

Solutions for Electrification in Electric Vehicle & Grid applications



Who Are We?

Powersys is a **worldwide engineering software and services company** delivering global **solutions for electrification** to industries, research institutes and universities involved in **Electrical Vehicle and Grid applications**.

Our mission is to solve the electrification challenges of our customers by providing them with the right high-performance simulation software and supporting the software integration.

Our solutions for electrification by product

As a **worldwide engineering software company**, Powersys contributes actively to the development and success of **vehicle and grid infrastructure electrification** at different application levels:

- The design of embedded power systems and mechatronic systems of electric vehicles
- The multiphysics optimization of magnetic and electric embedded equipments
- The cooling of embedded power system equipments
- The integration of EV in the electrical networks
- The modeling, analysis and simulation of power system transients

To achieve this purpose, since 2002, our company has built a unique complementary portfolio of simulation software.

What Do We Do?

01 SOFTWARE INTEGRATION & CUSTOM DEVELOPMENTS

Thanks to its unique complementary portfolio of simulation software, Powersys helps its customers to choose the best solution fitting its needs.

The fifteen years expertise of our engineering team in electromagnetics, power electronics multiphysics system level, computational fluid dynamics and power systems + a close and strong collaboration with the software developers allow us to customize the software to fit your needs better and increase your productivity!

04 TRAININGS

As a recognized training organization, Powersys organizes public and private trainings from basic to advanced levels. Whether you are an industrial or an academic, we help you masterize the different functionalities of the simulation software we distribute. We can also organize private trainings at our office or at customer place.

02 SIMULATION STUDIES

Electrification is part of our DNA and this is why we know how to perform transient studies the right way.

We can support the development of complex projects in different engineering domains: simulation/optimization, modeling, development and robust design.

Our consulting offers are unique and tailor-made in order to answer your needs and solve your challenges.

05 WEBINARS

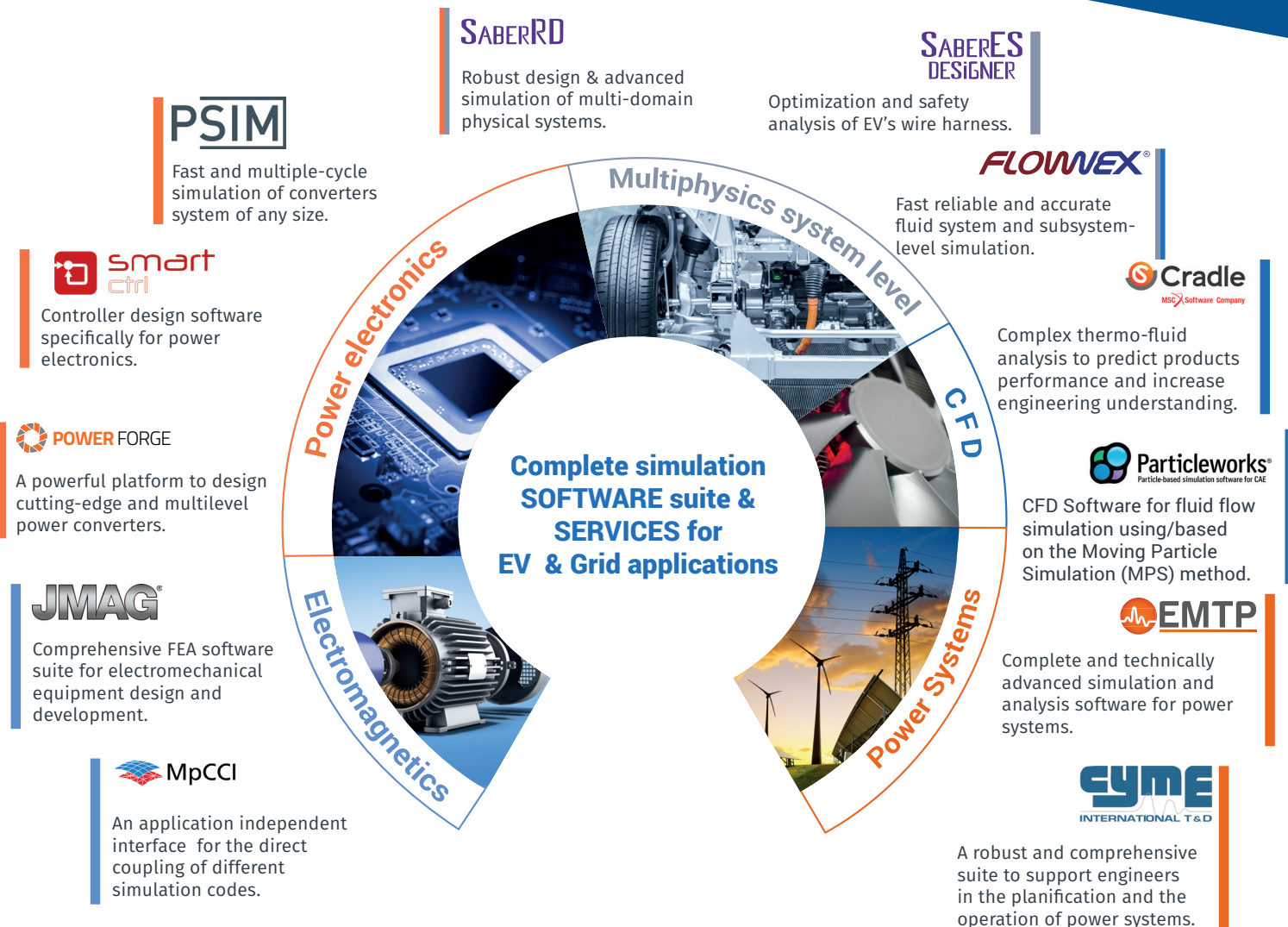
With the willingness to remain close to the real industrial challenges of our clients, we organize webinars to demonstrate how our portfolio of software bring solutions to the day-to-day work of electrical and electromechanical engineers.

