EUROPEAN BUSINESS COUNCIL

STRATEGIC COOPERATION & TECHNOLOGY TRANSFER

ANNEX 2

DETAILED TECHNICAL BRIEFING
Agriculture & Food Security

ISSUED TO:	His Excellency President Yoweri Museveni & The Cabinet of Uganda
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1. Executive Summary & Strategic Vision

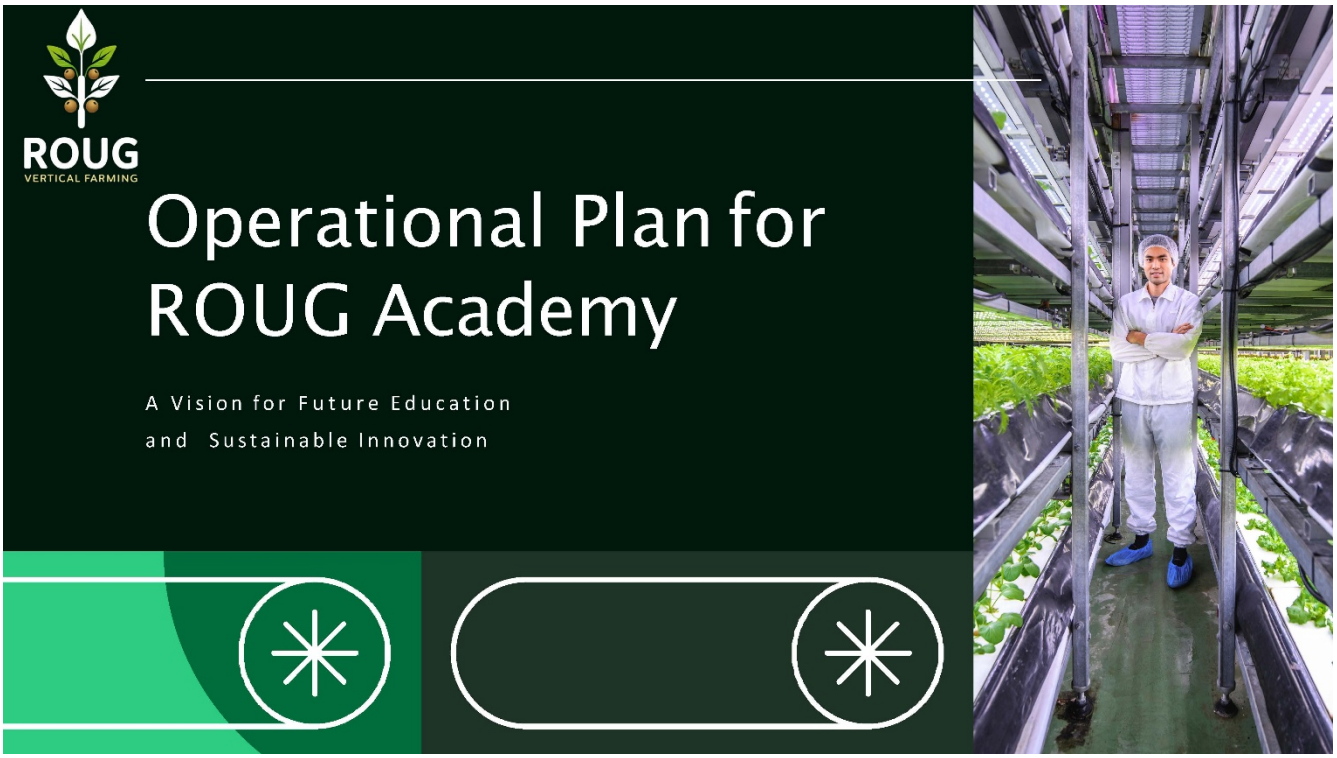
Agriculture constitutes 24% of Uganda's GDP and employs over 70% of the active workforce. This flagship vertical focuses on doubling the national agricultural GDP, eradicating post-harvest cold chain losses, and launching the state-of-the-art Romania & Uganda Academy (ROUG) in Entebbe to establish Uganda as a premium organic produce exporter to European and Middle Eastern markets.

2. Strategic Project Portfolios

The following sections present the detailed technical catalogs, operational parameters, and physical assets for each strategic project under this vertical. The technical structures have been compiled from original engineering designs, and deployment models are aligned with the Ugandan national priorities.

Project 2A: ROUG Academy Campus (Entebbe)

The Romania & Uganda Academy (ROUG) flagship campus, located in Entebbe, covers a massive 400-acre master-planned site. The modern campus integrates advanced student classrooms, state-of-the-art agricultural laboratories, residential dorms, and large-scale automated greenhouse complexes. Operating in partnership with a sister entity in Romania that brings over 35 years of commercial agricultural leadership, ROUG implements a dual vocational training system. Students spend 80% of their time actively working on high-volume commercial production lines and greenhouses, while 20% is dedicated to classroom theory. This hands-on commercial experience prepares career-ready graduates who directly support the national agricultural sector, helping transform Uganda into a premium organic agricultural exporter to the European Union and Middle Eastern markets.



Introduction

ROMANIA & UGANDA ACADEMY (ROUG)

Romania & Uganda Academy(ROUG) is an innovative agricultural technical and vocational college with a distinctive approach, based in Entebe, Uganda. Our institution is dedicated to delivering high-quality education and skills development for individuals seeking vocational training opportunities. Our mission is not only to cultivate food but also to nurture talented, committed, industry-focused, and career-ready students through specialized vocational qualifications.

By forming strategic partnerships with various industries, we aim to offer targeted training workshops that enhance our students' employability and address the specific needs of the job market. Although the academy is in its initial phase in Romania, our sister company, Romania & Uganda Academy, has been a market leader in Romania for over 35 years.

Our vision is to establish a state-of-the-art food production facility on 400 acres, integrating the latest greenhouse and vertical farming technologies. We aspire to create a recognized sustainable institution that bridges the gap between education and industry demands, ultimately contributing to the development of a skilled workforce in Uganda.

This business plan outlines our strategic approach to securing investment for launching and ensuring the sustainability of the academy.

Facilities

CUSTOMER PROBLEM

The primary challenge we aim to address is the significant skills gap in the Uganda job market. Many industries face difficulties in sourcing qualified candidates with the practical vocational skills necessary for their operations. As Uganda's economy evolves, the demand for skilled labor continues to grow across various sectors. However, traditional education systems often fall short in equipping students with the hands-on skills required by employers.

This disconnect leads to alarmingly high youth unemployment rates and a shortage of qualified workers for businesses. Romania & Uganda Academy seeks to bridge this gap by offering targeted vocational qualifications and specialized training workshops, developed in collaboration with industry partners.

Our approach not only improves the employability of individuals seeking vocational opportunities but also ensures that businesses have access to a pool of well-trained candidates tailored to their specific needs. Ultimately, our efforts aim to foster economic growth and accelerate development by creating a skilled and ready workforce.

CUSTOMER PROBLEM

With agriculture and business studies at the heart of everything we do, Romania & Uganda Academy (ROUG) is committed to addressing these critical workforce challenges Uganda has by providing practical, industry relevant training and fostering innovation in agricultural practices, we aim to produce graduates who are immediately ready to contribute to Uganda's growing economy.

Our focus is on creating a sustainable ecosystem where education directly meets industry needs. This approach ensures that students not only gain theoretical knowledge but also acquire hands-on experience through internships, industry collaborations, and practical workshops. As a result, we will help reduce youth unemployment, support local industries, and promote sustainable agricultural development.

In summary, the skills gap in Uganda's labour market presents an urgent need for specialized vocational training aligned with industry demands. Romania & Uganda Academy is positioned to fill this gap by delivering high-quality, industry-relevant education that will empower youth, strengthen local industries, and contribute to Uganda's economic resilience and growth.

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Facilities

SITE AND INFRASTRUCTURE OVERVIEW

Location: Entebe, Uganda, with plans to expand to a 400 acre site featuring advanced greenhouse and vertical farming facilities.

Current Setup: Initial training facilities in Entebe include classrooms, workshops, laboratories, and demonstration farms.

Future Development: Construction of a state-of-the-art food production and training complex, incorporating sustainable farming technologies, research laboratories, and student accommodation.

