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Green Livin in South Africa

Embracing sustainability entails making mindful choices and adopting practices that minimise negative impacts on the environment, society, and future generations. It entails using resources responsibly, ensuring that our consumption aligns with the Earth's capacity for regeneration, and considering the long-term consequences of our actions on the planet. This may involve reducing energy and water usage, minimising waste, selecting eco-friendly products, advocating for ethical and fair trade, and supporting biodiversity and conservation efforts. Essentially, it's about striking a balance where our actions fulfil present needs without jeopardising the ability of future generations to meet their own needs.

Green Livin takes all of the above in to consideration with every single product and service it chooses.





Welcome to the world of CULTIV8,
where we **blend Innovation,
sustainability, and cutting-edge
technology** to **revolutionise
agriculture.**

Our CULTIV8 container farm is
designed to provide **infinite growth
possibilities**, empowering you to
redefine the **future of farming.**

[VISIT WEBSITE](#)

LEAFY
GREENS

MICRO
GREENS

STRAWBERRY

CANNABIS

MUSHROOM
available on 2024



**Cultiv8 is not just a container farm;
it's a vision for the future of agriculture.**

We've combined our passion for sustainability
with advanced technology to create a unique farming
solution that transcends traditional boundaries.

**With Cultiv8, the possibilities for growth are truly
infinite.**

**A Revolutionary
Container Farm**



Strawberries

Indulge in the taste of freshly picked, delicious strawberries grown right in your Cultiv8 container farm.

Our advanced hydroponic system and controlled environment provide the ideal conditions for cultivating juicy, flavorful strawberries all year-round, free from the constraints of traditional farming.

[Get a quote](#)





Micro greens

Unleash the nutritious potential of microgreens with Cultiv8's innovative container farm.

Our precise environmental controls ensure optimal growth for these nutrient-dense sprouts, enabling you to produce a consistent supply of fresh, healthy microgreens for your community.

[Get a quote](#)





Cannabis

As the cannabis market continues to expand, so does its potential for medical and therapeutic applications. Cultiv8's advanced container farm empowers you to tap into this booming industry by providing the perfect environment for growing high-quality cannabis plants.

Our cutting-edge technology ensures optimal growth conditions and precise control over factors such as lighting, humidity, and nutrients, allowing you to produce a consistent, high-quality product that meets the stringent demands of the medical cannabis market.



Leafy Greens

Cultiv8's advanced hydroponic system and controlled environment provide the perfect conditions for growing a variety of leafy greens, such as lettuce, spinach, and kale.

Enjoy higher yields, improved freshness, and a reduced carbon footprint by cultivating your greens locally with Cultiv8.

[Get a quote](#)





Mushrooms

Coming in 2024

[Get a quote](#)