03 TECHNICAL ASSISTANCE

Our engineers team help customers under maintenance contract from the installation of the software till the solving of engineering and simulation challenges.

06 USER CONFERENCES

Thanks to our large software user community, Powersys organize regularly user conferences in order to foster the open discussions and exchanges between the developers, our support team and the users.



Whom Do We Serve?

At Powersys we provide local and global customers with different applications:

- Electrical power systems and networks
- Power electronics and drives
- Electromagnetics
- Computational Fluid Dynamics (CFD)
- Multiphysics & System level

Our solutions for electrification by service

Powersys engineering team has more than 20 years of experience and expertise in the field of:

- Power systems
- Physical systems advanced simulation
- Robust design analyses.

We provide you with the best suited solutions to answer your requirements, objectives and projects in a comprehensive array of engineering services.
The success of your projects is our main goal.

Our customers

Most organizations are concerned by challenges of electrification. Powersys works with more than 2,000 worldwide organizations involved in various sectors such as electric power facilities, consumer goods, automotive, aerospace, industrial, renewable energy...



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EFFICIENT TECHNICAL SUPPORT

By working together with clients, POWERSYS application experts provide assistance to our customers and collect feedback that are taken into account for future software enhancements.

COMPREHENSIVE TRAINING OFFER

POWERSYS also provides comprehensive training programs that help you meet today's challenges and improve your simulation skills. A global training solution is offered for all levels, from beginners to advanced users. All trainings can be held at our customers locations.

HIGH SKILL CONSULTING

We offer through our associated staff (POWERSYS and partners) a variety of consulting services worldwide to assist you regarding new and emerging problems related to the application fields of our software. POWERSYS has an exclusive team of expert engineers and an extensive experience as developers and users.

Our areas of expertise

POWER SYSTEMS

- ▶ Stability
- ▶ Power generation integration
- ▶ Optimization
- ▶ Protection
- ▶ Cable ampacity
- ▶ Ground design

PHYSICAL SYSTEMS ADVANCED SIMULATION

- ▶ Simulation / optimization
- ▶ Modeling
- ▶ Development
- ▶ Robust design

Please contact us directly at engineering@powersys-solutions.com for more details or specific enquiries. We will be pleased to promptly answer any of your questions and find the right solutions.

A worldwide presence

Powersys' headquarter is located in Le Puy Ste Réparate, France.

The group has 3 subsidiaries:

- Powersys Inc. (USA)
- PWSIM (India)
- PGSTech (Canada), the EMTP developer and expert in power systems studies

We have 7 technical support centers in Europe (France and Germany), USA (Michigan & California) and India (Chennai and Bangalore).

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