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Concept Development & Vision

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MISSION & OBJECTIVES:

- Provide hands-on agricultural education and vocational training
- Promote sustainable and organic farming practices
- Generate revenue from produce sales to sustain operations
- Empower unemployed youth with skills and employment opportunities

Key Features:

- Modern greenhouses with automated climate control
- Organic farm with crop diversity
- Educational facilities and laboratories
- Market and sales outlets (farmers' markets, online sales)

Planning & Design

SITE ASSESSMENT:

- Soil testing, water availability, climate analysis
- Land zoning for different uses: greenhouses, fields, classrooms, housing

Campus Layout:

- Academic buildings, laboratories, classrooms
- Greenhouse complexes with climate control
- Farm fields and orchards
- Processing and storage facilities
- Sales outlets and distribution points
- Student accommodation and staff housing

Technology & Infrastructure

Greenhouse Technology:

- IoT sensors for monitoring temperature, humidity, CO_2 levels
- Hydroponic, aeroponic, or vertical farming systems for efficiency
- Renewable energy sources (solar panels, biogas)

Farm Equipment:

- Tractors, irrigation systems, composting facilities
- Organic pest control and fertilization methods

Water Management:

- Drip irrigation
- Rainwater harvesting
- Water recycling

Curriculum & Vocational Training

Academic Programs:
- Agricultural science
- Organic farming
- Horticulture
- Farm management

Hands-On Training:
- Student internships on the farm
- Workshops on greenhouse management and organic certification

Skill Development for Youth:
- Short courses, apprenticeships, certification programs
- Entrepreneurship and farm business management

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Curriculum Delivery

At Romania & Uganda Academy (ROUG), our **educational programs** are designed to meet the diverse needs of students. We focus on hands-on learning experiences that incorporate **real-world applications**. By fostering critical thinking and problem-solving skills, we create an engaging environment that encourages students to explore and innovate.

Staffing

ESSENTIAL ROLES FOR EFFECTIVE MANAGEMENT

A well-structured staffing plan is critical for **successful operations** at ROUG. Clearly defined roles ensure that each team member contributes effectively to the institution's goals, allowing for efficient management and streamlined processes.

Management

LEADERSHIP AND ORGANIZATIONAL STRUCTURE

The management structure must promote **collaboration and transparency**. By establishing clear lines of communication and decision-making authority, ROUG can foster an environment that encourages innovation and responsiveness to the needs of students and staff alike.

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Partnerships

ENHANCING LEARNING THROUGH COLLABORATION

Strategic alliances with local businesses provide **hands-on experiences** for students, enriching their education and preparing them for future careers in various industries.

Collaborating with agricultural organizations allows ROUG to incorporate expert knowledge and **real-world practices** into its curriculum, ensuring students gain relevant skills.

Partnerships with universities enhance research opportunities and **foster innovation**, enabling ROUG to stay at the forefront of educational advancements in agriculture and environmental management.

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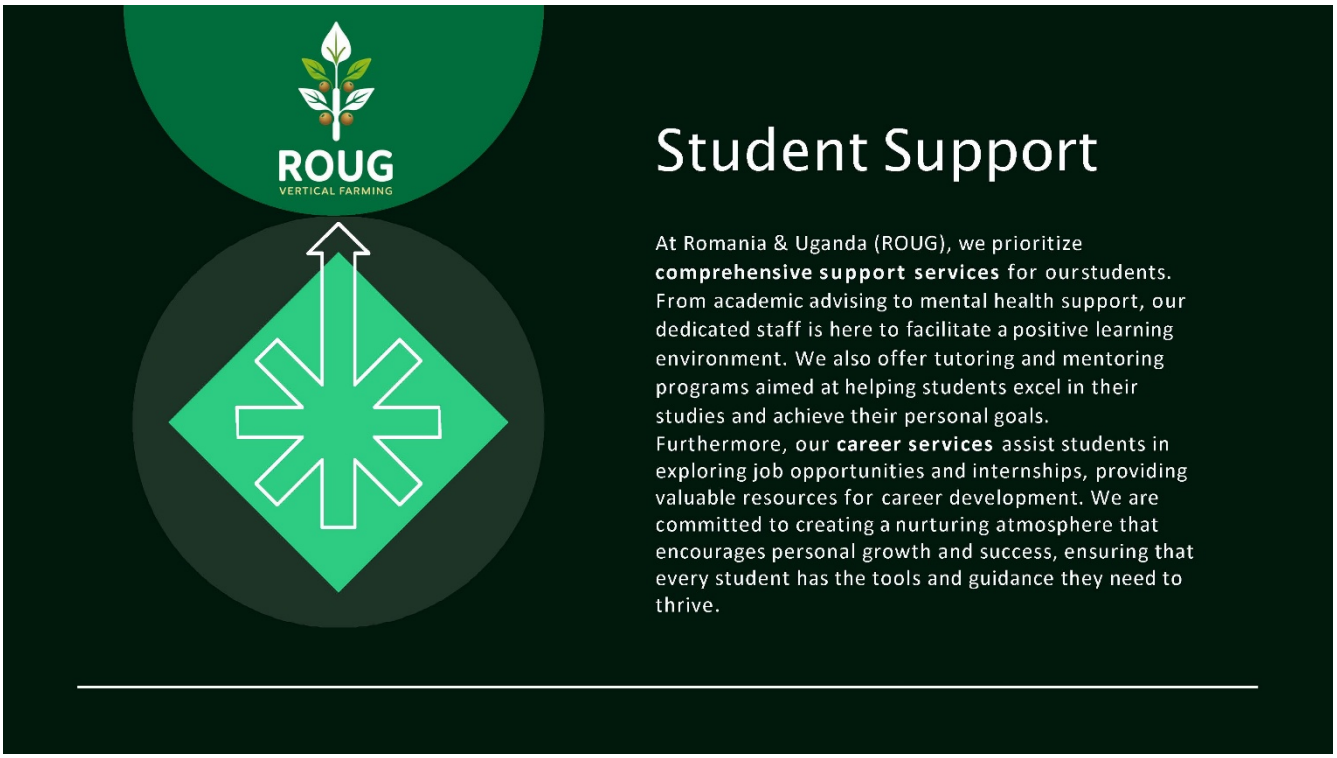
Technology & Equipment

