



GROWING THE FUTURE

World's most advanced technology and software for maximizing crop yields in a hyper-controlled environment, whatever the geographic location, all supported by real-time data.

ABOUT US

HRVST Limited is a joint venture created in 2015 between Inventive Laboratory Inc. and Florentaise. Over a decade of research went into the development of HRVST's unique lighting technology. The goal? to feed the world and improve yields for a variety of crops.

Inventive Laboratory Inc. is an R&D firm specialized in agricultural lighting and automation, while Florentaise is a world leader in substrate innovation, manufacturing and distribution. As HRVST, we're transforming agriculture through automation—and disrupting the agricultural world of today for a better tomorrow.



Cross-disciplinary engineering



Robotics



Mechanical



HVAC



Agronomic



Software



Electrical



Up to 95% in **water savings**.



Control operating temperature, relative humidity and night/day cycling for **year-round harvesting**—even in dense, urban environments.



Heat generated from the LED lights is used by the climate control so that **no energy is lost or misused**.



HRVST technology yields **55 times more produce** per unit of area compared to conventional farming.

OUR TECHNOLOGY

HRVST's hyper-controlled turnkey technology is the most powerful, versatile industrial vertical farming solution on the market.

- Fully customizable intelligent modular framework
- Wavelength-controlled water-cooled LED lighting
- Automated irrigation and fertilization
- Energy efficient, year-round climate control
- Automated CO2 and humidity injector
- Row-by-row airflow control system
- Integrated cleaning device
- Linux-based interface
- Comprehensive online database
- Customized working platform
- Specialized crop carrying trays
- Available in two different sizes



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