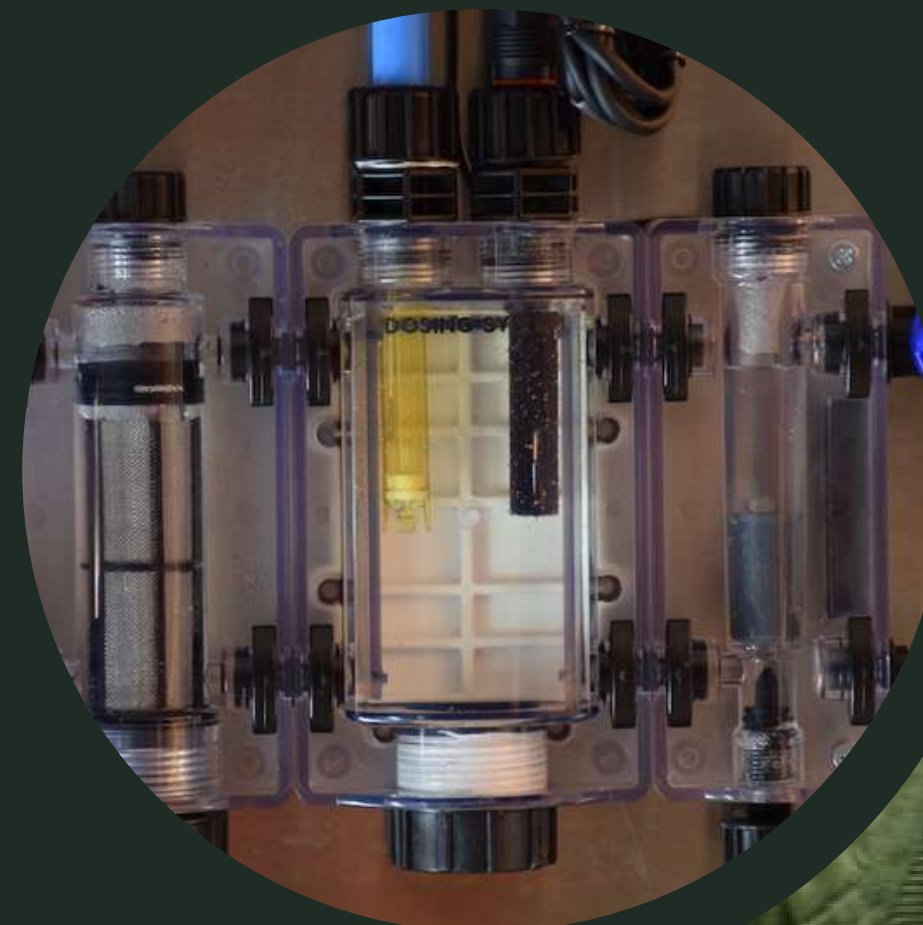


Mastering the Art and Craftsmanship Behind Cutting- Edge Technology

Discover the perfect fusion of time-honored traditions and groundbreaking innovation as we redefine the future of agriculture.

With Cultiv8, we merge the expertise of skilled artisans with the power of cutting-edge technology to create sustainable and efficient farming solutions.

Experience the revolution of agriculture that transforms the way we grow, nurture, and harvest. Embrace the new era of agri-tech, where mastery meets modernity.





Insulation & Climate

Our container is a reefer unit, with stainless steel interior walls that offer the ultimate protection against wear and corrosion. The container's insulation is further enhanced with superior insulation material, ensuring a stable internal climate and promoting energy efficiency. Additionally, our cold-air door provides complete air-tightness, making entering and exiting the container effortless, while preventing air leakage.

Now, let's talk about our climate control powerhouse: the Klimate Cooling Unit. The unit, a Carrier PrimeLINE model, boasts a digital scroll compressor, which is the only one on the market designed for R-134a in a container application. Its high efficiency stems primarily from this advanced digital scroll compressor, which is also ready to be converted for use with low GWP R-513A.

The PrimeLINE unit can maintain a temperature range from -35°C to +30°C (-31°F to 86°F) and is built to function efficiently in ambient temperatures from -30°C to +50°C (-22°F to 122°F). With an impressive cooling capacity of 40,000 Btu/hr, the unit provides a stable, cool environment, regardless of the external conditions.

The unit's air exchange rate is 1.8 minutes per exchange with low fan speed in an empty container. The air circulation provided is an outstanding 5,400 m³/hr with full fan speed and 2,350 m³/hr with low fan speed. The unit also includes high-precision gas dosage solenoid valves for CO₂ regulation, ensuring optimal plant growth.

With advanced features such as the aerospace-inspired evaporator fan, stator, and lighter, more efficient low power 3-phase motor, the PrimeLINE unit guarantees top-tier performance. Its electronic expansion valve provides stable temperature control and deep frozen capacity.

Certified with CE, ABS, BV, KRS, and GL, the PrimeLINE unit is a testament to our commitment to providing high-quality, reliable, and efficient solutions for your farming operations.



