



SUPERHYBRID

High Performance Hybrid Systems

VERS

*// Auto racing began 5 minutes after
the second car was built.*

-Henry Ford

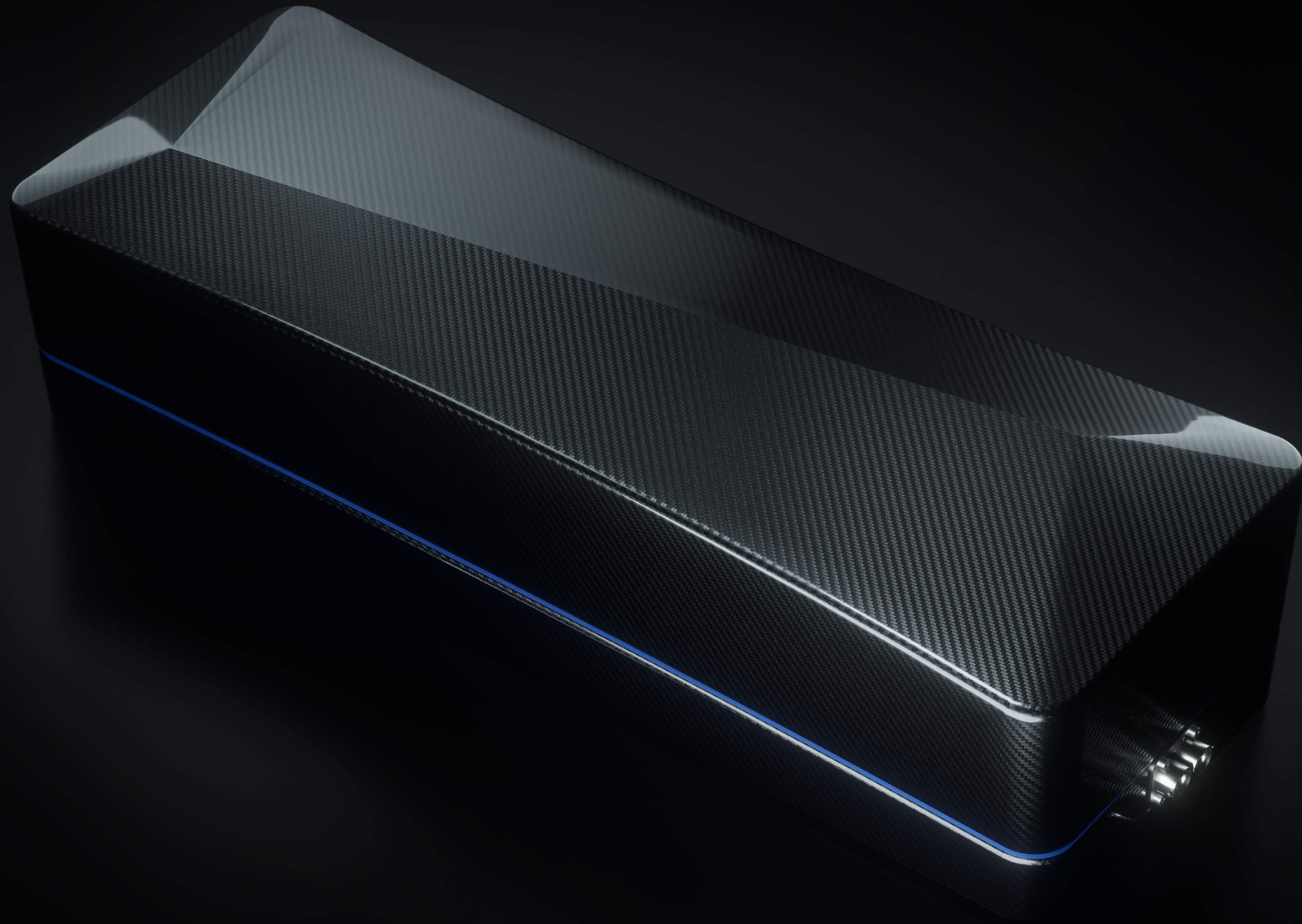
Since then, much has changed. We at VERS are dedicated to enabling **a new kind of experience** of an ultralight Hybrid Powertrain, powering the next generation of mobility.



Acceleration **Electrified**

VERS SuperHybrid System is designed for intensive recuperation, **delivering up to 200 kW of Power** in an ultralight package. The System is self-charging during deceleration, enabling top-class performance and durability in sport and luxury applications.





SUPERHYBRID

The Most Power-dense Energy Module
on the market at 20 kW / kg

SUPERHYBRID

SuperHybrid offers unmatched performance capabilities enabling repeatable 200 kW acceleration power cycles with only 40 kg of added weight.

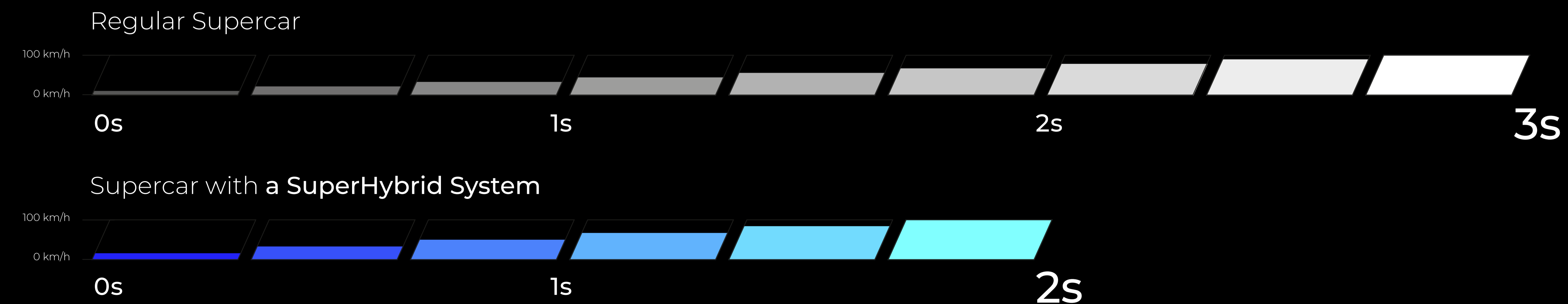
200 kW
Continuous power

42 kg
Ultralight energy module

640 kW
Maximum Power

15 kW / kg
Power to Weight ratio

Acceleration comparison (0-100 km/h)





OEM Applications

The System is designed with sport and luxury vehicles in mind, either for concept models or in series production. SuperHybrid is engineered to withstand over 1,000,000 loading cycles or 70,000 working hours, meeting the most rigorous OEM requirements. Although our key consideration for a hybrid drive is maximum performance, WLTC simulations show up to 30% of improvement in standardized emissions testing.



Motorsport Applications

The System meets the highest possible safety requirements with no risk of thermal runaway under any conditions. The carbon fibre enclosure withstands deceleration profiles of up to 70 g and can be easily fitted in the limited space inside the safety box.

Custom Development

Our Engineering Team specializes in:

- Integrated Power Electronics
300-800 V DC/DC Converters
- Battery Management Systems
Optimised for Performance and Efficiency
- Thermal Management
Liquid cooling at -40°C to 80°C temperature range
- Safety Onboard
No thermal runaway risk involved
- Bespoke Mechanical design
In-house Engineering Support



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