



SEALED STERILE COMPUTERIZED HYDROPONIC CULTIVATION

ROME, MAY 16 2018

Ferrari
Farm
Nature & Technology



13 ha @ 700 meters height, on Salto Lake (RI)

AGRITURISMO
Locanda Colle Cerqueto[®]
LUXURY COUNTRY HOUSE

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Q

- ✓ Organically Different Cultivations: 100% open field (orchard, garden, spices & herbs) NO treatments
- ✓ Hydroponic Cultivations in sterile, sealed, fully computerized, new generation greenhouses
- ✓ Food Processing Line under Vacuum
- ✓ Agriturismo Locanda Colle Cerqueto
- ✓ Educational Farm



HYDROPONIC PLANTS



Hermetic, sterile, computerized, hydroponic plant for growing under absolute sterility anywhere in the world, and not only!

Standardized design, so that the greenhouses can work indiscriminately with the most common hydroponic techniques: Drip Irrigation, NFT and Ebb and Flow.

2 greenhouses and 1 phytotron (LED illuminated) for fully computerized, automatic, hydroponic crops, for independent production from external climatic conditions and without environmental pollution.

HYDROPONIC PLANTS

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HYDROPONIC PLANTS



CLEAN productions, independent on the weather, without generating environmental pollution and without being polluted:

- SEALED: NO exchange with the external environment
- STERILE: Air and Water are sterilized
- COMPUTER CONTROLLED: Autonomous Cultivations
- ELECTRONIC CULTIVATION RECIPE: at every moment, every day and throughout the life of the plant, a computer automatically controls and monitors all parameters according to a predefined recipe.
- CLOSED CYCLE: minimization of the water consumption.



HYDROPONIC TOMATO

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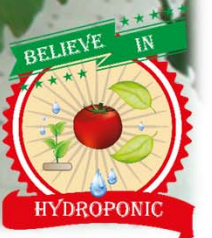


HYDROPONIC TOMATO



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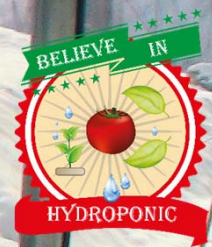


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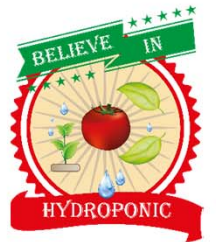
HYDROPONIC BASIL



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FOOD PROCESSING LINE



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Washing, sorting,
blanching, pitting

Vacuum concentration

Putting-into-jar,
capping & sterilization

NO Thickeners

NO Preservatives

100% Made in Italy



I-FARM PRODUCTS



ROBOTFARM



New way of indoor growing

A new appliance... a small automatic hydroponic greenhouse able to cultivate directly in the people's home.

o Indoor cultivation" accessible to all



o Salads, spices, micro-greens, baby-greens directly at HOME
@ 0 meters!

Just open the door and collect, at the rest thinks RobotFarm®.

ROBOTFARM

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Robot Farm®



ROBOTFARM



ROBOTFARM

Robot Farm[®]

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ROBOTFARM



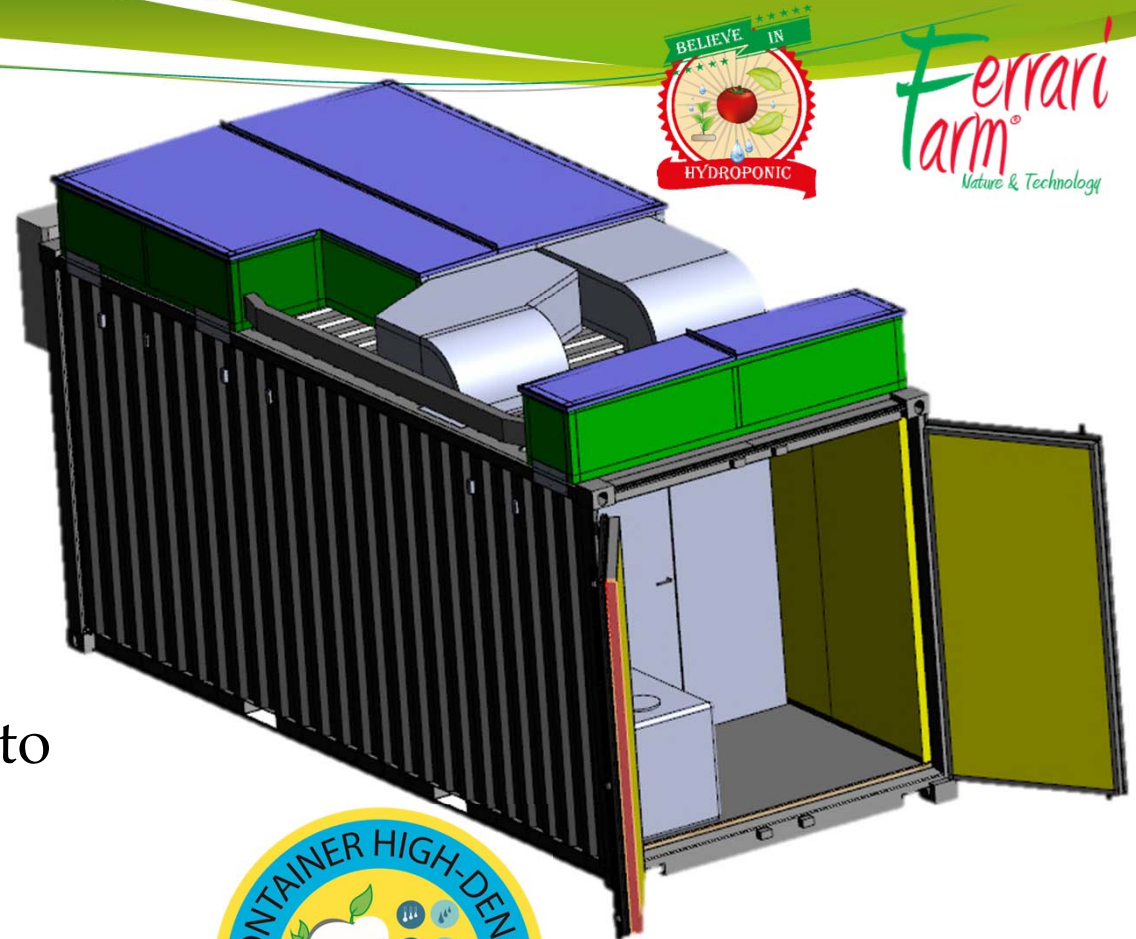
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CHEF PROJECT

