



## Speed // Endurance // Concentration

These three features form the fundamentals for participating at the race at 24 Hours of Le Mans, the world's oldest active sports car race in endurance racing, held annually since 1923. It is considered one of the most prestigious automobile races in the world and is called the "Grand Prix of Endurance and Efficiency". The challenge is to drive most kilometers in 24 hours. This demanding and dangerous contest attracts about 250.000 spectators every year.



## Providing a private LTE Campus Network for the whole circuit

In racing, decisions must be made in fractions of a second to have the decisive advantage in the field of the driver. As is known, the driver and the team are supported by a variety of technical systems that monitor the performance of the race car and are also crucial for the race strategy. The exchange of telemetry data in real time between the race car and the team stand is an essential and critical component, as the connectivity has to be guaranteed consistently high under all influences.

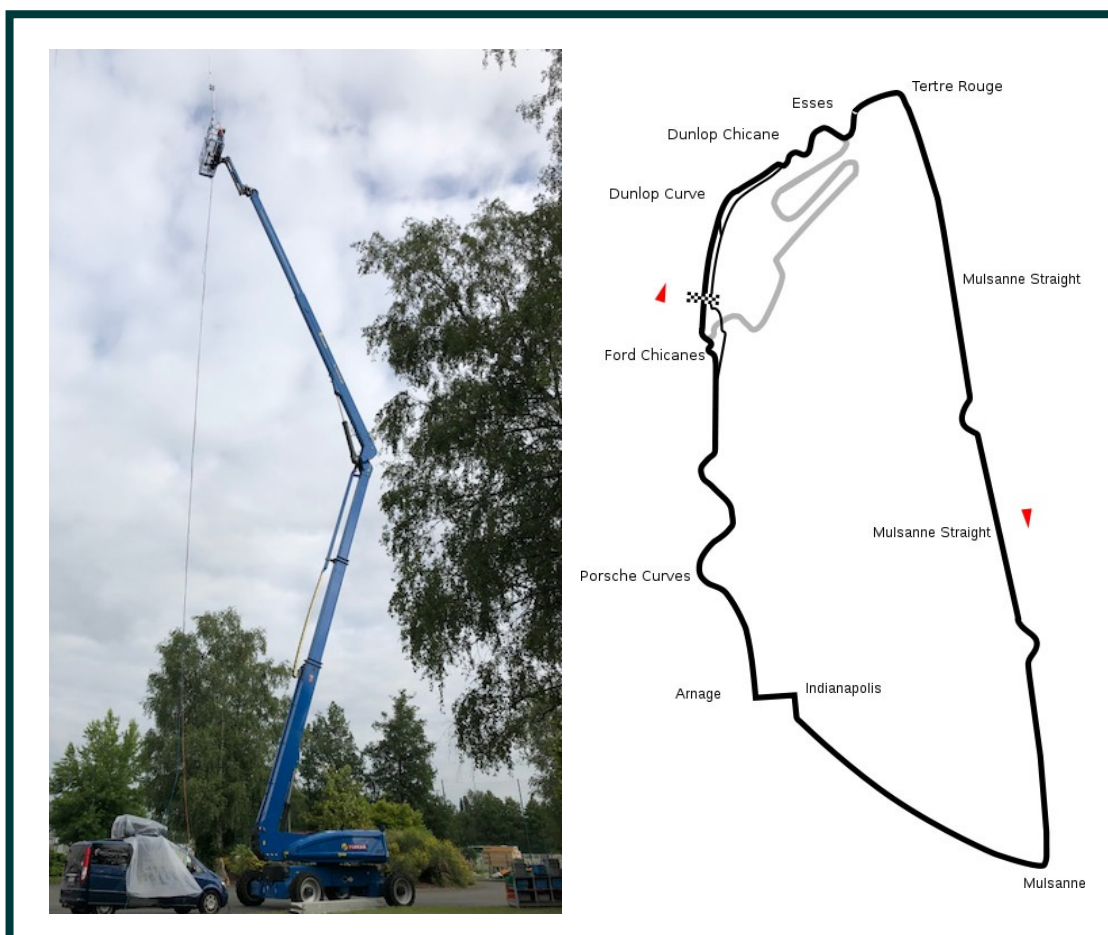
Because we are well versed with the collection of telemetry data, Bosch has chosen Smart Mobile Labs as its preferred partner.

With the willingness to provide LTE coverage for the race that fulfills the criteria of speed, endurance and continuity and thereby ensuring LIVE TRANSMISSION as well as the COLLECTION OF RACECAR METADATA, we provided a:

### PRIVATE LTE CAMPUS NETWORK

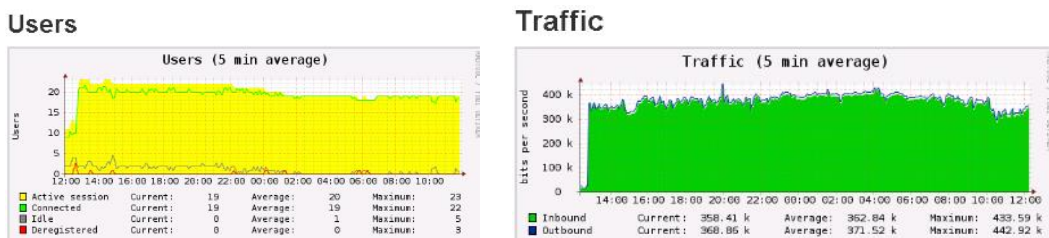
The Campus Network is based on a private 4G/5G network and enables communications regardless of the carrier. It is ideal for tests or for the use on factory premises and integrable into global market-leading base stations.

