

effedi

**Street
Performance**

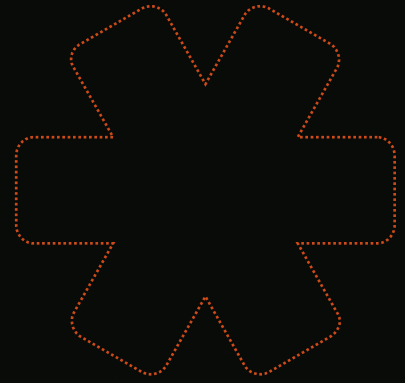
**Motorsport
Engineering**

2025



Motorsport Electronics Integration & Track Support

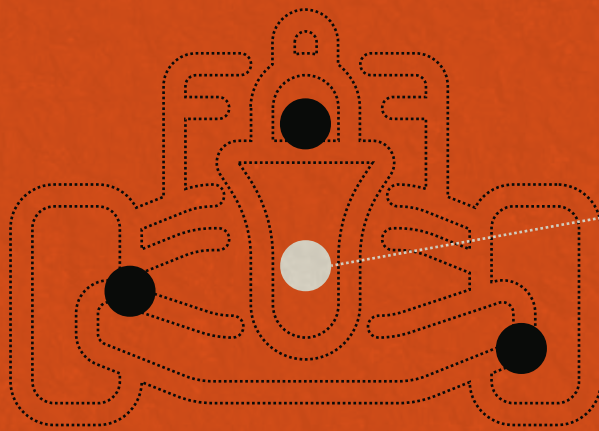
EFFEDI Engineering is a specialised consultancy focused on the electronic systems of high-level racing programmes. We support manufacturers and teams in designing, integrating and operating reliable electronics for official motorsport projects – from initial concept to trackside execution.



Who We Are

**A boutique consultancy
for race car electronics**

EFFEDI Engineering provides engineering consultancy dedicated to motorsport electronics. We work on the “nervous system” of the race car: control units, sensors, wiring, power distribution and data acquisition. Our core team is made of four engineers and eight race electricians, allowing us to cover a full range of roles at the circuit – electrician, data engineer, systems engineer and race engineer – as well as remote work on post-event data analysis and ongoing development between races. Our role is to reinforce the technical structure of official programmes, offering specialised support where standard resources are not enough.



**360°
support**

What We Do

**Complete support for motorsport
electronic systems**

We help racing programmes ensure that every electronic component of the car works together as a single, reliable system. Our services cover architecture, integration, data and on-track support.



