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ROTOGRO®
INTERNATIONAL LIMITED

CEO Presentation

Revolutionising the Future of Agriculture

Annual General Meeting 2021

ASX: RGI

rotogro.com



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Roto-Gro International Limited

An Agricultural Technology Company

RotoGro's versatile crop cultivation technology allows it to operate in two business segments: perishable foods (produce) and lawful cannabis. RotoGro offers each segment a specialized technology to significantly increase yields per square metre, while significantly decreasing operational expenditure. RotoGro is determined to deploy its technology to revolutionise the fresh produce and cannabis cultivation industries.

Produce

RotoGro partners with produce farmers, suppliers, and retailers to create sustainable, state-of-the-art indoor vertical farming facilities. RotoGro's specifically designed cultivation technology optimizes the production of leafy greens and a variety of other fruits and vegetables to integrate into a global green supply chain.

Cannabis

RotoGro partners with lawful cannabis and hemp cultivation operators to provide technological solutions for the cultivation of high-quality cannabis or hemp strains in retrofit or build-to-suit indoor vertical faming facilities. RotoGro's works with its partners to complete full-facility designs utilizing its technology, maximizing operational efficiencies.

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The Problem

Agricultural Challenges in Urban Areas



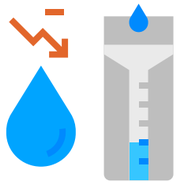
Supply Chain Disruptions



Inconsistent Weather Patterns Negatively Impacting Agricultural Production



Decreasing Availability of Fertile Farmland



Decreasing Availability of Reliable and Clean Freshwater



Negative Impacts of Pesticides & Herbicides



Exponential Population Growth

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The Solution
Indoor Vertical Farming



Reduced Supply Chain Dependency
By situating indoor vertical farms strategically in close proximity to the consuming population.



Reduced Need for Fertile Farmland
Indoor vertical farming facilities can be located almost anywhere.



Eliminates the use of Pesticides and Herbicides
Promotes healthy crop growth.



Ability to Produce Crops Year-Round
Irrespective of climate, season, and geography.



Decreased Freshwater Consumption
Uses up to 98% less water than conventional farming methods.



Scalabe
To meet the increasing population demand.

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The Opportunity

RotoGro to Revolutionise the Future of Agriculture

RotoGro's patented and proprietary agricultural technology optimizes urban indoor vertical farming for produce and cannabis, strategically positioning the Company to revolutionise the booming indoor vertical farming industry and the future of agriculture.

Large Addressable Market

The indoor vertical farming market is expected to grow from USD $4.5 billion in 2020 to 19.4B in 2027 at a CAGR of 23.2%.[1]

The global cannabis market is expected to grow from USD $28 billion in 2021 to USD $197 billion in 2028 at a CAGR of 32.04%.[2]

Joint Venture Partnership

As a technology partner, RotoGro looks to solidify joint ventures in the indoor vertical farming produce and cannabis industries to provide turn-key solutions, assisting its customers to reach their full potential.

Agricultural Technology

New technologies are constantly changing the global agriculture supply chain. RotoGro remains committed to positioning itself as the leading technology provider in the indoor vertical farming industry.

1. "Industry Analysis, Vertical Farming Market" Global Market Insights (May 2021)
2 "Cannabis/Marijuana Market Size" Future Business Insights (November 2021)

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Existing Indoor Vertical Farming Technology

First Generation

Existing indoor vertical farming technologies face several challenges:

1. **Significant Electricity Consumption**: Lighting and HVAC requirements demand significant and unsustainable electricity use. Layers of lighting, vertically or horizontally, for flat deck stacked tables or walls is an inefficient lighting design that significantly and unnecessarily increases overall power consumption.
2. **Sub-Optimal Yield**: Current technologies do not optmise space savings, or do so at the expense of sustainable operational expenditures.
3. **Significant Labour Demand**: existing technologies still requires significant labour throughout the crop cultivation process, increasing the potential introduction of pests and pathogens, along with labour costs.
4. **Decreased Airflow**: Layers of flat deck tables impede canopy airflow, inhibiting the ability to cultivate mature crops.



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RotoGro's Indoor Vertical Farming Technology

Second Generation

RotoGro's technology reduces operational expenditure while increasing yield per square metre, providing a sustainable solution for the indoor vertical farming industry.