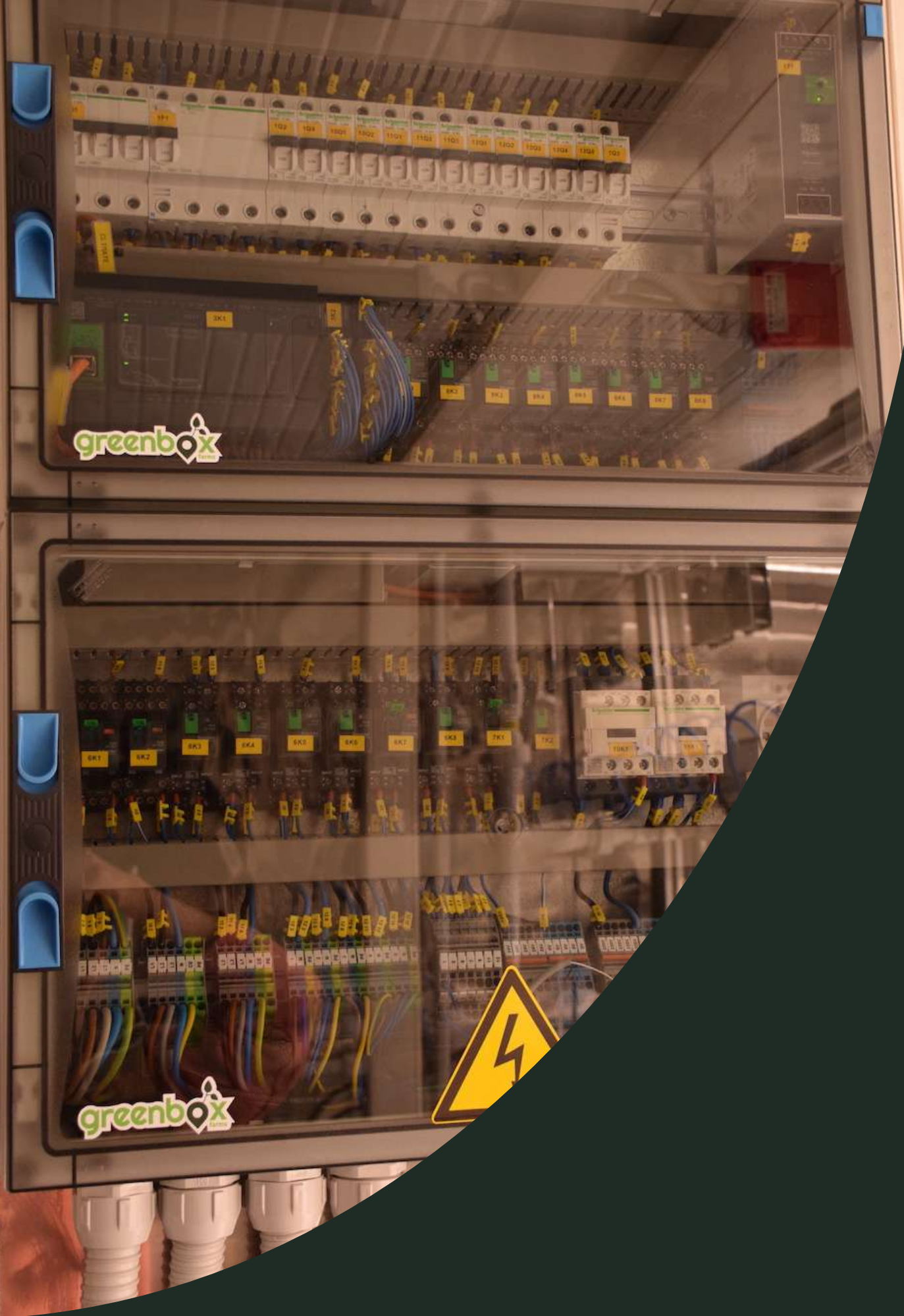
Electric & Automation

We are dedicated to providing a robust and seamless experience with our state-of-the-art electric and automation systems.

Every component in our electrical system adheres to the IP67 standards, ensuring complete protection from dust and immersion in water, underlining our commitment to the highest safety standards. All electrical wiring is also isolated from environmental moisture using IP67 glands and cable spirals, adding another layer of protection for your peace of mind.