Design & Development of a Vertical Farm:

- Hydroponic Cultivation
- ISO 20 shelter
- Sterile: ISO 8 Clean Class
- Closed Cycle
- Fully Automated from seed to harvest



Partnership G & A Engineering/ENEA SSPT-BIOAG



Co-financed by Lazio Region

CHEF PROJECT



CHEF PROJECT



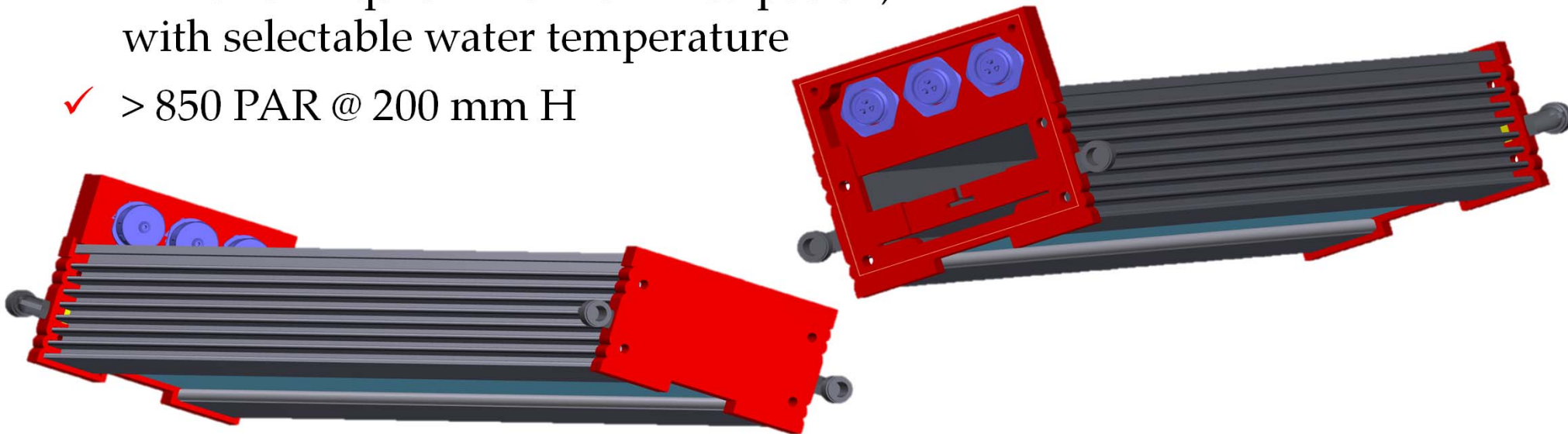
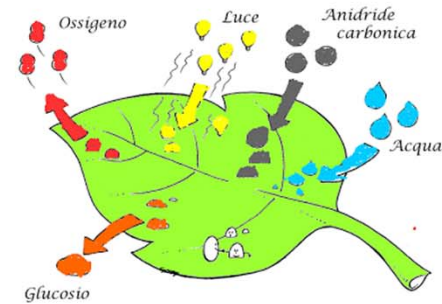
NEW LED LAMPS

New generation LED lamps:

- ✓ Multi-spectral light
- ✓ Single Wavelength command & control
- ✓ Air and Liquid Thermal Dissipation, with selectable water temperature
- ✓ > 850 PAR @ 200 mm H



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NEW LED LAMPS



SPACE FARMING



IBIS Group Member

Member of the working group instituted by the Italian Space Agency concerning bio-regenerative systems.

The only Farm reality in an interdisciplinary working group.



SPACE FARMING



65TH INTERNATIONAL CONGRESS OF AVIATION AND SPACE MEDICINE
Rome, 10-14 September 2017



65° ICASM (International Congress of Aviation and Space Medicine)

Ferrari Farm selected for the educational path “GREEN” for the international delegation of the International Congress of Aerospace Medicine.

<http://www.icasm2017.it/home.asp>

OUR FUTURE

FUNCTIONAL
FOOD



INDOOR
FARMING



THANK YOU!

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