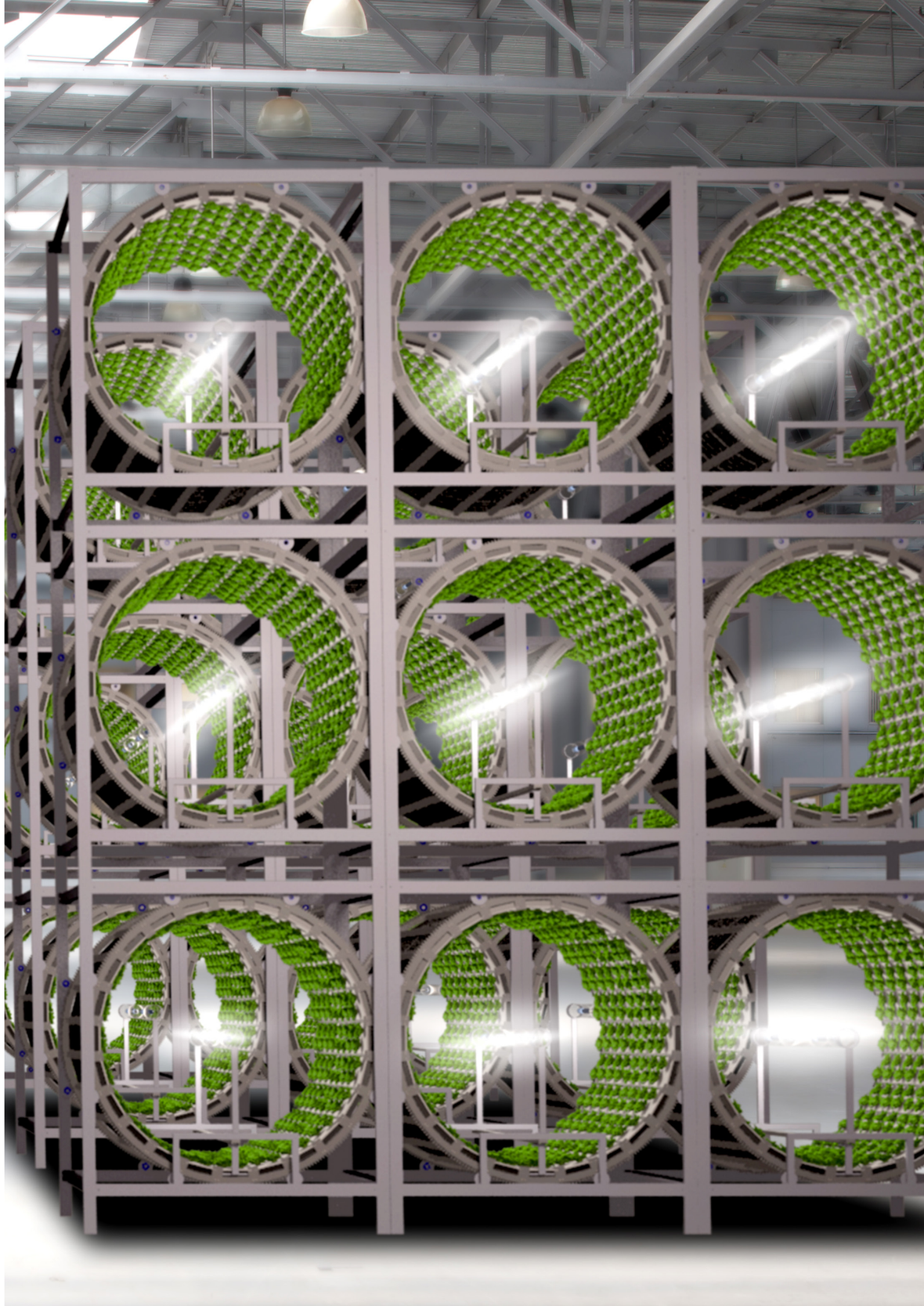
1. **Decreased Electricity Consumption**: RotoGro projects in excess of 30% electricity savings when compared to other indoor vertical farming technologies.

