

What are the key differences between SimPowerSystems (MathWorks) and Smart PowerSimulation Software (OPAL-RT), and why does this transition matter?

SimPowerSystems was originally developed over 30 years ago by Hydro-Québec's research institute (IREQ) and became a foundational MATLAB/Simulink toolbox for offline power system simulation. SmartPower Simulation Software (OPAL-RT) is the next evolution of this technology, preserving its legacy while introducing the foundation for future enhancements. New demo models and blocks will be introduced progressively as part of OPAL-RT's roadmap for continuous innovation.

Will my existing SimPowerSystems models still work?

Yes! Previously created models will work with no to minimal effort as long as you install the SPS Software and have the appropriate license.

Do I need to redesign my models or learn new tools?

No. The same blocks you know and use will still exist; they are simply relocated to the SPS software library. Your workflow remains unchanged.

If I have an existing MathWorks license for SimPowerSystems, can I transfer it to OPAL-RT? Do I need to pay extra?

Clients with an active MathWorks maintenance contract may submit a copy to OPAL-RT for review. Subject to verification, OPAL-RT may honor existing commitments related to SPS license maintenance. OPAL-RT reserves the right to validate all submitted documentation. For assistance with licensing and downloading the software, you can use our AI-powered chatbot Lisa, who will guide you through the process and connect you with an OPAL-RT team member if needed.

MATLAB shows a warning that Simscape Electrical Specialized Power Systems blocks will be removed in a future release. What happens when I upgrade to MATLAB 2026?

OPAL-RT SPS Software will ensure compatibility with your existing models. You simply need to install the SPS Software and obtain the required license. For assistance with licensing and downloading the software, you can use our AI-powered chatbot Lisa, who will guide you through the process and connect you with an OPAL-RT team member if needed.

Will support for SimPowerSystems stop?

No. OPAL-RT guarantees uninterrupted support and continuity for all existing users. You can continue using your models without disruption, provided you install the SPS Software and have the appropriate license.

How do I access updates and support?

OPAL-RT's support and services are highly recognized worldwide, ensuring you receive expert assistance and resources whenever needed. Users will have access to OPAL-RT's new support portal, AI-powered chatbots for quick answers, dedicated support engineers for complex issues, comprehensive documentation, example models, and learning materials.

Where can I find the official SPS software documentation?

The official SPS Software documentation is available on OPAL-RT's online wiki. It includes comprehensive guides, example models, and learning resources to help you get started and master the platform. You can access it here: <https://opal-rt.atlassian.net/wiki/spaces/PSPS>

If I still use blocks from SimPowerSystems (MathWorks), who should I contact for support?

If you have an active MathWorks license or plan to renew it, OPAL-RT recommends contacting us first to discuss transfer or renewal options. This ensures you receive full access to our advanced tools and dedicated support. If you choose to remain exclusively under your MathWorks license, you must contact MathWorks directly for assistance. Please note that OPAL-RT support applies only to SPS Software starting with MATLAB R2025b.

Are there new blocks or demo models in the SPS software?

For the initial SPS Software release on MATLAB version R2025b, the primary focus has been to ensure a smooth transition for users. This means preserving the existing blocks library and workflows while introducing the foundation for future enhancements. New demo models and blocks will be introduced progressively as part of OPAL-RT's roadmap for continuous innovation.

How do I know if my organization has SPS Software? Will it be installed with my MATLAB installation?

To verify if SPS is installed, open MATLAB and navigate to: Home → Add-Ons → Manage Add-Ons. If installed, OPAL-RT SPS Software will appear in the list of add-ons. If you do not see it or are unsure about your organization's license status, you can ask our AI-powered chatbot Lisa to connect you with an OPAL-RT team member.

How can I start with SPS Software? How do I download it? How do I get a license?

Currently, you need to contact OPAL-RT to obtain your license and download link. For a quick and convenient process, ask our AI-powered chatbot Lisa to connect you with an OPAL-RT team member.