

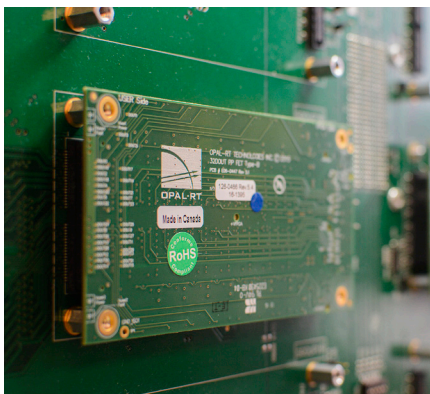
## OPAL-RT GERMANY GMBH

### **OPAL-RT is a world leader in real-time simulation and Hardware-in-the-Loop (HIL) testing equipment.**

Since 1997, OPAL-RT has empowered engineers and researchers with accessible, cutting-edge, and customized real-time simulation technology to accelerate the development of better products and more reliable energy transmission.

Real-time simulation processes let engineers quickly test and iterate their control strategies in order to decrease development costs and time to market. These processes, used by all industries, allow corrections to be made early in product development. Thus, mistakes can be corrected and optimizations can be made while it is still inexpensive to do so.

Our main goal at OPAL-RT is to help you to make innovative ideas a reality--and to help our users build better products and solutions, in the hope of creating a better world.



### **Power Electronics: Do the impossible**

For nearly 20 years, OPAL-RT has conducted extensive research and development in the field of power electronics in order to deliver the fastest and most accurate Hardware-in-the-Loop simulation. OPAL-RT platforms for testing and validation of electronic controls cover a wide range of applications, from renewable energy conversion to highly complex multi-modular converters (MMC) and the electric motors of tomorrow's transportation industry.

By combining precise expertise, experience and mathematical innovation, OPAL-RT has succeeded in creating the market's fastest computing level for HIL simulation on FPGA for power electronics applications achieving time-steps in the nanosecond speed range. Fast real-time simulation achieves more accurate results and increases HIL and RCP test coverage, and now pushes back the boundaries of what is achievable with PHIL applications.

### **Our presence worldwide**

OPAL-RT has gained the trust of around 1000 customers, including many Fortune 500 companies, academic institutions and laboratories. Over 2,000 people are using OPAL-RT in more than 40 countries around the world. Technical support centers are located in Europe (France), China (Beijing) and technical support and R&D centers in USA and Germany. Additionally, OPAL-RT products are also sold and supported by a global network of distributors based in Brazil, Canada, China, Italy, Japan, Korea, Russia, Singapore and Taiwan."

