

# SUN as a Service® THE SMARTEST POWER

Greenhouse producers are looking for an energy and cost-efficient grow light solution that fits today's sustainability concerns.

Thanks to SUN as a Service cloud platform ("SUNaaS™"), Sollum® provides the **only truly dynamic** solution on the market.

Our solution is setting the standard in dynamic grow lights.

## Cleantech of the future

Sollum's dynamic lighting solution was independently assessed and certified by third party experts from trusted cleantech institutions.



SUSTAINABLE DEVELOPMENT  
TECHNOLOGY CANADA  
TECHNOLOGIES DU DÉVELOPPEMENT  
DURABLE CANADA

TECHNO  
CLIMAT

### 100% dynamic 100% smarter

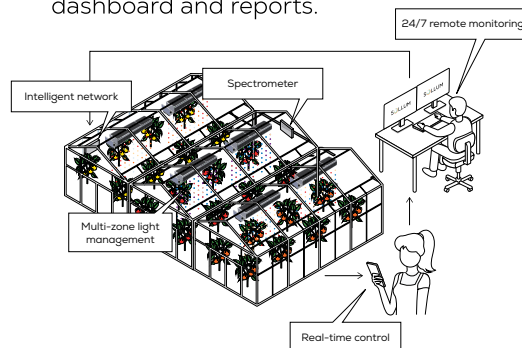
- SUNaaS is the nerve center of Sollum's lighting solution.
- It dynamically recreates, perfects, and modulates the full spectrum of the Sun's natural light in real time.
- Grow produce anywhere in the world, regardless of their native climate and the location of the greenhouse.

## Infinite light recipes

- Infinite number of customized, crop specific light recipes.
- Choose from a playbook of recipes or enlist the Sollum team to create a customized recipe.
- Schedule special light treatments to address specific crops needs.

## Data and decisions: all in real time

- Automatic dimming and spectrum compensation of the fixtures are enabled by continuous tracking of ambient light to ensure light recipes are accurately maintained.
- Accurately tracking the total amount of light plants are exposed to enables SUNaaS to turn off the fixtures once crops have reached their necessary daily light integral (DLI) in order to save energy.
- Producers benefit from personalized dashboard and reports.





## Unlimited multi-zone light management

- Diversify your production by designating multiple lighting zones in a greenhouse and applying multiple crop-specific light recipes.
- Create a zone through a simple drag-and-drop interface, select a light recipe from the playbook, and apply it right away.

## Remote monitoring and maintenance

- Advanced monitoring capabilities track fixture health and allow SUNaaS to calibrate fixtures for optimal output.
- Notifications are automatically sent to the Customer Support team who can remotely recalibrate fixtures, conduct software-related preventative maintenance, and monitor fixture status.

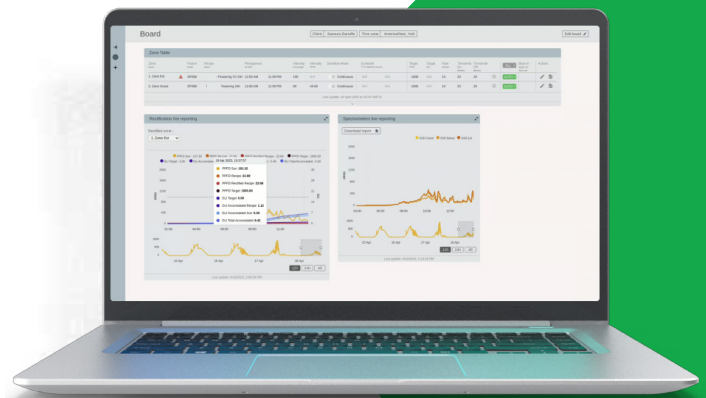
## Ironclad security

- The highest standard of internet security and encrypted communication with all devices
- Data is protected and Sollum's dynamic lighting solution is secure from outside interference.

# Grow Forward!

Choose the cleantech of the future.

## Our Brain: SUN as a Service (SUNaaS)



## AI-powered LED fixture

- Only Sollum fixtures can apply SUNaaS algorithms and performance to run any light recipe.
- Sensors collect data to calibrate the lighting output defined by a light recipe in real time.
- Recipes and controls are embedded in the fixtures, allowing them to operate normally even when the internet is down.

**SOLLUM**

CONTACT US

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