



CUSTOMER STORIES

ISABELLENHÜTTE PROVIDES FORMULA 1 WITH CONTROLLED MEANS OF ACCELERATION FOR NEARLY A DECADE



Converting kinetic energy into electricity—and then into victory.

CHALLENGE

Find an elusive competitive edge in a racing division where much of the engine and body design is heavily dictated by regulation.

SOLUTION

Our measurement technology product IVT-F has been used in the Formula 1 since 2011 and it has been used in the 24-hour Le Mans race and Formula E series since 2014. The module is integrated into the Electric Kinetic Energy Recovery System—converting kinetic energy gained in the braking process into electricity. This power is stored in lithium-ion batteries and fed back into an electric motor that boosts the Formula 1 car's combustion engine during acceleration periods.

APPLICATION

High-performance automotive electrical measurement for current, voltage, and temperature.