

Sollum partners with Optimal to boost AI capabilities in greenhouse control

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Sollum Technologies, the pioneer behind 100 per cent dynamic LED lighting, has announced a strategic partnership with Optimal, a leading provider of AI-driven greenhouse climate and irrigation control. This collaboration brings together cutting-edge lighting and AI automation, offering growers an advanced, fully integrated solution for real-time precision in controlled environment agriculture (CEA).

The integration allows Optimal's AI platform to adjust Sollum's dynamic lighting in real time, seamlessly balancing it with climate and irrigation parameters based on rapidly changing external conditions. The result: growers can execute their crop strategies with unmatched accuracy—without spending hours on manual adjustments.

"Growers today use Optimal to set their ideal climate conditions with less than 10 minutes of input per week," said Dave Hunter, CEO and Founder of Optimal. "By integrating Sollum's dynamic LED technology, our AI can now control one of the most powerful variables in the greenhouse—light—with the same intelligence and efficiency."

At the core of the collaboration is Sollum's proprietary SUN as a Service® platform, which simulates natural sunlight and adapts dynamically to crop needs. When linked with Optimal's AI engine, it enables fully automated, 24/7 control over light, temperature, and irrigation—all tuned to the grower's specific strategy.

"Our dynamic lighting solution was built for adaptability, and this partnership takes that to the next level," said François R.-Moisan, Co-founder and CTO at Sollum Technologies. "With Optimal's AI, we're delivering a smarter, more responsive system that maximizes yield, quality, and energy efficiency."

This partnership sets a new standard in greenhouse automation—giving growers a seamless, intelligent, and highly efficient way to optimize production across all key environmental factors.