2. **Optimised Yield Advantages**: RotoGro's technology increases yield per square metre by 3.4x to 15.8x when compared to other indoor vertical farming technologies.[1]

3. **Decreased Labour Requirements**: RotoGro's in-house designed supporting technology automates the entire cultivation process throughout the crop cultivation cycle.

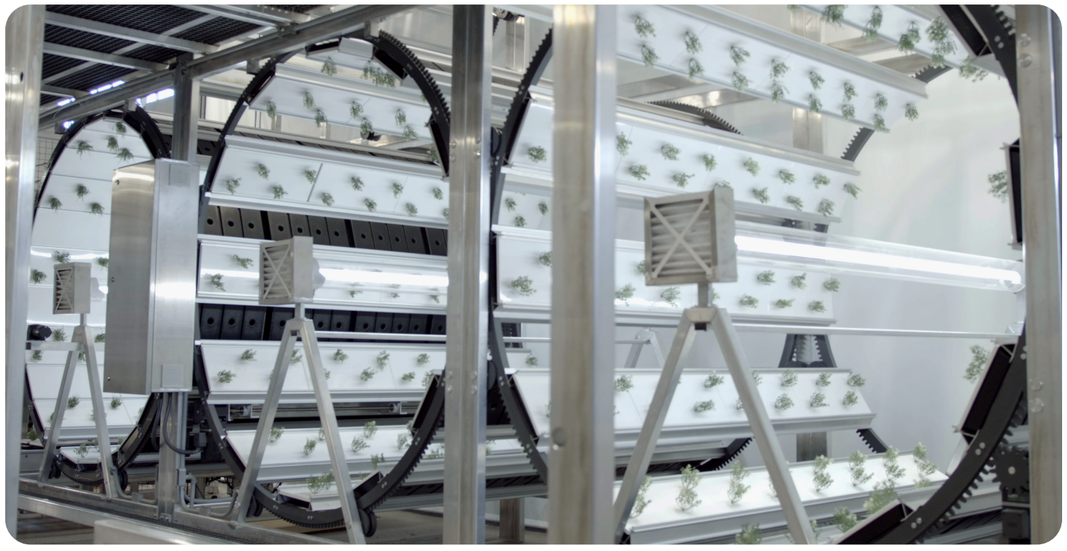
4. **Increased Airflow**: Optimised distance between the grow surface area and proprietary, centrally placed LED lighting system, provides increased airflow and the ability to cultivate a variety of fruits and vegetables to maturity.

1. "The Economics of Local Vertical and Greenhouse Farming are Getting Competitive" AgFunder News



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RotoGro Garden Systems



Model 710: Produce

The Model 710 is RotoGro's larger Rotational Garden System designed specifically for the cultivation of high-quality produce crops, producing more product per square meter while reducing electrical consumption, when compared to other indoor vertical farming methods. Crop cultivation within the Model 710s are completely automated using RotoGro's proprietary software system and other supporting technology.



Model 420: Cannabis

Designed Specifically for the cultivation of high-quality cannabis crops, the Model 420 produces significantly more product per meter s squared, while reducing electrical consumption, when compared to traditional flat table multi-layered flat table growing methods. This advanced crop cultivation system also seamless integrates with RotoGro's software system, automating the cultivation process.

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RotoGro Advantages Resource Savings

Increased Yields

The intrinsic design of the Rotational Garden Systems allow for maximized floorspace footprint to grow surface area ratio. The Garden Systems are also stackable, further increasing yields per square meter.

Reduced Lighting

Each Garden System revolves around a centrally placed, proprietary LED lighting system, optimizing the concentration of light to the growing surface area, resulting in substantial electrical savings.

98% Water Savings

RotoGro's proprietary fertigation system automates the delivery of water/nutrient concentrations to each Garden System, ensuring product consistency, while also providing up to 98% water savings when compared to conventional farming methods.

