



Allison Transmission and Biffa Honored With Best Fleet Management Award for Partnership to Reduce Fuel Consumption and Emissions

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INDIANAPOLIS--(BUSINESS WIRE)--Jun. 27, 2023-- Allison Transmission and Biffa, the UK's leading sustainable waste management company, were recognized with the Best Fleet Management, Private Sector Award at the 2023 Fleet Vision International Awards in London. The annual awards shine a light on excellence in the fleet and logistics industry and honor organizations that have achieved the most notable results regarding improvements in air quality and effective fleet management strategy.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20230627529143/en/>



Nathan Wilson, Account & Area Sales Manager, United Kingdom & Republic of Ireland at Allison, and Steve Lea, Fleet Category Manager, Biffa, accept the Best Fleet Management, Private Sector Award at the 2023 Fleet Vision International Awards in London. (Photo: Business Wire)

"We are honored to be recognized for our collaborative work with Biffa to reduce the fuel consumption in their vehicles to support their emissions reduction initiatives," said Kevin Kluemper, Executive Director, Customer Integration Engineering, Allison Transmission. "Allison's previous research has indicated that the driveline of a vehicle, including the axle, is a key area of focus when optimizing a vehicle for the ideal blend of fuel economy and performance. This is what drives us to work closely with our OEM and fleet customers, including Biffa, to determine the ideal axle ratio for their unique needs rather than simply implementing standard axle ratios that are routinely offered on new vehicles."

Through its industry-leading customer integration and validation process, Allison partnered with Biffa to determine optimal axle settings for Mercedes-Benz Econic refuse collection trucks. By running simulations on its iSCAAN (internet System for Computerized Application ANalysis) program, Allison identified that switching these trucks from the standard 6.84:1 axle ratio to a shallower 6.0:1 ratio could reduce fuel consumption by up to 3%, as well as

lower cab noise. Thanks to Allison's Continuous Power Technology™, which nearly doubles engine torque at launch while delivering power to the wheels without interruption when shifting, vehicle performance was not impacted.

Allison leverages system integration software and modeling tools including its iSCAAN software program to optimize vehicle configurations, evaluate vehicle acceptability and predict vehicle performance. Through matrix analysis, iSCAAN quickly evaluates changes to driveline ratios and shift calibration features. In addition, through software simulation, iSCAAN is capable of evaluating the performance and fuel economy tradeoff of Allison products, such as different transmission gear ratios and various FuelSense 2.0® features, such as Acceleration Rate Management.

In 2021, Allison announced the retrofitting of its FuelSense 2.0 software to Dennis Eagle and Mercedes-Benz Econic trucks operated by Biffa. This aftermarket order followed a six-month trial in which Biffa found that FuelSense 2.0 delivered fuel savings of up to 9% and a reduction of approximately 4,500 kg of CO₂ per year. This equates to approximately a £600,000 reduction in diesel costs per year.

About Allison Transmission

Allison Transmission (NYSE: ALSN) is a leading designer and manufacturer of propulsion solutions for commercial and defense vehicles and the largest global manufacturer of medium- and heavy-duty fully automatic transmissions that *Improve the Way the World Works*. Allison products are used in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (school, transit and coach), motorhomes, off-highway vehicles and equipment (energy, mining and construction applications) and defense vehicles (tactical wheeled and tracked). Founded in 1915, the company is headquartered in Indianapolis, Indiana, USA. With a presence in more than 150 countries, Allison has regional headquarters in the Netherlands, China and Brazil, manufacturing facilities in the USA, Hungary and India, as well as global engineering resources, including electrification engineering centers in Indianapolis, Indiana, Auburn Hills, Michigan and London in the United Kingdom. Allison also has approximately 1,600 independent distributor and dealer locations worldwide. For more information, visit allisontransmission.com.

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