While in many races the organizer and the teams rely on public mobile networks with bandwidth limits and availability, Smart Mobile Labs has installed an alternative private campus network with LTE standard at Le Mans races. A 40m high LTE antenna was mounted to be able to completely cover the entire race track of 13.6km with a maximum extension from north peak to south peak of about 6km.

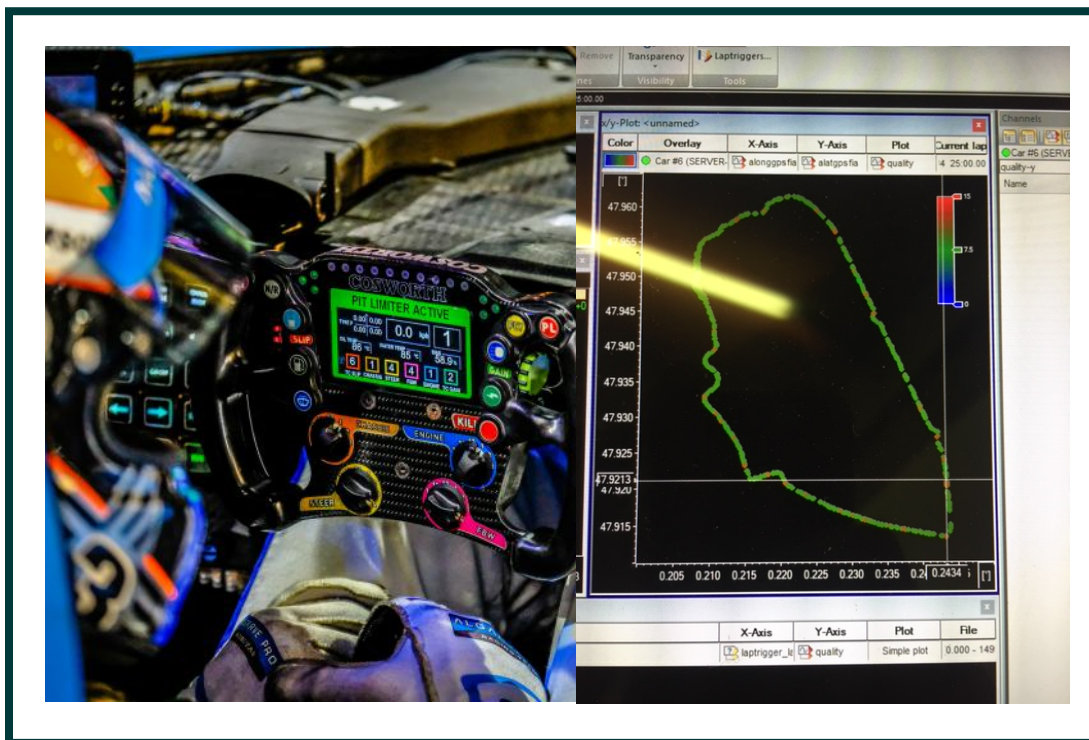


Bosch Motorsport used the technology of Smart Mobile Labs to support the teams of Ford, Ginetta, and Porsche. In parallel, a total of 22 data streams were managed, 11 mobile transmitters in 7 racing cars and 11 transmitters at fixed locations. A look at the values underlines the high and reliable performance of the Private Campus Network.

### PRIVATE LTE CAMPUS NETWORK (measured by Smart Mobile Labs)



### COVERAGE MEASURED BY BOSCH MOTORSPORT



*“This was the best race coverage by LTE in Le Mans we have ever seen.”* Bernd Nottebom, Bosch Motorsport

With the race in Le Mans Smart Mobile Labs can refer to another successfully implemented project in the field of Private Campus Networks. Realized was also a project at the 24hrs race at the Nürburgring.

## **GET IN TOUCH WITH THE FUTURE**

Jakob von Moers  
Senior Business Development

E-Mail: [jakob.vonmoers@smartmobilelabs.com](mailto:jakob.vonmoers@smartmobilelabs.com)

Mobile: +49 (0) 170 635 91 44

## **About Smart Mobile Labs**

Smart Mobile Labs is the global leader in real-time many-to-many video transmissions. With its core technology EVO (Edge Video Orchestrator), the company enables secure, dynamic and high-quality distribution of video, audio and data streams over the mobile network – with a maximum latency of 300 milliseconds. Smart Mobile Labs uses its unique technology to create unprecedented solutions for sports & event venues, public safety and connected cars. In these areas, the startup is a partner for international brands, such as Nokia. The company was founded in 2013 and is headquartered in Munich, Germany. [www.smartmobilelabs.com](http://www.smartmobilelabs.com)