The integration of **advanced technology** in education is crucial for ROUG. Essential learning equipment will include smart boards, projectors, and computers that enable interactive lessons. This technology enhances students' engagement and fosters a modern learning environment, preparing them for future challenges.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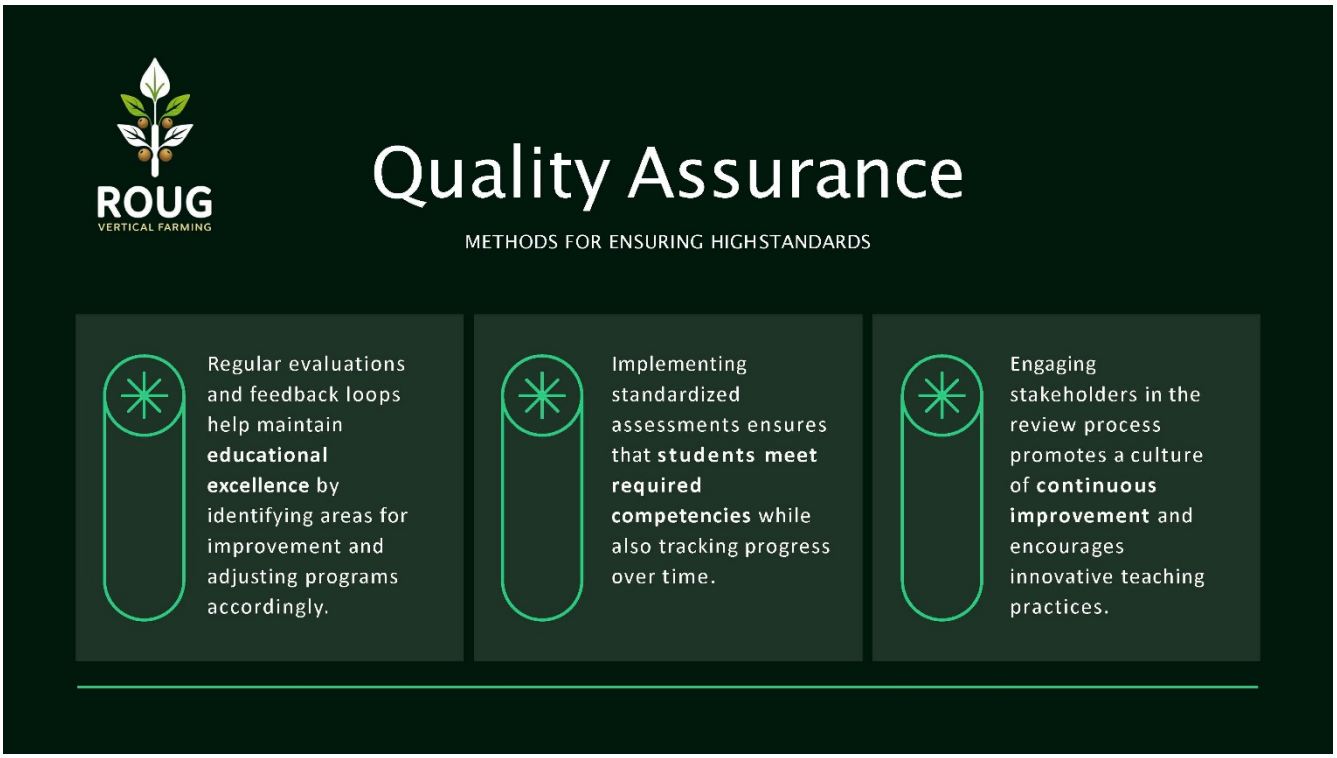
Student Support
At Romania & Uganda (ROUG), we prioritize **comprehensive support services** for ourstudents. From academic advising to mental health support, our dedicated staff is here to facilitate a positive learning environment. We also offer tutoring and mentoring programs aimed at helping students excel in their studies and achieve their personal goals.
Furthermore, our **career services** assist students in exploring job opportunities and internships, providing valuable resources for career development. We are committed to creating a nurturing atmosphere that encourages personal growth and success, ensuring that every student has the tools and guidance they need to thrive.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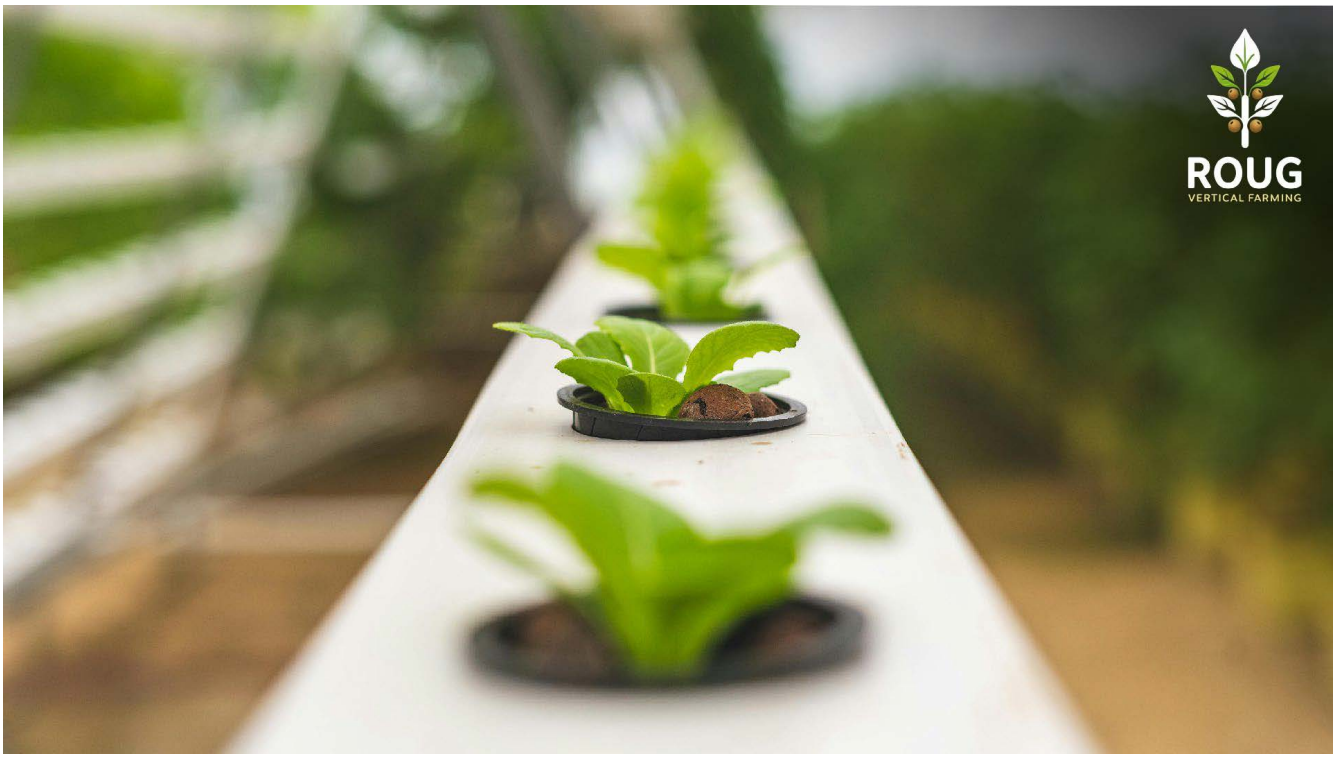
Quality Assurance
METHODS FOR ENSURING HIGHSTANDARDS
Regular evaluations and feedback loops help maintain **educational excellence** by identifying areas for improvement and adjusting programs accordingly.
Implementing standardized assessments ensures that **students meet required competencies** while also tracking progress over time.
Engaging stakeholders in the review process promotes a culture of **continuous improvement** and encourages innovative teaching practices.



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Logistics Overview

KEY CONSIDERATIONS FOR ROUG OPERATIONS

Effective logistics management ensures **smooth operations** within ROUG, focusing on optimizing resources, reducing costs, and enhancing overall efficiency.

Supply chain management is crucial for maintaining **quality supplies** and timely delivery. Building strong relationships with suppliers can significantly improve this process.

Implementing a robust logistics system enables ROUG to **adapt quickly** to changing circumstances, ensuring that all operations run seamlessly and meet educational needs.

Revenue & Sustainability

Produce Sales:

- Organic vegetables, fruits, herbs, flowers
- Value-added products (jams, pickles, dried herbs)

Market Development:

- Farm shop, local markets, online sales
- Partnerships with local restaurants and grocery stores

Additional Revenue Streams:

- Agritourism (farm tours, workshops)
- Hosting events and eco-tours
- Grants and subsidies for sustainable agriculture

Revenue & Sustainability

Funding & Partnerships

Funding Sources:

- Government grants and subsidies
- Private investors, CSR programs
- International development agencies

Partnerships:

- Universities and research institutes
- NGOs focused on youth employment
- Organic certification bodies

Implementation Phases

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Planning, site preparation, securing funding Phase

Construction of facilities, initial planting, curriculum development Phase

Pilot programs, staff recruitment, student enrollment Phase

Full operation, marketing, scaling up sales

Staffing Plan

STRATEGIC OVERVIEW

Staffing Timeline

Timeline	Key Activities	Responsible Parties
Month 1-2	Finalize organizational structure, recruit senior management (Principal, Operations Manager, Finance Officer)	Leadership team, HR partner
Month 2-3	Recruit academic staff (Head of Curriculum, trainers, technicians)	HR, academic leadership
Month 3-4	Hire support staff (administrators, security, maintenance, IT)	HR, Operations Manager
Month 4+	Staff onboarding, training, orientation, and commencement of training programs	All recruited staff

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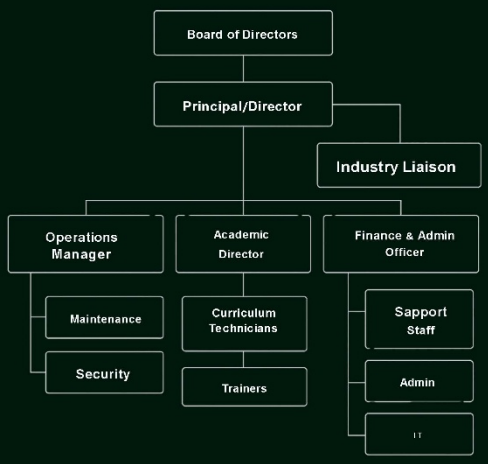
Organogram

