

Raeder Motorsport – without the FaroArm, this project would not have been possible



Raeder Motorsport GmbH, based in Büren (Germany), is a young, innovative team, specialising in professional motor racing applications. The focus of the action is on the construction, development and deployment of the vehicles for various motorsport series. On top of this, Raeder Motorsport also provides integrated solutions for achieving the individual goals of its customers. Along with the construction of record-breaking vehicles, the technical involvement in motor racing events has also become one of the regular ingredients in the Raeder Motorsport portfolio mix. In this context, the Nicolas and Martin Raeder Motorsport team successfully competed in the BFGoodrich Long-Distance Championship [Langstreckenmeisterschaft] and the 24-hour race on the Nürburgring in 2007.

The idea behind the commitment of the Raeder Motorsport team in the build-up to the season was to design their own racing car using the excellent basis of a Lamborghini Gallardo. Unlike BMW, Porsche or Ferrari, there had been no basic motor sport development for Lamborghini. It rapidly became clear in the initial phase of the project that a professional CAD-based design of a racing car would be impossible without 100%-reliable measurement data. The right solution was ultimately found in the Platinum Series FaroArm, with which the necessary measurements were recorded and processed in the CAD program. The overall design of the racing car and external body shell based on the data recorded with the measuring arm could then finally begin. Moreover, all the package tests for the suspension, radiator, steering, engine and gearbox packages were produced on the basis of the CAD data. „The impressive thing was that we were able to individually measure spatially-separate components and then design and manufacture all sorts of different adaptations, such as brackets and mounts, using the figures produced. Furthermore, when completing the various subassemblies we had no assembly problems at all, thanks to the very high level of accuracy. As a result

of these advantages, we not only saved an awful lot of time, but also made great gains in terms of safety. Another plus point is that we were able to carry out tremendously simple and flexible quality assurance on our outsourced components, which had the effect of enhancing process reliability even further. To sum up we can confirm that the use of the FaroArm helped us to successfully complete the project in the short time available."

Managing Director Martin Raeder about the FaroArm:

"If we had been aware of the possibilities of the Platinum Arm right at the start of the project, we could have saved even more time and money."

In their very first active season, they achieved third place in the overall rankings in the VLN BF Goodrich Long Distance Championship.

Kai Gärtling, FARO Key Account Manager, about Raeder Motorsport:

"I followed the Raeder team the entire season with great excitement, and I am absolutely delighted with the success they achieved."

Find more informationen about Raeder Motorsport at www.raeder-motorsport.de



About FARO

With more than 16,000 installations and 7400 customers globally, FARO Technologies, Inc. (NASDAQ: FARO) and its international subsidiaries design, develop, and market software and portable, computerised measurement devices. The company's products allow manufacturers to perform 3D inspections of parts and assemblies on the shop floor. This helps eliminate manufacturing errors, and thereby increases productivity and profitability for a variety of industries in FARO's worldwide customer base.

Principal products include the measuring arms Quantum FaroArm, Fusion FaroArm, FaroArm Platinum, FARO Laser Scan-Arm; FARO Gage, Gage-PLUS and PowerGAGE; Digital Template; the Laser Trackers FARO Laser Tracker X and Xi; the Laser Scanners FARO Laser Scanner LS; and the CAM2 family of advanced CAD-based measurement and reporting software.

FARO Technologies is ISO-9001:2000 certified, and accredited to ISO-17025 Calibration Laboratory Standard. FARO's SIC (Standard Industry Code) is 3829

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