Decreased HVAC

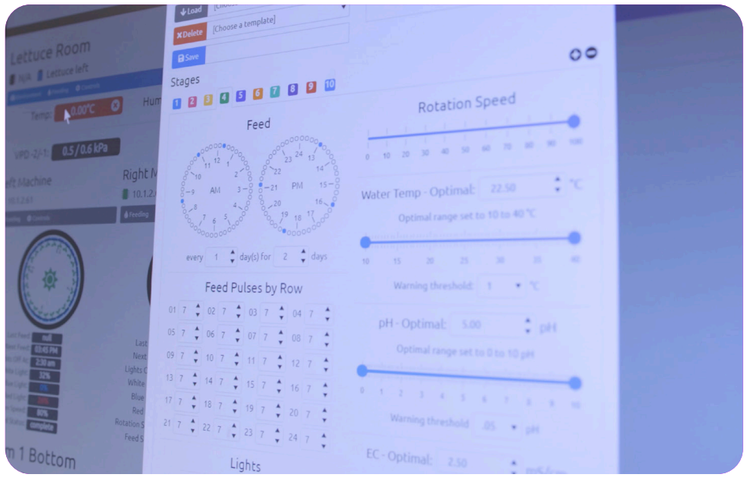
RotoGro's centrally placed lighting system incorporates a ducted cooling system that draws external air through the centrally placed lighting system and disperses the heated air outside of the cultivation environment, substantially reducing the overall air conditioning, humidification, and dehumidification costs, while increasing environmental controls.

Gravitropism/Heliotropism

The constant rotation of the crops cancels their gravitropic responses, providing unique stressors and opportunities within the cultivation environment inside each RotoGro Garden System. The result is the production of heartier crops than when compared to other indoor vertical farming techniques, producing crops with similar structural integrity to field grown crops, without all of the other negative attributes.

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RotoGro Supporting Automation Technology







iGrow® Software

An in-house designed software platform provides dynamic, real time analysis of each Garden System, automating all aspects of the cultivation cycle, including revolution speed, light parameters (schedules, intensity, spectrum), nutrient delivery and management through RotoGro's Fertigation System, and automation of the AGVs for crop loading and unloading, providing preprogramable control and complete oversight.

Fertigation & Nutrient Mix System

RotoGro's proprietary Fertilization System integrates seamlessly into its iGrow Software system, automating the delivery of crop feeding solutions to each RotoGro Garden System, facility-wide. The Fertigation System can be pre-programed, loading variable crop-specific recipes and delivery times, throughout each cultivation cycle.

Automated Guided Vehicles (AGVs)

In-house designed AGVs autonomously shuttle growing trays from the propagation area and load them into the Model 710 garden systems, and conversely, unload the growing trays from the Model 710 garden systems and shuttle them to the harvesting area, significantly reducing human intervention and labour costs.

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RotoGro Services



Turnkey Facility Design & Setup

Turnkey solutions from concept to full-facility design, to installation, commissioning, and operational readiness. RotoGro provides a turnkey, automated, and comprehensive solution to the indoor vertical farming space.



Nutrient Planning & Management

RotoGro offers custom nutrient formulas and blends to its customers, while working alongside its customers to develop and innovate new, proprietary formulas to maximise healthy crop growth.



Support & Maintenance

RotoGro offers a variety customisable support and maintenance packages to its customers post-operational readiness to ensure sustained and optimised operational success.



Grow Management Services

RotoGro offers its customers varying level of grow management services, from remote monitoring and troubleshooting, to on-site cultivation management.

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2021 Catalysts

CAD $380,000 Purchase and Sale Agreement with Wolf Island Cannabis, located in Canada.

CAD $1,000,000 Purchase Order, part of a CAD 1,900,000 Purchase and Sale Agreement, provided from Canniberia LDA, located in Portugal.

Memorandum of Understanding executed with Fresh Leaf Limited, a leading fresh herbs supplier in Australia. RotoGro shipped three Model 710's to Fresh Leaf for trials and testing, expected to begin in CYQ1 2022.

Designing state-of-the-art technology showcase facility to demonstrate RotoGro's technology on a pre-commercial scale.

Pursual of Canadian Securities Exchange public listing.

Significant research growing trials completed with Verity Greens, RotoGro's partner in the Canadian produce space, for 3 of the largest fresh produce suppliers in Canada.

Ongoing discussions and crop research testing with high-value companies, anticipating transitioning these discussions into technology Purchase and Sale Agreements.

Negotiations with significant government actors in Asia for the potential roll-out of RotoGro's technology for produce cultivation throughout the region.

Discussions with prominent space exploration companies to assess synergies, anticipating to introduce a comprehensive food system to be used during long-duration space missions.