ROUG'S STRUCTURE



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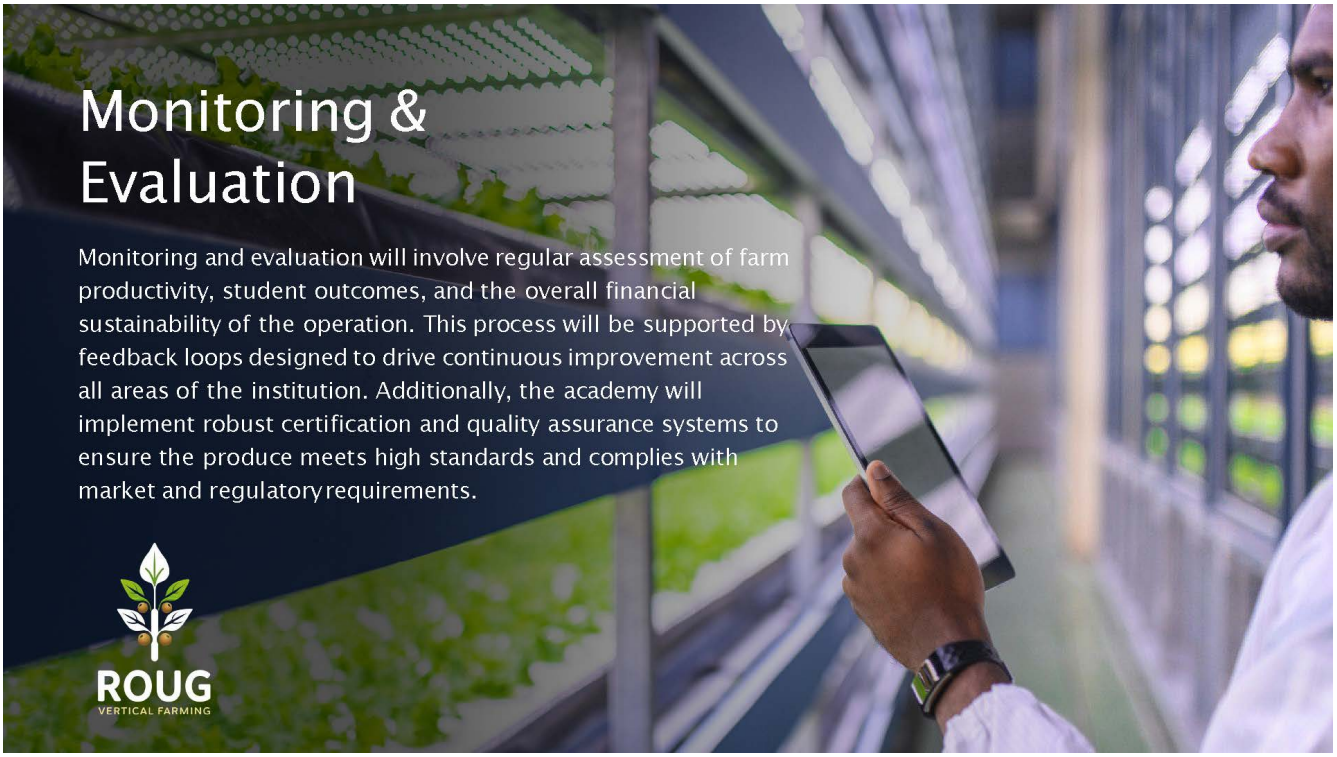
Key Roles

- Principal / Director
- Operations Manager
- Finance and Administrative Officer
- Industry Liaison Coordinator
- Academic Director
- Head of Curriculum Development
- Vocational Trainers / Instructors
- Laboratory and Farm Technicians
- Internship and Industry Placement Coordinators
- Administrative Assistants
- Maintenance Personnel
- Security Personnel
- IT Support Staff
- Student Support Services Staff



Monitoring & Evaluation

Monitoring and evaluation will involve regular assessment of farm productivity, student outcomes, and the overall financial sustainability of the operation. This process will be supported by feedback loops designed to drive continuous improvement across all areas of the institution. Additionally, the academy will implement robust certification and quality assurance systems to ensure the produce meets high standards and complies with market and regulatory requirements.

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Staffing Needs

The success of ROUG relies heavily on having the right staff in place. With a focus on innovative programs, we need educators who are not only qualified but also passionate about teaching. This includes specialists in agriculture, science, and technology to enhance our curriculum and provide students with hands-on learning experiences.

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Recruitment and Training Strategy

- Initial Hiring: Focus on experienced professionals in agriculture and training
- Ongoing Development: Continuous professional development and industry exposure
- Partnerships: Engage with experts and guest trainers for current content
- Diversity and Inclusion: Promote gender balance, inclusive and equitable hiringpractices

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ROUG's commitment to innovation is showcased through our state-of-the-art facilities, including **greenhouses with vertical farming**, modern classrooms, and advanced laboratories, all designed to enhance learning and practical application in agriculture and environmental sciences.

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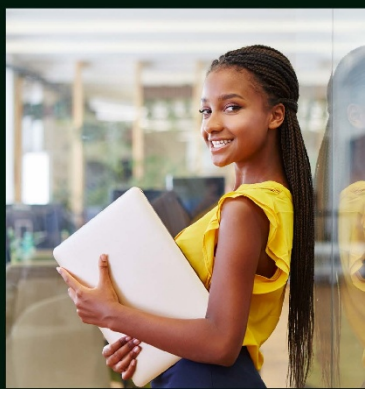
The **classroom and workshop environments** at ROUG are designed to foster creativity and hands-on learning, providing students with the necessary resources to engage in both theoretical and practical components of their education effectively.



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Laboratory spaces are vital for fostering innovation and hands-on learning. These environments enable students to engage with scientific concepts, develop practical skills, and conduct experiments that support their academic and professional growth in the field.

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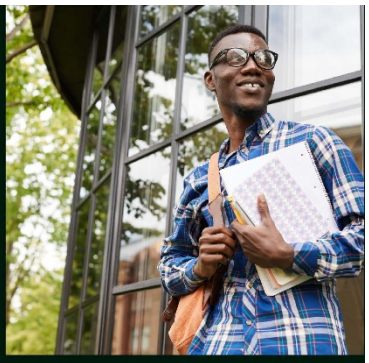
Demonstration farms play a crucial role in **showcasing innovative agricultural practices** and sustainable techniques that enhance productivity while protecting the environment. These farms serve as vital learning hubs for students and the community alike.



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Key Technical Parameters & Specifications:

Technical Parameter	Specification / Performance Capability
Total Campus Footprint	400 acres of master-planned vocational, research, and production facilities in Entebbe.
Dual Education Model	80% practical training on active commercial production lines, 20% classroom theoretical studies.
Agricultural Experience	Sister company in Romania provides 35+ years of market leadership and tech transfer.
Post-Harvest Mitigation	Drops post-harvest agricultural losses (mangoes, avocados, pineapples) from 40% to under 2%.
Automated Greenhouses	IoT sensor-driven climate, temperature, relative humidity, and carbon dioxide monitoring systems.
Water Management	Drip irrigation reducing water consumption by 50%; rainwater harvesting and recycling reservoirs.

Project 2B: Local Copper Sulphate Manufacturing

To overcome international logistics and supply chain bottlenecks, this project establishes localized chemical processing and packaging facilities in Uganda for high-purity Copper Sulphate. Copper Sulphate serves as an essential agricultural fungicide, bactericide, and soil corrector. Fungal infections (such as root rot, powdery mildew, and leaf spots) are major threats to high-value Ugandan crops, particularly coffee, cocoa, tea, and premium horticulture. By producing high-grade Copper Sulphate locally, EBC enables farmers to instantly treat crops, safeguarding yields. Local production also guarantees full compliance with strict European Union organic import regulations, ensuring residue-free organic produce that commands premium prices in European retail markets.

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NEW GENERATION OF PRODUCTS WITH NANOTECHNOLOGY

MESSAGES - PHILOSOPHY - VISION

WHAT IS COPPER SULFATE - CuSO4
FORMULA - PROPERTIES

WHAT IT IS NEEDED FOR

THE USE OF COPPER SULFATE
PRECAUTIONS

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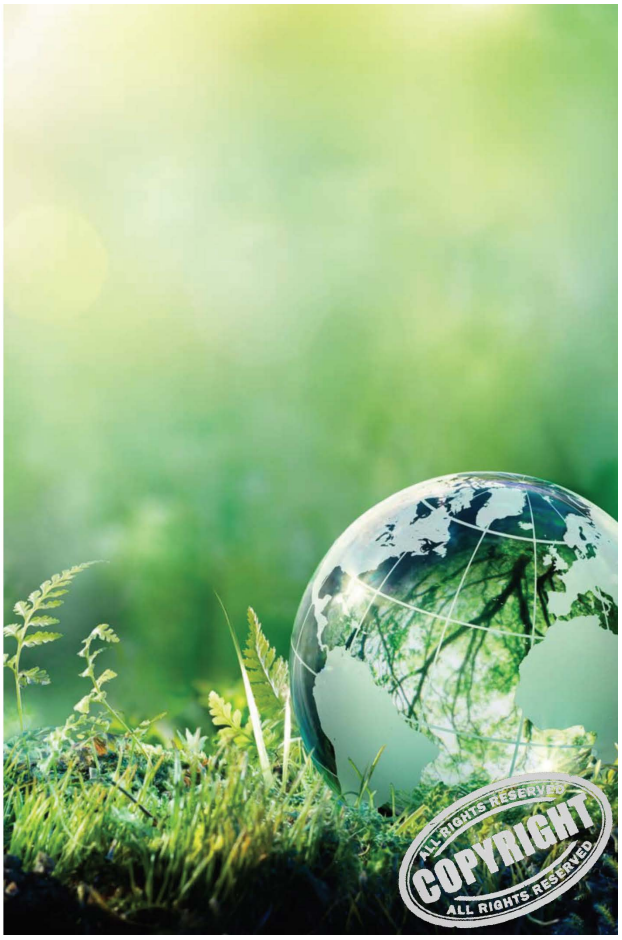

