



POWER DESIGN
TECHNOLOGIES

PRESS RELEASE

Power Design Technologies officially launches its new design platform PowerForge at PCIM Europe 2018

Nuremberg (Germany) – June 7th, 2018 - Software company Power Design Technologies officialises the launch of its new design platform PowerForge at PCIM Europe 2018. PowerForge is the first platform for design, exploration and comparison of advanced power converter designs.

Background

Environmental crisis urges every organization to take immediate actions and to adopt more efficient behaviors. At Power Design Technologies, we have always been convinced that power conversion was a key aspect of the energy transition we all have to embrace. Even if power electronics has made tremendous progress in the last 20 years, we believed that there was still a lot to improve, particularly in the world of design tools.

It is not unusual to find converters on the market with efficiency as high as 95%. However, state-of-the-art products clearly shows that new multilevel topologies can go one step further by delivering even higher efficiency while also reducing weight and volume.

“In that case, why do so few projects implement them?”

The reality is that multilevel topologies are relatively new and still need to gain mainstream adoption! In addition, designing a converter requires very highly skilled engineers and many interactions between design team and partners/suppliers.

With PowerForge, we fill the gap by bringing a cutting-edge design platform to help designers build the power converters they actually need.

PowerForge features and benefits

PowerForge is a powerful software platform for the design, exploration and comparison of power converter designs. PowerForge empowers development teams early in the design process by covering all major aspects of power conversion in one single platform: topologies, passive and active components, filtering and cooling.

Key features of PowerForge include:

- Automated design of bidirectional non-isolated DC/DC and DC/AC conversion stages in the kW to MW range
- Effortless transition and comparison between traditional 2-level and advanced multilevel topologies thanks to native support for NPC, flying-capacitor and interleaved parallel cells
- Device and material libraries including IGBT & MOSFET (Si & SiC), capacitors and magnetic materials
- Instant mass, volume and loss estimates for active and passive components
- Ready-to-use file exports for industry standard software
- Real-time, collaborative multi-user project sharing thanks to cloud access

“We are very proud to officially launch PowerForge today at PCIM. This is the biggest power electronics exhibition in Europe and it is crucial to show our customers that we are present. PowerForge is already available to our customers worldwide in particular with a presence locally in Europe, North-America and India. PowerForge is a great product and we want our customers to know they can count on us!” said Nicolas Videau, CEO of Power Design Technologies.

About Power Design Technologies

Power Design Technologies is a software company specialized in building cutting-edge solutions for power converters designers. With distribution channels in Europe and North America, we help our customers build smaller, lighter and more efficient products in record time by giving them access to the most advanced topologies. PowerForge software offers a seamless experience from product specification to trade-off for most complex multilevel topologies and sizing of passive and active components.

For more information: <https://powerdesign.tech>

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