We proudly utilize Schneider Electric products in all of our electric and automation materials, ensuring high quality and reliable performance. Our system features a PLC-based automation control, providing a convenient and efficient way to manage your farming operations.

Control is at your fingertips with our system. You have the option to manage your farm through the HMI panel or remotely through greenos.ai from your smartphone, tablet, or computer. This means you can monitor and control your farm anytime, anywhere, providing you with complete flexibility and control over your farming operations.





Lighting

Light is a crucial factor for plant photosynthesis, and different plant species have unique spectral and umol requirements. Recognizing these differences, we design our LED lights with extreme precision to cater specifically to the needs of your desired crops.

Our LED lights are more than just illumination devices; they are the result of profound professional expertise, carefully engineered to maximize the productivity and health of your plants. We recognize that the lighting needs of plants can change throughout their growth stages, and thus we offer optionally dimmable and spectrum adjustable features.

With our LED Lighting system, you can ensure that your crops receive the exact light spectrum and intensity they need at every stage of their life cycle. This way, you can cultivate healthier plants and enhance your farm's productivity.





Dosing Unit

Dosage Unit - a breakthrough in precision agriculture technology. Our advanced dosing system is engineered to deliver unparalleled accuracy, improving the efficiency and productivity of your farming operations.

At the heart of the system are four peristaltic pumps, meticulously designed to provide precise fluid dispensing. These pumps are operated under Proportional-Integral-Derivative (PID) control - a cutting-edge technology that corrects the error between a measured process variable and a desired set point. This ensures high precision dosing, enabling optimal use of resources and fostering healthier plant growth.

Our system doesn't just prioritize efficiency, it's also a testament to our commitment to quality. The sensors employed in the dosing unit conform to superior quality standards. These high-caliber sensors offer reliable performance, maintaining the accuracy of dosing and allowing you to have total control over your cultivation process.

With the Cultiv8 Model Container Farm's Dosage Unit, precision farming is now within your reach. We offer a system that not only improves the bottom line but also reduces environmental impact by minimizing waste. Trust in Cultiv8 - where innovative technology meets sustainable farming.



Air Circulation fans

Your solution to ideal air circulation and wind simulation for your crops.

Our system includes meticulously designed rack fans located on every shelf level, generating the necessary wind for each plant, simulating a natural environment to encourage healthy plant growth. Additionally, our system is equipped with super quiet, dual-speed circulation fans to maintain ideal air movement throughout the container, ensuring uniform temperature and humidity.

All our fans comply with IP standards, underlining our commitment to durable and reliable performance. They are designed for longevity, guaranteeing sustained, optimal airflow for your farm over the long term



Camera

Your window to real-time farm monitoring, no matter where you are.

Every one of our container farms comes standard-equipped with a camera, allowing you to keep a close eye on your farm operations through greenos.ai. With this feature, you can stay connected to your farm, ensuring that you're always informed and can react promptly to any changes in your farm conditions.

Moreover, our camera system enables you to create time-lapse videos of your farm, providing a unique view of your crops' growth and development. You can also review past footage, giving you a valuable tool for analyzing your farm's performance over time.

[Get a quote](#)

