage of the sustainability cycle. As part of each new sale the waste unit being replaced is collected.

REMANUFACTURING

The surcharge is then collected and put through our remanufacturing process, resulting in a service exchange product being created.

SERVICE

Our nationwide specialist field service team are on hand to complete the cycle with a full fault diagnosis and fitment offering.



90%

Percentage of existing materials restored during remanufacturing



1.2 million

Combined customer savings in 2019 from buying remanufactured products



10 tonnes

Number of Adblue Pumps remanufactured by ATT last year

NOx Sensors

Our range of NOx sensors are built to meet strict OE specifications. Our sensor probes, internal ceramic board, central processing chip and external body are all manufactured using the highest quality materials for the best performance.

Using our state of the art testing capabilities we can provide operators with detailed feedback on unit conditions such as CAN communications capability, oxygen and NOx level readings. This also forms part of the process undertaken prior to dispatch to ensure the product meets our quality standards upon delivery to the customer.

ATT P/N	MODEL	DESCRIPTION	EURO	VEHICLE PART NUMBERS	RRP
AEM0028	MAN	NOx Sensor	5	51154080015	£298.00
AEM0118	MAN	NOx Sensor	6	51154080011, 5115408011	£298.00
AEM0119	MAN	NOx Sensor	6	51154080016, 51154080008, 51154080012	£285.00
AEM0029	Scania	NOx Sensor	5	2296799	£280.00
AEM0049	Scania	NOx Sensor	6	2294290	£270.00
AEM0050	Scania	NOx Sensor	6	2294291	£265.00
AEM0069	Various	NOx Sensor	6	5WK9 6756A	£295.00
AEM0008	Volvo/Renault	NOx Sensor	5 & 6	22219283, 21567736, 22827993	£255.00
AEM0066	Volvo/Renault	NOx Sensor	6	7422827991, 22827991	£280.00
AEM0096	Volvo/Renault	NOx Sensor	5	22827995	£278.00
AEM0202	Volvo	NOx Sensor	6	22827992	£255.00
AEM0026	Iveco	NOx Sensor	5	5801754015, 41271167, 5801424181	£298.00
AEM0027	Iveco	NOx Sensor	5	5801754016	£285.00
AEM0164	Iveco	NOx Sensor	6	5801754014	£287.00
AEM0051	Iveco	NOx Sensor	6	5801777219	£255.00
AEM0003	Cummins	NOx Sensor	5	2894940, DAF 1705572	£275.00
AEM0009	DAF	NOx Sensor	5	1836059, 2011648	£295.00
AEM0054	DAF	NOx Sensor	5	1836060, 2011649	£275.00
AEM0055	DAF	NOx Sensor	5	1836061, 2011650	£255.00
AEM0072	Cummins	NOx Sensor	6	4326863	£285.00
AEM0093	DAF	NOx Sensor	6	1953530, 4326769	£275.00
AEM0094	DAF	NOx Sensor	6	2006245	£298.00
AEM0104	DAF	NOx Sensor	6	2006243	£289.00
AEM0108	Cummins	NOx Sensor	6	4326864	£285.00
AEM0109	Cummins	NOx Sensor	6	4326862, 1952565	£298.00
AEM0023	Mercedes	NOx Sensor	5	A0091533628	£298.00
AEM0058	Mercedes	NOx Sensor	6	A0101539428	£295.00
AEM0059	Mercedes	NOx Sensor	6	A0101539528	£280.00
AEM0083	Mercedes	NOx Sensor	6	A0101539328	£270.00
AEM0095	Mercedes	NOx Sensor	6	A0101539628	£298.00
AEM0105	Mercedes	NOx Sensor	6	A0101531428	£295.00
AEM0106	Mercedes	NOx Sensor	6	A0101531728	£298.00
AEM0121	Mercedes	NOx Sensor	6	A0101531628	£268.00
AEM0127	Mercedes	NOx Sensor	6	A0101531528	£298.00



Adblue Pumps and Dosing Valves

Our remanufactured Adblue pumps are fitted with only OEM components, giving the customer complete peace of mind that the unit is exactly the same specification as a new product.

