Smart IoT Farming

Controlling Yield Effectively, Efficiently & Organically

Ai Industrial Automation

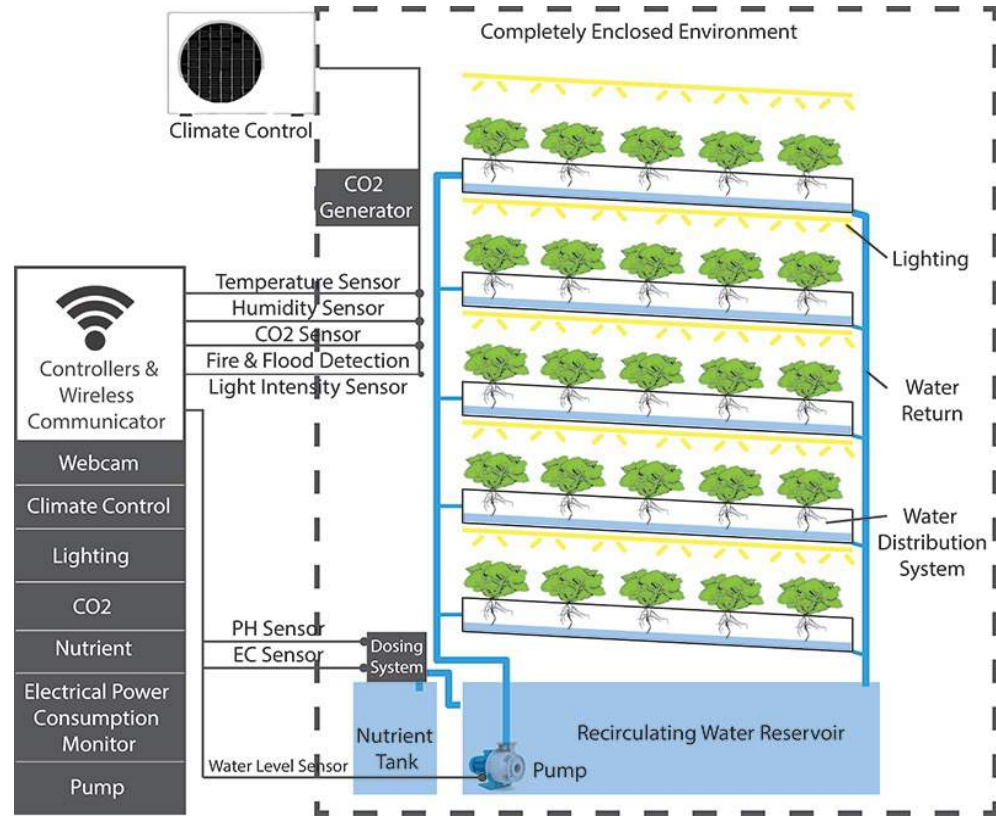**DIGITAL TRANSFORMATION**

RBC ENGINEERING

- **Smart IoT (Sea Container) Farming** is a pre-engineered easy-to-operate system that produces fresh plants like lettuce and strawberries in any climate, effectively, efficiently and organically.

- The 300 square foot layout of a 40-foot shipping container makes for easy maintenance and harvesting of up to the same amount of produce as one acre or more of land with traditional farming methods. Plants can be grown using 95 per cent less water and use up to 30 per cent less energy than an outdoor soil-based farm with similar yields.

- Hydroponics is a system of growing that is used in our container farming and is free from soil and harmful weather conditions. Instead, seedlings take root inside grow plugs made of moss. Once the seedlings grow large enough, they are transplanted into vertical towers shown in the picture. The containers are designed a bit differently for cultivating cannabis.

- Farmers can build themselves or purchase as an investment, additional to their current outdoor farming operations to guarantee yield and provide fresh produce year-round. The produce can be sold and delivered through grocery distribution to local restaurants through Uber Eats or similar smart APP's that are monitored by your IOS or Android device.

Internet-of-Things (IoT) tech is providing real-time monitoring of both traditional and urban farming systems. This enables farmers to reduce waste and enhance productivity.

- IoT-based "Smart Farming" can control and monitor light, humidity, temperature, PH levels, CO2, flow and temperature of water, soil and more using sensors. These sensors alert and manage automated fertilizer and MRO (maintenance, repair, and operations) systems to apply the quantities needed and inform farmers as required.

- Monitor return-on-investment (ROI), sales pipeline, yield of crop, cost of electricity being utilized and even the carbon cost footprint, all from an APP that can be controlled by your smartphone.

- The APP can double as a classroom where farmers or students can learn about biology, nutrition and distribution.

RBC Engineering is a General Contractor and leader in IoT through Industrial Automation.

We are currently working on the first "Smart Farming Condo Development" for a client in Canada with these unique **Smart IoT (Sea Container) Farming Condos** on secured 25' x 50' property lots, offering the option to allow farming to be sustainable, fully relocatable, and pre-engineered to use renewable energy and smart automation. Essentially providing a total farming solution.

Controlling Yield, Effectively, Efficiently & Organically through Digital Transformation

Please visit us on our website www.rbcengineering.ca and call, text or email to learn more…

Please also check us out on youtube… https://youtu.be/UcMeS4OdVYc

Regards,

Shaine Girling

RBC Engineering
www.rbcengineering.ca
Toll Free: +1 (877) 247-6033
Call or Text: 306-716-3000
shaine.girling@rbcengineering.ca