

## True-Device Real-Time Emulation for Traction Drive Applications

### All in one

Simulates and debugs the complete system, including power stage and control structure

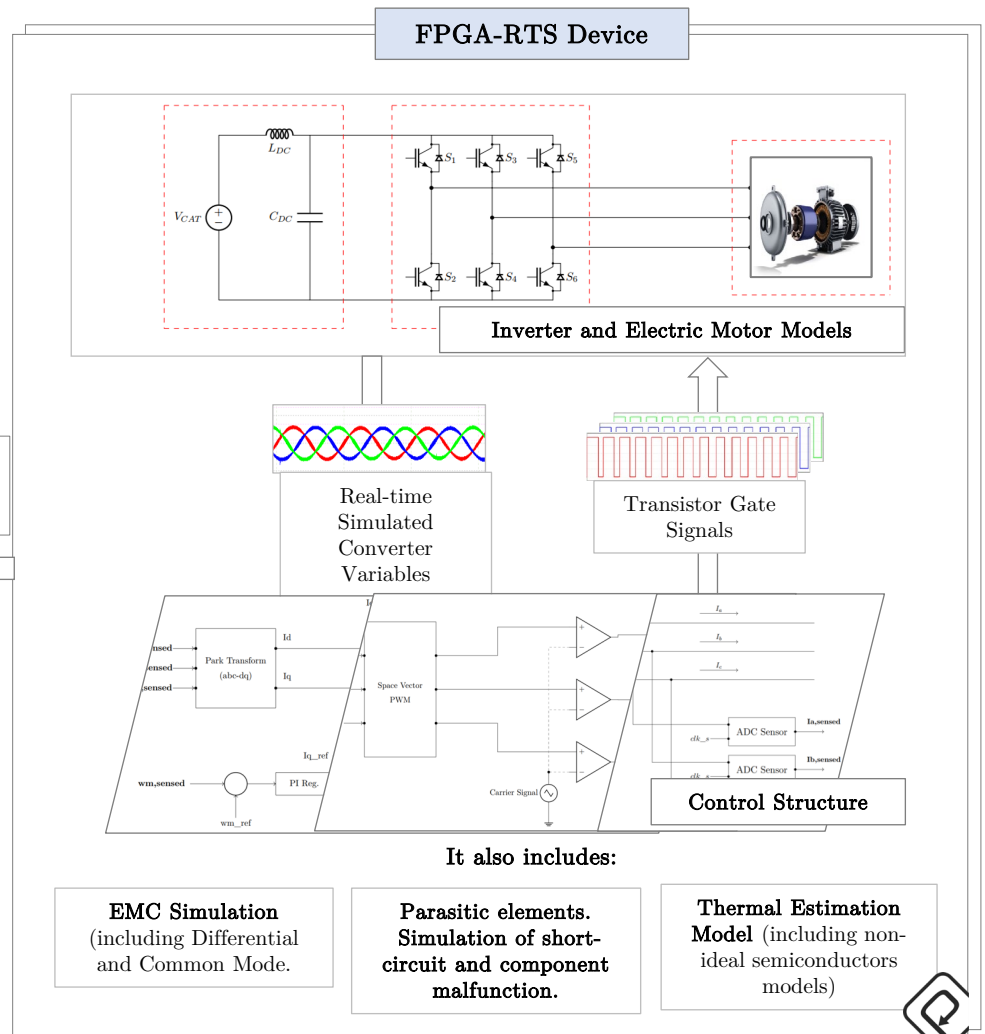
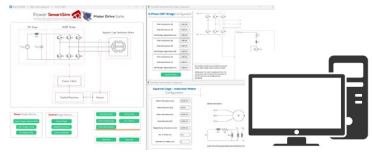
### Desktop PC

Parameters configuration for electrical models and control functions

High-speed Waveform Display and Datatracker

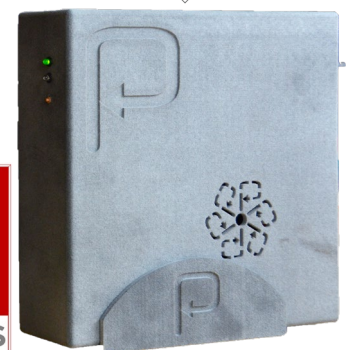
Fully customizable user interface.

High-Speed Ethernet Connection



Proprietary simulation engine and models running in an acceleration hardware device

- Ability to simulate **long periods of simulation in real-time.**
- The full mission (minutes) simulated at switching frequency makes the use of an **off-line simulator inviable.**
- The **parasitic lay-out effects** fully supported.
- Analysis of the **input filter** interaction dynamic.
- Allows **adjustment and design of the control stage.**



## Multi-Purpose User Interface

Full parametrization of motor, inverter, layout and input filter model.  
Online adjustment of the controller parameters.

## High-Performance Waveform Display

Real-time visualization of switching events and complete mission (acceleration-coasting-breaking.) and internal variables (dq currents, back EMF, torque, power, speed).

