

ABT e-Line 2021 – Press Release week 39

Infinity Racing goes electric ABT e-Line supports Kempten University formula project

Team Infinity Racing at Kempten University designs and builds a formula racing car every year. Around 60 students from nearly all faculties contribute their skills to this registered association to put a road- and competition-ready racing car on the starting grid at Formula Student. Teams from all around the world compete in the associated events, where the focus is not only on the high-powered cars, but also on the static disciplines. Infinity Racing has been active since 2007 and is now facing its greatest challenge – the move from combustion engine to electric drive.

Its first electric racing car, „Silicia“, is due to make its debut in 2022. **ABT e-Line** supports Infinity Racing by providing an **ABT e-Transporter 6.1** for environmentally friendly transport of replacement parts. It also contributes its e-mobility expertise and helps with training courses. In addition, **ABT e-Line** provides prototype components and special tools. Max Stahl, Head of Testing and Homologation at **ABT e-Line**, said of the project: "We are delighted to be able to support Infinity Racing in their move to electromobility and are eagerly following their progress. With our support, we aim to place more focus on new mobility concepts and inspire young minds with the technical possibilities".

As the „Silicia“ racing car is still under development, the vehicle details have not been finalised. However, the drive concept has been decided. Four wheel hub drives delivering a total of 140 kW (190 HP) provide the vehicle, which weighs around 200 kg, with up to 1600 Nm of torque. An in-house developed battery and inverter complete the 600 V drive train. The full carbon monocoque construction is supported by a double A arm and an aerodynamically optimised chassis design rounds off the race car. Each drive can be controlled individually to transfer its full power onto the tarmac by means of so-called torque vectoring. Its maximum speed is reached at around 124 km/h.

Silicia's initial test drive is planned for May 2022. Thereafter, it will up the ante at the year's most important events at famous tracks in Hockenheim, Spielberg, Barcelona and Assen, among others.

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Press Contact: ABT e-Line GmbH; Karla Kanz; Johann-Abt-Str. 2; D-87437 Kempten
Phone: +49-831/57140-58; email: media@abt-sportslines.de

Press Contact: IKmedia GmbH; Andreas Hempfling; Friedenstr. 33; D-90571 Schwaig b. Nürnberg
Phone: +49-911/570320-16; fax: +49-9111/570320-69; email: ah@ikmedia.de