Introducing the Next Generation of SPS Software at OPAL-RT

SPS Software is now formally aligned under OPAL-RT's integrated simulation ecosystem. Nothing changes about the workflows engineers rely on today, MATLAB/Simulink support remains fully intact. What does change is the clarity around naming, support, and where the technology is headed: higher performance, more openness, and a more scalable real-time future.

At a Glance:

- SPS Software now sits clearly within the OPAL-RT unified platform
- MATLAB/Simulink workflows continue without interruption
- Future direction emphasizes performance, openness, and

Feature	Benefit	Purpose
Flexible Simulation Approach	Supports both detailed time-domain and phasor-based simulations within the same environment	Allows engineers to choose the right level of detail for each study, improving efficiency and insight
Engineering-Led Support	Customers get help from specialists who understand real-time simulation deeply.	Shortens troubleshooting time and strengthens long-term trust.
MATLAB/Simulink Support	Users keep their existing modeling workflow with no changes.	Ensures continuity so there is no retraining or model migration.
High-Fidelity EMT Simulation	Accurately captures switching behavior, and fast transients in power systems	Enables to analyze system behavior with confidence and make informed design decisions
Scalable OPAL-RT Hardware Support	Runs efficiently across multiple real-time target tiers.	Allows customers to scale from academic to industrial systems.
Verified Performance Data (benchmarks, accuracy, latency)	Customers receive concrete, evidence-based performance metrics.	Reduces risk and supports confident purchasing and planning decisions.

Technical Claims

SPS delivers stable, predictable simulation for complex systems with high model fidelity.

SPS is validated through extensive internal non-regression testing to ensure continuity and stability.

SPS is widely used across academic and industrial environments for power system and power electronics simulation.

SPS Software