Partnered with Cultivatd Inc., a leading indoor vertical farming brokerage, globally.

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2022 Targets

- Dual List on Canadian Securities Exchange
- Secure Canadian Produce Facility Technology Agreement
- Secure Canadian Cannabis Facility Technology Agreement
- Outfit and Install Technology in Canniberia Facility (phase 1)
- Outfit and Install Technology in Wolf Island Cannabis Facility
- Secure First Technology Agreement in Asia
- Advance Fresh Leaf Produce Cultivation Trials and Testing
- Operationalise Canniberia Cannabis Facility
- Advance Discussions for Technology Agreement in Europe (produce)
- Advance Discussions for Technology Agreement in USA (cannabis)

- Secure Deposit for Canniberia Facility (phase 2)
- Secure Technology Agreement with Fresh Leaf for Pre-Commercial Pilot Facility
- Secure Technology Agreement for First Facility in Oceania (medicinal cannabis)
- Outfit and Install Technology in Canniberia Facility (phase 2)
- Advance Discussions for Technology Agreement in USA (produce)
- Pursue Existing CPT Patent Applications in Strategic Jurisdictions
- Continue to Develop and Innovate Cutting-Edge Crop Cultivation Technology
- Continue Other Business Development Initiatives, Globally

Stemming from CY2022 Catalysts only. Although these leads are highly prospective, it is not guaranteed that they will convert into sales orders and growing management contracts.

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Board



Michael Carli

Non-Executive Chairman

More than 30 years of experience specialising in corporate, commercial, and intellectual property law in Ontario, Canada. Currently a managing partner of the law firm Rigobon Carli and a former managing director of RotoGro.



Leighton Richards

Non-Executive Director

Over 20 years of experience in business across consumer goods, agriculture, and health and wellness sectors in Australia, New Zealand, South East Asia, China, and India. Currently the CEO of WelleCo and a Director of Sunny Ridge Berry Farms.



Michael Di Tommaso

Chief Executive Officer, Executive Director

Experienced operational executive across industry sectors, specialising in the indoor farming technology market. Hands on experience in the evolution of cannabis legalisation globally, with experience in contract law and regulatory compliance.



Terry Gardiner

Non-Executive Director

Over 20 years of extensive experience in capital markets, stockbroking, and derivatives trading. Currently a Director of Barclay Wells Limited and a Non-Executive Director of Cazaly Resources Limited (ASX:CAZ) and Galan Lithium Limited (ASX:GLN).

Key Personnel



Jim Gallant

Head of Innovation



Drazen Vicic

Senior Plant Scientist



John Tadic

Senior Project Manager



Norm Petroff

Software Engineer

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Patents

Title	Jurisdiction	Application No.	Filing Date	Status
Rotary Plant Growing Apparatus	United States	10/375,681	February 28, 2003	Patent Granted by the United States Patent and Trademark Office on January 11, 2005. Patent Number: US 6,840,007 B2
Stackable Modular Rotatable Gardening System	United States	14/883,156	October 14, 2015	Patent Granted by the United States Patent and Trademark Office on May 21, 2019; Patent Number: US 10,292,346 B2
Stackable Modular Rotatable Gardening System	Canada	2,908,184	October 13, 2015	Patent Granted by the Canadian Intellectual Property Office on October 22, 2019; Patent Number: CA 2 908 184 C
Stackable Modular Rotatable Gardening System	Europe	15189807.9	October 14, 2015	Patent Granted by the Canadian Intellectual Property Office on April 22, 2020; Patent Number: EP 3 155 896 A1
Stackable Modular Rotatable Gardening System	Australia	2015243013	October 14, 2015	Patent Granted by the Australia Patent Office on March 18, 2021; Patent Number: 2015243012
Plant Tray, Feed Nozzle and Plant Tray Feed System	Patent Co Op Treaty WIPO	63/088,597	October 7, 2020	Patent Pending
Automated Plant Tray Shuttle and System	Patent Co Op Treaty WIPO	63/088,607	October 7, 2020	Patent Pending
Rotating Garden Rails for Holding Plant Trays	Patent Co Op Treaty WIPO	63/088,623	October 7, 2020	Patent Pending

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Thank you.

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