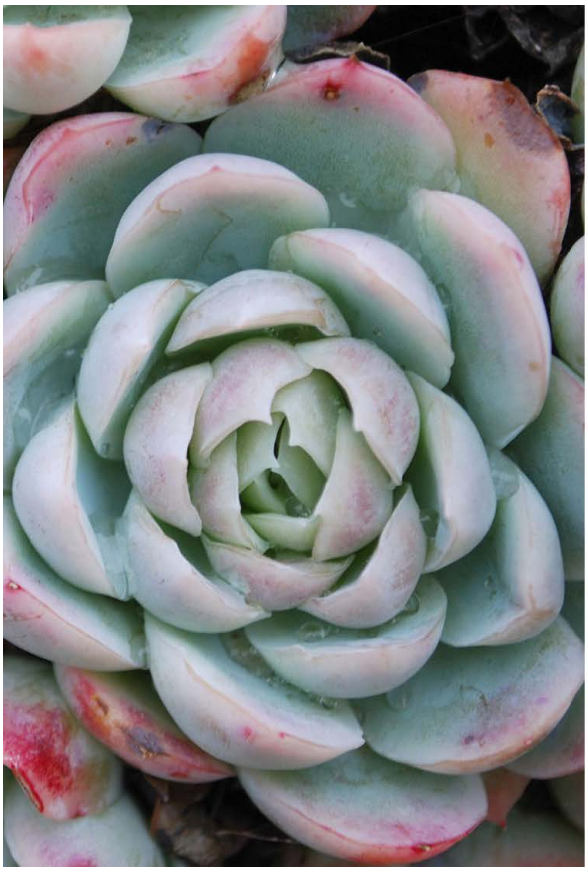

MESSAGES - PHILOSOPHY - VISION

In close collaboration with our partners, we will continue to improve our entire range of services and products offered, developing new ideas, products and solutions that meet the needs of all our customers, now and in the future.

However, we are proud to say that our core values have remained the same as in the past; we promote innovation and sustainability and put the customer first in everything we do.

We will dedicate ourselves to the progress and development of society and our customers, through unique business activities.

Through the four main areas of activity, our Company will make every effort to achieve the objective and help to achieve an ecological and intelligent lifestyle, in safe and secure conditions, starting from a unique technology, which is the basis all our activities.

We will communicate directly with our customers to anticipate their hidden needs and use value-combining innovation to create integrated system and service solution propositions.

We will do our best to combine these strengths in the pursuit of "innovation by combining values".

In this way, we will create new values, which have not been seen before.

We will carry forward the concept of "A Stable Partner in a Changing World", to meet the needs of each client.

All of us who make up the Company will make every effort to maintain this direction.

Our Team

What is copper sulfate?

Copper sulphate pentahydrate - this name has an inorganic chemical compound.

The composition is characterized by toxicity, belongs to the 4th class of danger of toxic substances:

* if the powder gets inside, it irritates the mucous membranes;

* penetrates through the skin into the body with the reverse absorption of sweat;

* if ingested, it can cause food poisoning;

* death is possible.

The chemical compound is a blue powder or transparent crystals of bright blue triclide containing 24% copper. The drug has physical properties:

* metallic taste;

* lack of smell;

* high hygroscopicity;

* good solubility in alcohol in water, sulfuric acid solutions with a high concentration;

* decomposition temperature - 100-250;

* erodes in air;

* lethal dose - 35 ml liquid concentration of 5%.

Formula

What is copper sulfate?

This is a substance obtained under industrial conditions as a result of a chemical reaction. It has a very high hygroscopicity, when it is absorbed, it forms crystals - copper sulfate pentahydrate. Another name for the compound is copper sulfate or copper salt of sulfuric acid.

The composition has the chemical formula CuSO4 5H2O. In it, one salt molecule is associated with five water molecules.

Property

If copper sulfate is used correctly, there will be positive effects only from the application. At the same time, it is safe, does not accumulate in the body, plants and soil and does not give side effects. Useful properties of the compound:

* astringent;
* antiseptic;
* cauterization;
* disinfectant;
* fungicide - fights fungi, bacteria, mold;
* is not dependent on harmful insects;
* promotes the synthesis of plant phytohormones.

What is it for?

Due to its chemical properties, copper sulfate is widely used in many fields. It is used as a food supplement for raising farm animals, for disinfection when keeping animals. The composition applies:

* for cleaning ponds, pools;
* as a component for the manufacture of drugs in pharmacology;
* in the chemical treatment of water.

The composition is widely used in industry:

* exploitation - upon receipt of cobalt, zinc, lead;
* metallurgical – as a composition for galvanic baths, the manufacture of copper cathodes;
* for the production of printed circuit boards;
* in the manufacture of electric batteries;
* for the release of glass, mirrors;
* in the production of pigments, dyes for leather, ceramics, textiles;
* as food supplement E 519 in food;
* for the manufacture of acetate fabric, paints.

Copper Sulphate Gardening

Sulphate is especially popular in agriculture and vegetable gardens. Finds application in different qualities. The chemical is used:

* to combat late blight in tomatoes and potatoes;
* as a remedy for garden pests;
* for ground disinfection;
* as a dressing for copper deficiency in the soil;
* as a fertilizer for garden and indoor plants;
* for processing mold walls, pits;
* for the prevention of fungal diseases of bushes and trees, garden pests.

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The use of copper sulfate in medicine

Although doctors of official medicine avoid using this substance for the treatment of diseases, traditional healers practice its use and show positive results. They note that the beneficial properties of the copper salt of sulfuric acid contribute to recovery in the presence of:

* sciatica;
* fungal diseases;
* diabetes mellitus;
* gynecological pathologies;
* infectious diseases;
* malignant tumors;
* epileptic attacks;
* polyarthritis.

Antiseptic

The use of the solution is recommended for gynecological diseases, due to its antiseptic, cauterizing, anti-infective properties. Can they be doubled with copper sulfate? It is better to consult a gynecologist before the procedure. After solving it, it is important to respect all the proportions in order not to get side effects that can be life-threatening.

For moxibustion

Experienced dermatologists note the effect of using copper sulfate pentahydrate in the treatment of wet eczema. To do this, prepare a blue ointment. With its regular application, cauterization of painful wounds occurs. After two days, they turn brown from blue and fall off.

In case of poisoning

For many years there was the practice of using copper sulfate with signs of poisoning as a means of inducing vomiting. Since even a small violation of the concentration of the solution can cause serious health problems, modern doctors have refused this method of treatment. However, the World Health Organization considers this substance as an antidote in its anatomical therapeutic classification system.

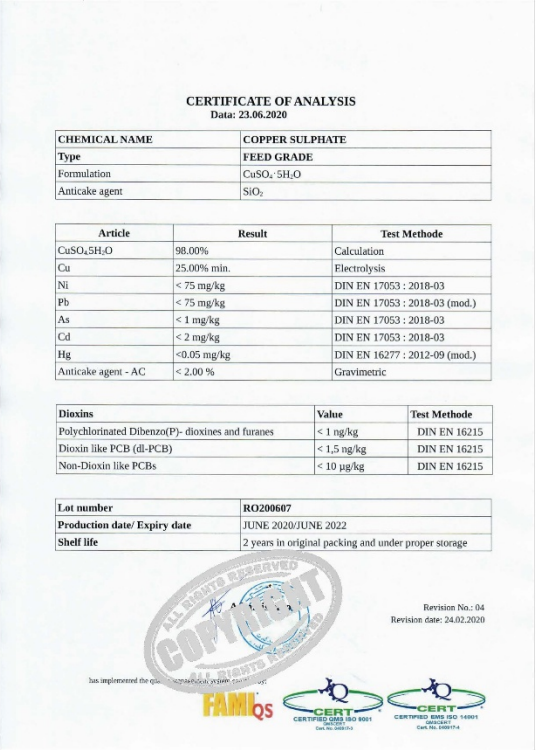
Application of copper sulfate in construction

Due to its refractory, fungicidal properties, an aqueous solution of copper sulfate with a concentration of 10% is used in the execution of construction works. The medicine is applied on wood, concrete, brick surfaces. The composition of copper sulfate contributes to:

* antiseptic protection of wooden parts against degradation;
* removal of rust stains from the surface of buildings;
* giving materials refractory properties;
* neutralization of leaks;
* antifungal protection of the surface of the walls, floors, ceilings before the completion of the works.

