

What we did well 10 years ago, we do even better today!

Regenerative High-Power Solutions for the Utility Vehicles Sector: Simulating and Testing Batteries for Bidirectional Electronic on-board Power Devices

The year 2003

The advantages of electrical traction aboard of utility vehicles like buses and trucks have been discovered early, be it as main drive or as hybrid configuration. Already in 2003, Regatron AG developed powerful and regenerative Source/Sink-systems for the respective drive train tests. Even back then, parallel operation of modules allowed for system power of up to several hundreds of kilowatts.



**Modular Source/Sink
power system 100 kW
for utility vehicles
year 2004**

The year 2009

Some five years later in 2009, the compact bidirectional TopCon TC.GSS unit was created, offering even more flexibility by the ability to work in parallel, serial and even Mixed Mode.



TopCon TC.GSS 32 kW

Today

Nowadays, 10 years later, Regatron TC.GSS systems are known as worldwide recognized modular power Source/Sink systems. A number of well-established truck and bus manufacturers belongs to Regatron's cross-sector clientele.

In addition to the versatile hardware, powerful application software is supporting the engineers in the field of drive testing, battery simulation, onboard power simulation and electrical storage tests and R&D.



**768 kW Source/
Sink-System in 2014**