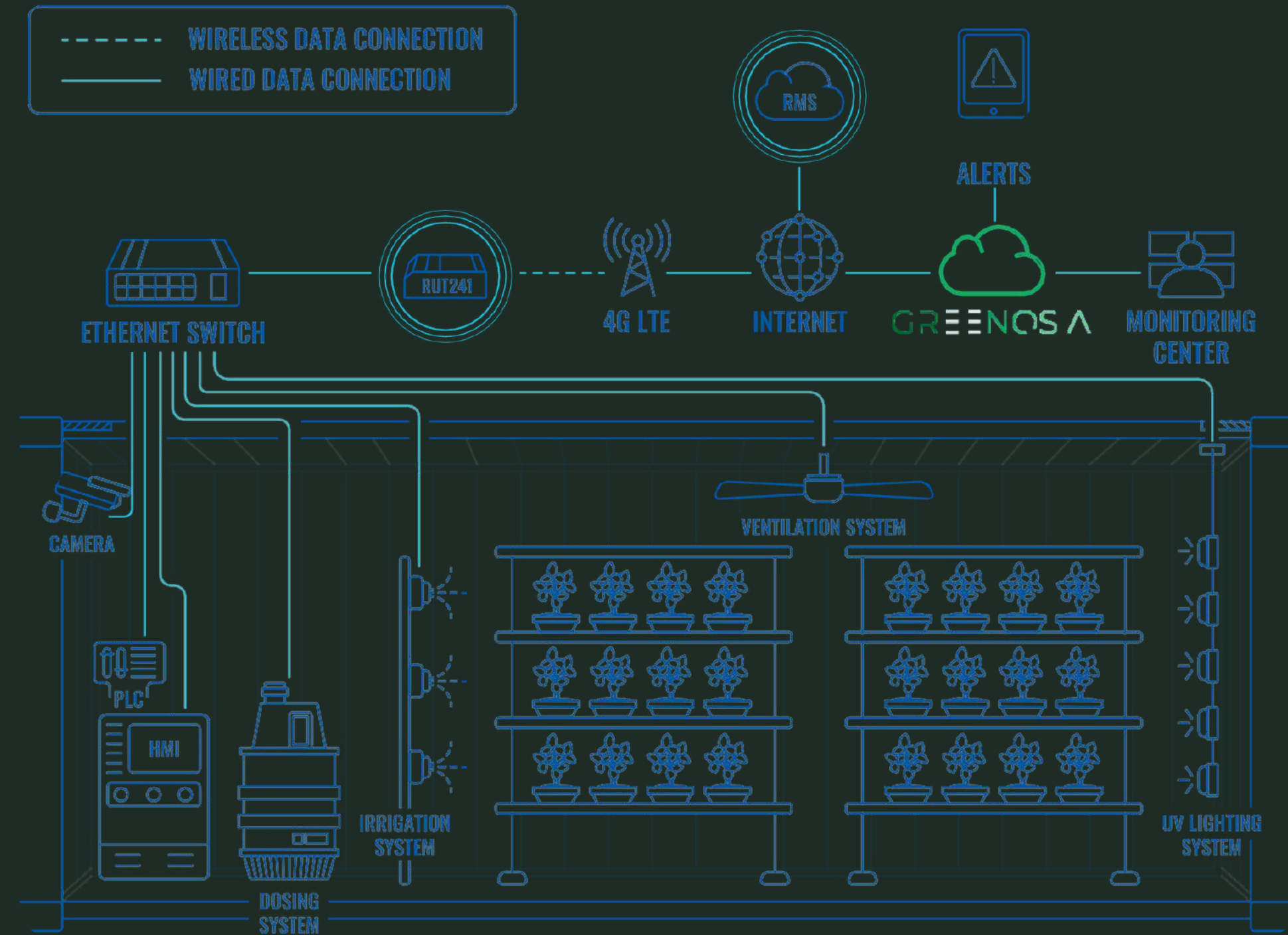


IoT & SOFTWARE

In today's age of digital transformation, the fusion of agriculture with cutting-edge technology is not just a luxury; it's a necessity. At Greenbox Farms, we understand this imperative and have crafted solutions that seamlessly blend the age-old wisdom of farming with the prowess of modern-day tech.

In collaboration with our esteemed IoT hardware partner, Teltonika Networks, we've embarked on a journey to redefine the agricultural experience. Our joint use case, accessible via a simple QR code scan, showcases the synergy between our vision and Teltonika's technological expertise. It's a testament to what's achievable when innovation meets dedication.

But that's just the tip of the iceberg. Our proprietary software, Greenos.AI, is designed to be the digital nerve center of your farming operations. With Greenos.AI, you gain unparalleled insights and control over your entire supply chain - from the initial sowing of seeds to the final harvest.





Growing

GREEN



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THANK YOU

AT THE FOREFRONT OF TRANSFORMING THE AGRICULTURAL LANDSCAPE