The harmfulness of copper sulfate

Caution should be exercised when using the chemical in home and garden conditions. When working with vitriol, children and animals should not be close, compliance with safety instructions is necessary.



CERTIFICATE OF ANALYSIS
Data: 23.06.2020

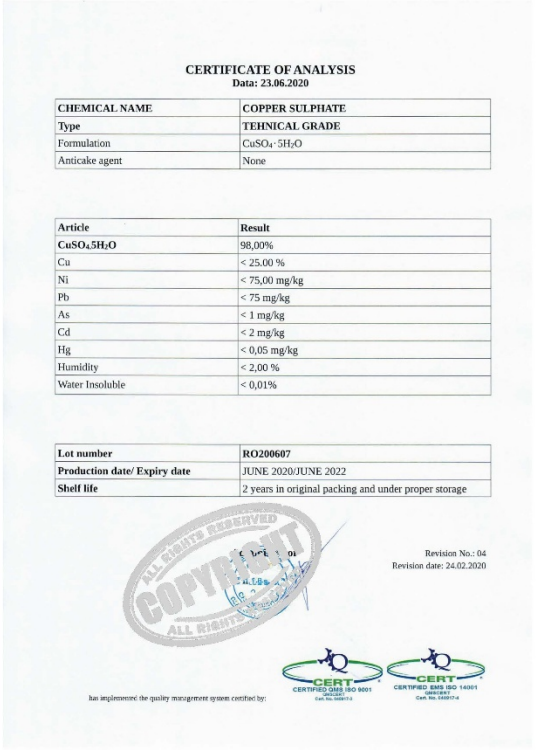
CHEMICAL NAME	COPPER SULPHATE
Type	FEED GRADE
Formulation	$CuSO_4 \cdot 5H_2O$
Anticake agent	SiO_2

Article	Result	Test Methode
$CuSO_4 5H_2O$	98.00%	Calculation
Cu	25.00% min.	Electrolysis
Ni	< 75 mg/kg	DIN EN 17053 : 2018-03
Pb	< 75 mg/kg	DIN EN 17053 : 2018-03 (mod.)
As	< 1 mg/kg	DIN EN 17053 : 2018-03
Cd	< 2 mg/kg	DIN EN 17053 : 2018-03
Hg	<0.05 mg/kg	DIN EN 16277 : 2012-09 (mod.)
Anticake agent - AC	< 2.00 %	Gravimetric

Dioxins	Value	Test Methode
Polychlorinated Dibenzo(P)- dioxines and furanes	< 1 ng/kg	DIN EN 16215
Dioxin like PCB (dl-PCB)	< 1,5 ng/kg	DIN EN 16215
Non-Dioxin like PCBs	< 10 µg/kg	DIN EN 16215

Lot number	RO200607
Production date/ Expiry date	JUNE 2020/JUNE 2022
Shelf life	2 years in original packing and under proper storage

Revision No.: 04
Revision date: 24.02.2020



CERTIFICATE OF ANALYSIS
Data: 23.06.2020

CHEMICAL NAME	COPPER SULPHATE
Type	TEHNICAL GRADE
Formulation	$CuSO_4 \cdot 5H_2O$
Anticake agent	None

Article	Result
$CuSO_4 5H_2O$	98,00%
Cu	< 25,00 %
Ni	< 75,00 mg/kg
Pb	< 75 mg/kg
As	< 1 mg/kg
Cd	< 2 mg/kg
Hg	< 0,05 mg/kg
Humidity	< 2,00 %
Water Insoluble	< 0,01%

Lot number	RO200607
Production date/ Expiry date	JUNE 2020/JUNE 2022
Shelf life	2 years in original packing and under proper storage

Revision No.: 04
Revision date: 24.02.2020

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Key Technical Parameters & Specifications:

Technical Parameter	Specification / Performance Capability
Product Formulation	High-purity localized packaging and chemical preparation of industrial Copper Sulphate (CuSO4).
Primary Application	Broad-spectrum biological fungicide and crop disease treatment (root rot, mildew, blight).
EU Import Compliance	100% compliant with strict European Union organic farming certifications and residue limits.
Export Value Multiplier	Qualifies organic Ugandan coffee and fruits for premium EU markets, raising prices by 300% to 400%.

Project 2C: Bio-Agronomy & Nanotech Stimulants

Integrating cutting-edge bio-agronomy and nanotech crop stimulants into Ugandan farming systems allows for chemical-free pest control and plant fortification. These products consist of physically-acting biological compounds and nano-fertilizers that stimulate seed germination, accelerate root system expansion, and shield crops from environmental stress factors such as severe droughts and high temperatures. They leave zero toxic chemical residues in the soil or produce, protecting local biodiversity, bees, and municipal water tables while significantly increasing crop yields per hectare.

About the Company

Our company has almost 28 years of activity.
Still, our values remain unchanged since 1996: we promote innovation and sustainability and our client is the focus point in all processes.
We are dedicated to our progress and the progress of our clients during unique business activities.
With four main activity domains, our company will make all the necessary efforts to reach its objective and to grow an intelligent ecologic life style, respecting all the security conditions, starting from the unique technology that is the base of our activity.

Company brand is defined as:
- High-tech
- Innovative
- Environmentally clean
- Bio friendly

Mission and the Goal

- Launching innovative products developed with nanotechnology for the health industry.
- Produce affordable, high quality, reliable and safe product to support growth and harvesting of bio products.
- Support budding of innovations and novelties in the fields of Agriculture, health industry, manufacturing etc.
- Support and promote wider application of activated saline water.
- Help farmers to increase quality and productivity at their facilities, provide support in their mission to develop their businesses by means of high-tech and innovative processes and mediums.
- Etc.