Electronic System Architecture & Integration

**Defining and connecting
the electronic core of the car**

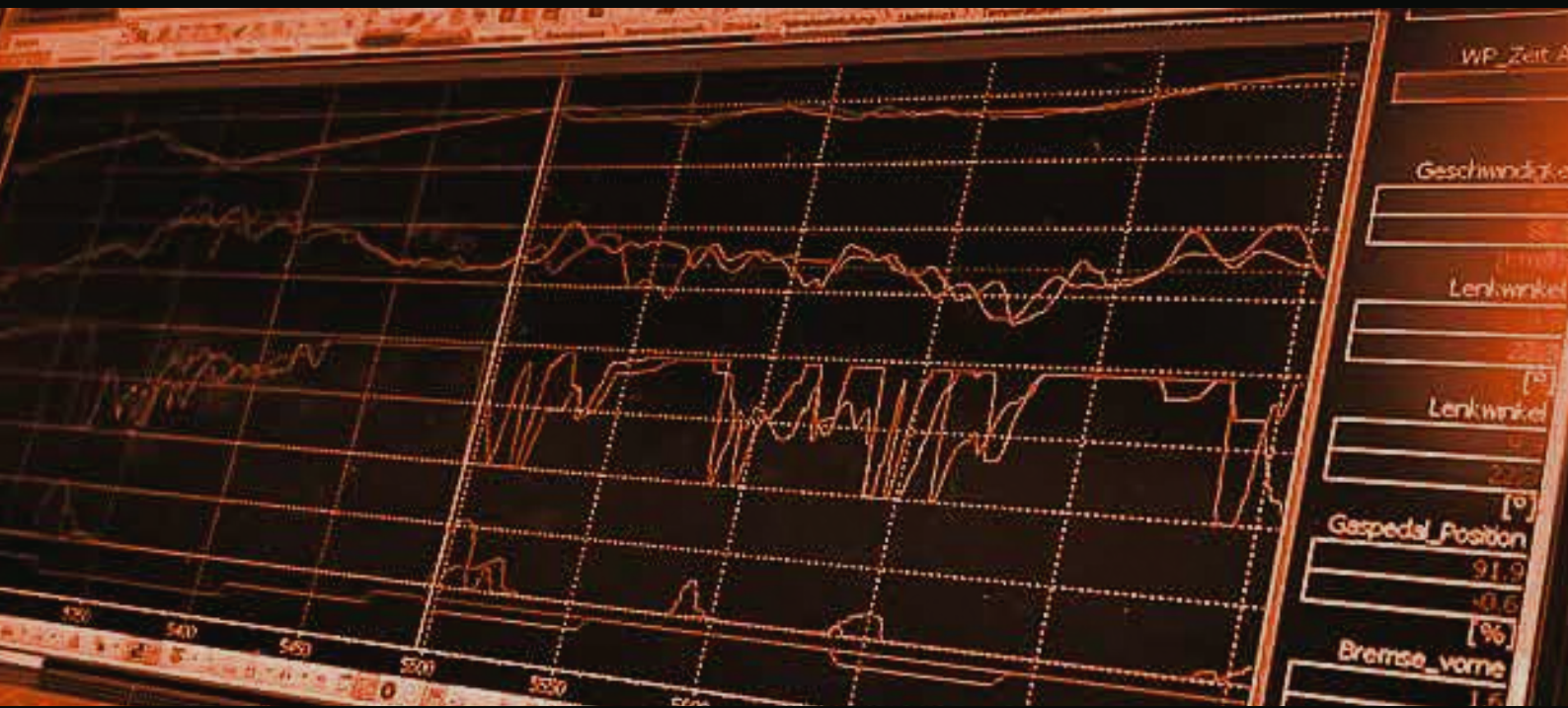
We design and refine the overall electronic architecture: control units, power management, communication networks and interfaces. EFFEDI Engineering ensures that devices are correctly specified, connected and configured, providing a solid base for performance, diagnostics and future developments.



Vehicle Electronics & Advanced Applications

**From conventional race cars
to experimental platforms**

Our work covers the integration of sensors, actuators and control hardware for a wide range of race cars. This includes support for advanced and experimental projects – such as driverless or highly automated prototypes – where electronics must safely interface with external control and supervision systems.



Data & Systems Engineering

**Turning system data
into clear information**

We configure data acquisition, logging and telemetry to give teams a precise view of electronic system behaviour. EFFEDI Engineering helps define parameters, alarms and analysis routines so engineers can identify issues quickly, understand trends and support technical decisions with clear information.

Trackside & Remote Support

**Making sure systems work
when the lights go green**

At tests and races, electronics must perform flawlessly. We support programmes with pre-event checks, live monitoring, troubleshooting and post-event reports. Support can be on-site or remote, giving teams access to specialised electronic expertise throughout the season.





Special Programmes & Driverless Projects

**Engineering support
for cutting-edge racing initiatives**

Top-level motorsport increasingly includes experimental platforms, demonstration cars and driverless challenges. EFFEDI Engineering offers electronic integration and systems support for these programmes, focusing on safe interfaces, reliable data paths and clear separation between vehicle hardware and external control logic. Our goal is to provide a stable electronic foundation on which partners can build and refine their own software and strategies.



How We Work

A clear process, adapted to racing schedules

Our approach follows a straightforward path:

- **Define** – Understand objectives, constraints and current systems.
 - **Design** – Propose or refine the electronic architecture and interfaces.
 - **Implement** – Integrate components, wiring and configurations on the car.
 - **Validate** – Test in the workshop, on benches and on track.
 - **Support** – Assist during events and plan improvements.
- This structure helps reduce risk, keep timing under control and give all stakeholders a clear view of progress.



Why EFFEDI Engineering

**Focused expertise for official
motorsport programmes**

EFFEDI Engineering is fully focused on motorsport electronics. We are not a generalist consultancy: our work starts and ends with the electronic systems of race cars. For organisers, manufacturers and teams, this means a partner who understands the demands of official projects, the pace of development and the level of reliability expected at international events.

Contact

Let's discuss your next programme

If you are planning or running an official motorsport project and need specialised support on electronics integration, data or track operations, EFFEDI Engineering can help. Please use the details below to get in touch and arrange an initial technical discussion.

Via A. Rossi 151
36100 Vicenza (VI)
Italy
+39 348 5840381
effedi-engineering.com
info@effedi-engineering.com