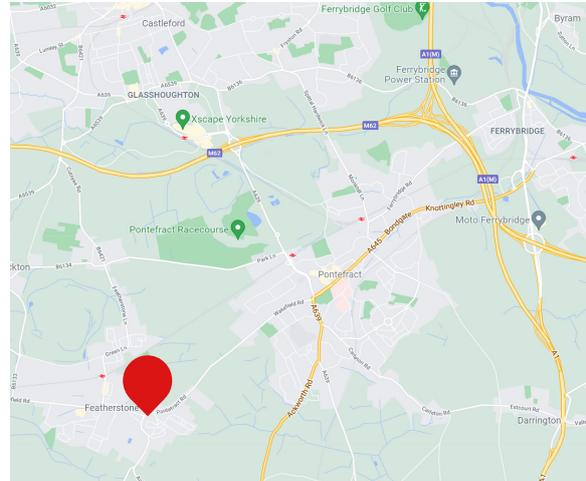


ATT P/N	MODEL	DESCRIPTION	EURO	VEHICLE PART NUMBERS	RRP
AEM0098	MAN	AdBlue Pump	5	0444010037, 81.15403-6098, 81.15403-6099, 81.15403-6016, 81.15403-6028, 81.15403-6090	£1,295.00
AEM0125	MAN	AdBlue Pump	5 & 6	81.15403-9139, 81.15403-6139, 81.15403-6117, 81.15403-6118, 81.15403-6138, 81.15403-6134, 81.15403-9157	£2,895.00
AEM0122	MAN	Dosing Module	5	0444011028, 0444011025, 51154036001	£245.00
AEM0036	Scania	AdBlue Pump	5	1884225, 1855402, 0444010035, 0444010038	£1,250.00
AEM0075	Scania	Dosing Module	5	2001791	£275.00
AEM0076	Scania	AdBlue Pump	6	2549339, 2057543, 2009872, 2655852	£795.00
AEM0112	Scania	Dosing Module	6	2238325, 2238324	£595.00
AEM0033	Mercedes	AdBlue Pump	4 & 5	A0001404478	£795.00
AEM0037	Mercedes	Metering Valve	4 & 5	A0001404139	£695.00
AEM0124	Mercedes	AdBlue Pump	6	A0001402378, A0001408178, A0001404139	£795.00
AEM0129	Mercedes	Metering Unit	6	A0001405539	£695.00
AEM0145	Mercedes	AdBlue Pump	6	A0001402378, A0001408178, A0001404139	£795.00
AEM0010	Renault/Volvo	AdBlue Pump	5	85013130, 85013465, 85013737, 85020841	£695.00
AEM0011	Renault/Volvo	AdBlue Injector	5	21738132	£385.00
AEM0117	Renault/Volvo	AdBlue Pump	6	85022215, 23387865, 22209517, 23387854	£995.00
AEM0074	Renault/Volvo	AdBlue Pump	5	7485020842, 85020843	£695.00
AEM0097	Renault	AdBlue Injector	5	7421234246	£335.00
AEM0107	Renault	AdBlue Injector	5	7421738120	£375.00
AEM0142	Volvo	AdBlue Injector	5	21738122	£485.00
AEM0174	Volvo	AdBlue Injector	5	21738124	£375.00
AEM0021	Volvo/Renault	AdBlue Injector	5	20766865, 20908910	£395.00
AEM0184	Volvo	AdBlue Pump	6	21574975, 22851845, 85021151	£695.00
AEM0206	Volvo/Renault	AdBlue Injector	5	21738126	£425.00
AEM0087	Volvo	AdBlue Injector Nozzle	6	22588468	£145.00
AEM0123	Volvo	AdBlue Injector	5	21738116	£350.00
AEM0060	Iveco	AdBlue Pump	6	50436526, 504193263	£795.00
AEM0070	Iveco	AdBlue Injector	6	504365576	£250.00
AEM0110	Iveco	AdBlue Pump	5	50374326	£695.00
AEM0201	Iveco	AdBlue Injector	6	504381880	£295.00
AEM0207	Iveco	AdBlue Injector	5	5801755287	£395.00
AEM0208	Iveco	AdBlue Injector	5	5801755285	£395.00
AEM0209	Iveco	AdBlue Pump	4 & 5	504200399	£1,095.00
AEM0134	Iveco	AdBlue Pump	6	5802513619, 504381868	£825.00
AEM0002	Cummins	AdBlue Pump	5	1705244, 5273338	£595.00
AEM0031	DAF	Dosing Module	4 & 5	1791538, 1819790	£275.00
AEM0045	DAF	Dosing Module	5	1791539	£250.00
AEM0047	DAF	AdBlue Pump	4 & 5	1818625, 1746947	£1,150.00
AEM0057	DAF	AdBlue Pump	4 & 5	1791540, 1693191	£1,095.00
AEM0090	DAF/Cummins	AdBlue Pump	6	1819797, 2871880, 662569-4, 662102	£795.00
AEM0136	DAF	AdBlue Injector	6	1819798	£225.00
AEM0137	DAF	AdBlue Injector	6	1975291, 5305254	£295.00
AEM0210	DAF	AdBlue Pump	6	2115624	£1,495.00
AEM0211	DAF	Dosing Module	6	2115847	£725.00
AEM0126	Cummins	Injector Nozzle	4 & 5	4936201, 4999800	£128.00