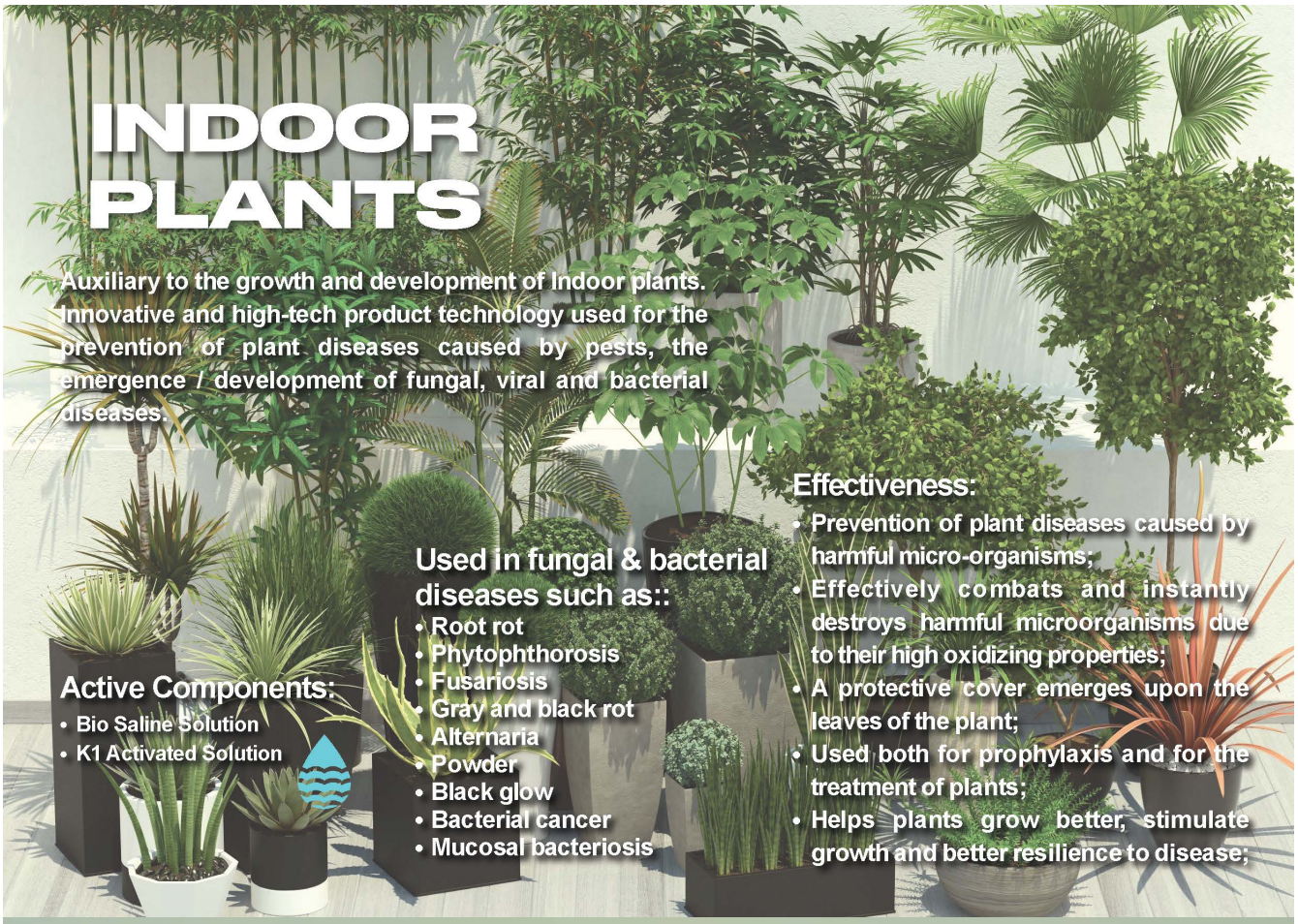

AGRICULTURE
PRODUCTS


FRUITS - NUTS - BERRIES
(ORCHARD)
Applied during the following diseases :
• Mildew
• Scab
• Rust
• Canker/Anthracnose
• Noble rot
• Black rot
• White rot
• Also against damages caused by insects
Active Components:
• Activated Bio Aqua Solution
• K1 Solution
For Fruits & Berries
• Gives chance to produce ecological healthy product, without risk of harmful effects.
• Use is absolutely safe for people, animals and bees, does not require special safety measures.
• Minimizing financial and human resources, the desired result is achieved.
• Does not requires special transportation.
• Promotes fertility, improves yields.
• Enhances immune system and sustainability to pathogens.

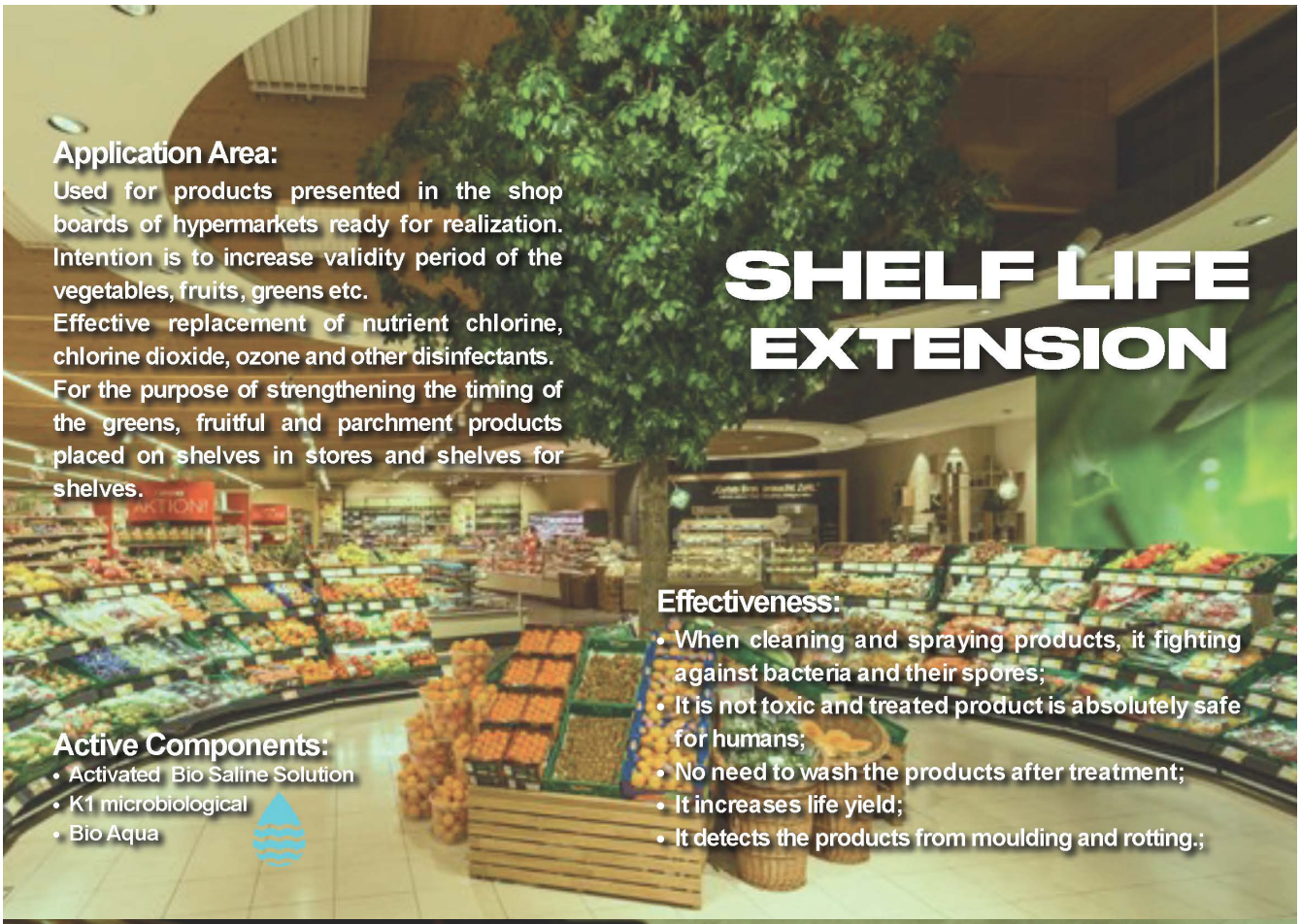

POTATO AND BEET
Application Area:
• Gives chance to produce ecological healthy product, without risk of harmful effects.
• Use of elixir is absolutely safe for people, animals and bees, does not require special safety measures.
• Minimizing financial and human resources, the desired result is achieved.
• Does not requires special transportation.
• Promotes fertility, improves yields.
• Enhances immune system and sustainability to pathogens.
Active Components:
• Bio Saline Solution
• K1 Activated Solution
Harm caused by instects
• (Agriotes opscurus)
• (Leptinorasa decemlineata)
• (Aphis fabae) (Myzodes persicae)
• (Melolontha melolontha)
• (Melolontha hippocastani)
• (Agrotis segetum)
Potato and beetroots diseases
• Potato late blight
• Fusarium wilt
• Potato leafroll virus
• Mosaic virus
• Potato scab
• Beet powdery mildew
• Mildew / Beet rust
• Phoma / Beet cercospora leaf spot•
• Alternaria
• Also against damages caused by insects
Innovative and high-tech product technology for prevention of plant diseases caused by harmful microorganisms for prevention of development / development of fungal, viral and bacterial diseases.
VEGETABLES
Active Components:
• Activated Bio Saline Solution
• K1 Solution
Proven against:
• Puccinia
• Tilletia caries / Septoria Nodorum
• Puccinia recondita / Puccinia graminis
• Claviceps purpurea
• Fusarium graminearum
• Pseudocercosporella herpotrichoides
• Blumeria graminis
Effectiveness
• Ability to produce environmentally friendly, Chemical risk-free products.
• Complete safety for humans, Do not require specific protections.
• Achieving the desired effect with minimal financial and human work promotes increased fertility andyield.
• Strengthens the immune system and resistance to pathogens.


GREENHOUSE PLANTS
Application Area:
Supporting product for greenhouse cultures (herbs, Stem vegetables, Fruit-vegetables) Prophylaxis of plant diseases caused by harmful microorganisms.
Prevents the creation/development of fungal, viral and bacterial diseases.
Effectiveness:
• Gives a chance to produce ecological healthy product, without risk of harmful effects.
• Absolutely safe for people, animals and bees, does not require special safety measures.
• Minimizing financial and human resources, the desired result is achieved.
• Does not requires special transportation.
• Promotes growth, improves yields.
• Enhances immune system and sustainability to pathogens.
Effective against:
• Root rot
• Late blight
• Fusarium wilt
• Black rot
• Alternaria
• Mildew
• Anthracnose
Active Components:
• K1 microbiological Activated
• Bio Aqua


Application Area:
• Gives a chance to produce ecological healthy product, without risk of harmful effects.
• Use is absolutely safe for people, animals and bees, does not require special safety measures.
• Minimizing financial and human resources, the desired result is chieved.
• Does not requires special transportation.
• Promotes fertility of vineyard, improves yields.
• Enhances immune system and sustainability to vine pathogens.
VINE
Active Components:
• K1 microbiological
• Bio Aqua
Bacterial diseases:
• Phytoplasmas
• Pseudomonas
• Xantomonas
• Corynebacteriuma
• Erwinia
Fungal diseases:
• Mildew
• Powdery mildew
• Anthracnose (Bird's Eye)
• Apoplexy or Esca
• Black rot
• White rot
Viral diseases:
• Grapevine Fanleaf Virus (GFLV)
• Grapevine Leaf Roll Virus-1 (GLRV-1)
• Grapevine Fleck Virus (GFkV)
• Viroids
• Grapevine red leaf
• Tomato Ringspot Virus (ToRSV)
• Arabis Mosaic Virus (ArMV)
• Grapevine Virus A(GVA)


