



Integral Powertrain Limited and NIO 333 Formula E Team enter into long-term electrified powertrain technical partnership to support the team's ABB FIA Formula E World Championship.

The e-Drive division of Integral Powertrain Limited (IP), manufacturer of world-class, record-breaking electric motors and inverters, announces today that it has entered a Technical Partnership with the NIO 333 Formula E Team.

IP has worked with the UK based division of the 333 Racing Team to develop the electric powertrain for its upcoming Season 7 and Season 8 campaigns in the ABB FIA Formula E World Championships including the engineering and supply of bespoke, high-performance electric motors and inverters.

The focus for this powertrain is efficiency rather than ultimate power to weight ratio that IP has become famous for and, by adapting its motor and inverter technology to make full use of the weight allocated by the team, it has achieved outstanding results.

Operating at 200kW the motor achieves 98.6% efficiency whilst the inverter, utilising the latest Silicon Carbide technology operates at an astonishing 99.5% efficiency.

[insert inverter image IPT051120 0536 as approved for use by NIO email 24/03/2021]

This combined optimisation of powertrain and gearbox is the result of close collaboration between 333 Racing and Integral Powertrain which this technical partnership cements officially.

Arnaud Martin, Head of Motorsport & Inverter Systems, Integral Powertrain Limited.

"Formula E is all about efficiency, it is therefore the ideal platform for us to showcase our high efficiency motor and inverter technology. As a result of its extreme requirements, our involvement in Formula E allows us to push the boundaries of electrification technology which in turn benefits our other programs in automotive, aerospace, and marine applications.

The partnership with NIO 333 is the logical continuation of a very strong collaborative approach to the powertrain optimisation which has already demonstrated its benefits after the first race weekend. Throughout the year we will work to deliver further incremental improvement which should benefit the team's on track performance.

We wish NIO333 the best for Season7 and Season8."

[insert images of NIO 333 Racing Team]

Duncan Laycock, Chief Technical Officer, NIO 333 Formula E Team

"333 Racing welcomes Integral Powertrain as a Technical Partner. At the forefront of electric powertrain technologies, the IP team work with our engineers to provide a tailored e-drive solution. The efficiency gains from MGU, MCU combined with our latest transmission mark a significant step for 333 Racing's Season 7 powertrain. Last season was about consolidation and putting the correct technical partners in place. The Diriyah E-Prix saw the first competitive outing for the powertrain rewarded with both cars in super pole and double points finish. Given the ultra-competitive nature of this championship, fractions of a percent make the difference. IP's continued contribution, and their first principles no nonsense approach, make the collaboration a pleasure."

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About Integral Powertrain Limited

Integral Powertrain Limited (IP) is a global engineering & manufacturing business that, for more than 20 years has been continuously developing next generation electric powertrain technologies as part of the move towards a more sustainable way of powering vehicles. Working closely with prestigious manufacturers and Tier 1 suppliers globally, IP's engineers create some of the world's most innovative, high performance and market leading powertrain and power dense e-Drive solutions used for a wide range of applications in motorsport, passenger, and off-highway vehicles as well as aerospace, marine and industrial equipment.

The multiple award winning, record breaking company operates two divisions; Integral e-Drive and Integral Powertrain and employs over 150 people at its new Milton Keynes Technical Centre and Emissions Test Centre. The company was honoured with many awards in 2018, including the prestigious Royal Automobile Club's Dewar Trophy. www.integralp.com

About NIO 333 FE Team

The NIO 333 Formula E Team has participated (under different ownerships) in the FIA Formula E Championship since its inception and won the inaugural Drivers' Championship title as Team China Racing in 2015. '333 Racing' partnered with the team in September 2019 and entered in to the sixth season of the all-electric racing series as the NIO 333 FE Team. NIO, a global smart electric vehicle company, remains as the team's Primary Partner. The new organisation is fully managed and operated by motorsport management company, Li Sheng Racing Co. Ltd in China, while its European subsidiary responsible for Research and Development, technical support, marketing and media, is based in Oxfordshire, UK. **Media Contact:** emma.bearpark@bie-uk.com

About Formula E and the ABB FIA Formula E World Championship

Formula E exists to accelerate sustainable human progress through the power of electric racing. The only sport certified net zero carbon since inception, Formula E was founded to counteract climate change by accelerating the adoption of electric vehicles.

The ABB FIA Formula E World Championship brings intense and unpredictable all-electric racing to the heart of iconic cities around the world. In its first six seasons Formula E crowned five different champions and celebrated 17 winners in 69 races. With more automotive manufacturers on the grid than any other motorsport, the ABB FIA Formula E World Championship is not only one of the most compelling racing series on the planet but also an unparalleled proving ground for race-to-road electric vehicle and sustainable mobility technologies. Powered by purpose and united by a passion to deliver edge-of-seat racing, the positively charged Formula E community of teams, manufacturers, partners, broadcasters, host cities and fans work together to light up the world with the transformative power of electric racing. www.FIAFormulaE.com

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