Directions to Alliance Transport Technologies Ltd. - Remanufacturing HQ

Home of the company's remanufacturing services.

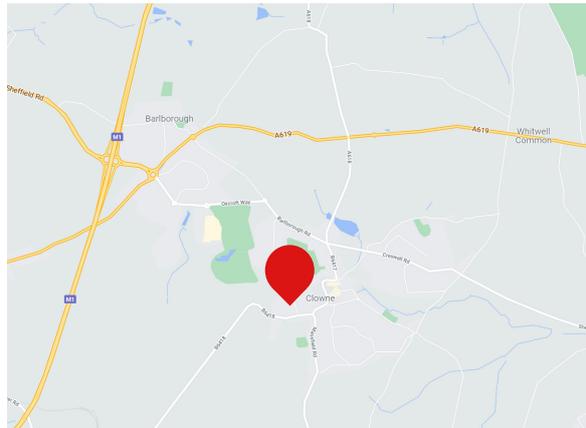
- M1 Junction 30 exit onto the A616
- At the roundabout, take the 3rd exit onto Oxcroft Way A616
- At the next roundabout, take the 2nd exit and stay on Oxcroft Way A616
- At the next roundabout, take the 1st exit and stay on Oxcroft Way A616
- At the following roundabout, take the 2nd exit onto Barlborough Rd A616
- Turn right onto Boughton Lane
- At the end of Boughton Lane cross over the High Street and enter The Arc complex
- As you enter the car parks you will see 3 Buildings making up The Arc
- Alliance Electronics Ltd is the centre building, to the left is
- Bolsover council and Children 1st nursery is to the far right.



Directions to Alliance Transport Technologies Ltd. - New Parts and Workshop HQ

Home of the company's new parts, field support, engineering recruitment and OEM support.

- Leave the M62 at Junction 31
- Continue to Pontefract Rd/A655
- Continue on A655. Take B6134, Sewerbridge Ln and Common Side Ln to Green Ln
- At the roundabout, take the 1st exit onto Green Ln
- Continue on Green Ln and turn right onto Innovation Square
- Alliance Transport Technologies is Unit 2



Download our app!



-  Order New Parts
-  Book Your Repair
-  Book An Engineer
-  Live Chat To Our Team

Keep up to date with the latest ATT news on social media!