INDOOR PLANTS
Auxiliary to the growth and development of Indoor plants. Innovative and high-tech product technology used for the prevention of plant diseases caused by pests, the emergence / development of fungal, viral and bacterial diseases.
Active Components:
• Bio Saline Solution
• K1 Activated Solution
Used in fungal & bacterial diseases such as::
• Root rot
• Phytophthorosis
• Fusariosis
• Gray and black rot
• Alternaria
• Powder
• Black glow
• Bacterial cancer
• Mucosal bacteriosis
Effectiveness:
• Prevention of plant diseases caused by harmful micro-organisms;
• Effectively combats and instantly destroys harmful microorganisms due to their high oxidizing properties;
• A protective cover emerges upon the leaves of the plant;
• Used both for prophylaxis and for the treatment of plants;
• Helps plants grow better, stimulate growth and better resilience to disease;


Auxiliary mean of growth and quality improvement of oil crops. Innovative and high-tech product technology used as a means of growth of sunflower, soy, olive, peanuts and other oily crops.
OIL CROPS
Active Components:
• Activated Bio Saline Solution
• K1 microbiological
• Bio Aqua
For Oil Crops:
• Harvesting bio-based products free of pollutant pollution;
• Prophylaxis of plant diseases caused by harmful microorganisms;
• Preventing the development of fungal, viral and bacterial diseases;
• Effectively fighting and instantly destroys harmful microorganisms;
• High Redox potential and a wide range of impacts;
• Effectively fighting and instantly destroys harmful microorganisms;
• Reduction / replacement of various pesticides;
• By means of flasks, the elixir is reached on the plant's leaves, and its subsequent use is formed by a protective cover;
• Using less financial and human resources, achieving the desired result;
• Increases the productivity and yield of oily crops;


SHELF LIFE EXTENSION
Application Area:
Used for products presented in the shop boards of hypermarkets ready for realization. Intention is to increase validity period of the vegetables, fruits, greens etc.
Effective replacement of nutrient chlorine, chlorine dioxide, ozone and other disinfectants.
For the purpose of strengthening the timing of the greens, fruitful and parchment products placed on shelves in stores and shelves for shelves.
Effectiveness:
• When cleaning and spraying products, it fighting against bacteria and their spores;
• It is not toxic and treated product is absolutely safe for humans;
• No need to wash the products after treatment;
• It increases life yield;
• It detects the products from moulding and rotting.;
Active Components:
• Activated Bio Saline Solution
• K1 microbiological
• Bio Aqua


CORN AND GRAIN CROPS
Application Area:
Gives a chance to produce ecological healthy product, without risk of harmful effects. Use of elixir is absolutely safe for people, animals and bees, does not require special safety measures.
Minimizing financial and human resources, the desired result is achieved.
Does not requires special transportation.
Promotes fertility of cereals, improves yields.
Enhances immune system and sustainability to pathogens.
Using during the following diseases:
• Wheat yellow and brown rust
• Wheat common bunt / Stinking smut
• Septoria
• Eyespot/ Straw breaker
• Ergot
• Fusarium head blight (corn)
• Powdery mildew / Cereal stem rust
• Also against damages caused by insects
Active Components:
• Activated Bio Saline Solution
• K1 microbiological
• Bio Aqua

GRAIN STORAGE

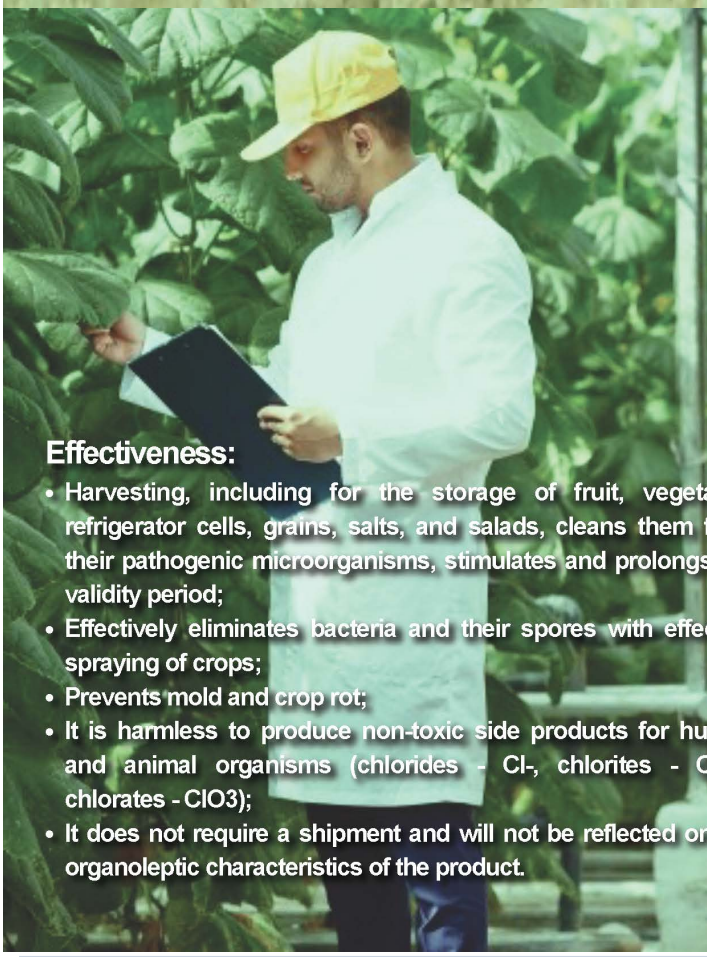
For grain processing is innovative, safe for people and animals, environmentally friendly product.
This high-tech product technology, is a substitute for Gaseous chlorine, chlorine dioxide, ozone and other disinfectants.
Disinfects the seed surface. Used for before keeping seeds in storage.

Components:

- Activated Bio Saline Solution
- K1 microbiological
- Bio Aqua.

Effectiveness:

- Enhances immunity and prevents fungal, viral and bacterial diseases from emerging / developing;It is not toxic and treated product is absolutely safe for humans;
- Promotes increased productivity;
- Pre-storage treatment protects the seed from various diseases and prolongs the shelf life;
- Has high redox potential and oxidizing properties, which give it strong bactericidal, sporacid and virocidal effects;
- Causes a wide range of effects to protect the seeds from diseases such as: Common bunt, Septoriozis, Cercosporozis, Ergot, Fusariozis;
- Has a repetitive (precautionary) effect on harmful insects and the prevention of plant diseases caused by harmful microorganisms.



CROP STORAGE

Effectiveness:

- Harvesting, including for the storage of fruit, vegetable, refrigerator cells, grains, salts, and salads, cleans them from their pathogenic microorganisms, stimulates and prolongs the validity period;
- Effectively eliminates bacteria and their spores with effective spraying of crops;
- Prevents mold and crop rot;
- It is harmless to produce non-toxic side products for human and animal organisms (chlorides - Cl-, chlorites - ClO2, chlorates - ClO3);
- It does not require a shipment and will not be reflected on the organoleptic characteristics of the product.

Application Area:

Used for saving long term storage of the harvest including all types of vegetables, fruits, greens.
Effective replacement of nutrient chlorine, chlorine dioxide, ozone and other disinfectants. It is used for spraying the harvest now and for long periods of storage.
Including: for the storage of fruit, vegetables, grains, refrigerated cells, salts, stools.

Active Components:

- K1 microbiological
- Bio Aqua

Key Technical Parameters & Specifications:

Technical Parameter	Specification / Performance Capability
Active Compounds	Bio-active nanotech organic fertilizers, root stimulants, and natural crop defense boosters.
Soil Ecotoxicity	Zero chemical residue; completely safe for local bees, beneficial soil organisms, and earthworms.
Seed Germination Boost	Accelerates seed germination rates by up to 25% under varied moisture conditions.
Root System Expansion	Increases active root surface area by 40%, optimizing nutrient and water absorption.

3. Bilateral Facilitation & Execution Model

EBC acts as the primary facilitator of trade corridors between Uganda, Romania, and the EU. ROUG implements a dual education model where students complete internships on working commercial lines, keeping academic learning 100% aligned with high-value international exports.Protocol & Technical Validation Notice

PROTOCOL ACCORD: This strategic document is prepared under bilateral partnership guidelines and is subjected to technical audits by EBC scientific and tactical councils. The deployment parameters mentioned are mathematically validated and scale-tested across active European and regional deployment sites. Transfer of technologies is bound by sovereign bilateral agreements and international intellectual property protocols.