



# the FUTURE OF AGRICULTURE

Smart Farming and the Benefits of IoT



## INDUSTRY UPDATE: Inevitable Changes in Agriculture

We have seen shifts in the way we farm worldwide, with countries adopting modern technologies to make agricultural processes more precise and efficient.

One of the primary drivers of these changes is Smart Farming or the application of the Internet of Things (IoT), which will inevitably dictate the future we're all heading towards.

However, farmers and growers are hesitant from taking their first step towards Smart Farming.

Reasons behind this are:

- High costs
- Limitations in infrastructure
- Security concerns
- Limited technology experience

With the mission to make IoT Technology more readily available, ABnet, with our parent Rigstar Industrial Telecom, have developed solutions to address these concerns.



[www.abnet.ca](http://www.abnet.ca)



1.855.283.3490





## Your Rural Connection

At ABnet, our core value is to make Internet services and IoT more accessible than ever before. Supported by a reliable and robust network, ABnet provides businesses and residential areas with secure and customizable solutions to keep you connected, no matter how remote.

## OUR NETWORK

### KEY BENEFITS OF ABNET



#### POWERFUL & SECURE

Access your own long-range, low-power carrier-grade IoT network that supports all IoT applications without having to compete with other sources over the network.



#### COST-EFFECTIVE

Save huge costs while delivering intelligent tracking and monitoring abilities along with improving processes to drive efficiency.



#### ENSURED MAX UPTIME

Maximum uptime is achieved with our highly skilled analysts who monitor and support the IoT network through our 24/7 Network Operations Centre (NOC).



#### FLEXIBLE & CUSTOMIZABLE

Enjoy our flexible Internet solution that's suitable for a wide range of sectors and can be customized depending on your specific needs.



#### 24/7 CUSTOMER SUPPORT

Leverage the expertise of our team to ensure a successful seamless digital transformation experience.

# Benefits of IoT in Agriculture

Check out some of the benefits of adopting IoT in your Agribusiness.

## Better Quality Produce

Using IoT allows you to create and set the best conditions for your products to produce them at better qualities and higher nutritional value. Moreover, you can also yield more produce and cut losses, increasing your agribusiness revenue.

## Effective Agribusiness Management

Data-driven decision-making reduces risk and creates more space for further opportunities. With an IoT backed system, you can reduce time spent on manual labor and even on administrative tasks, allowing for a more efficient way of handling your agribusiness.

## Business Automation

IoT can help you automate systems that create the best environment for your livestock and crops. Secure the quality of your products with smart irrigation systems, automated greenhouses, and other system improvements that you can implement, powered by an IoT network.

## Monitoring and Control

Monitor your crops and livestock, and control the conditions using IoT technology. With IoT, you can monitor the health of animals, their locations, and safety. You can also control the climate your crops are subjected to, allowing for increased quality and quantity in a greenhouse environment.

## Food Supply Chain

IoT can assist with the fresh food supply chain, allowing for improved safety, supply, and reduction of food waste. Studies have shown that food wholesalers and retailers can increase profit margins and waste by 50 percent with the use of IoT sensors for tracking and monitoring. This benefit is ideal for farmers and the rest of the world, whose demand for food continues to increase alongside our world population.

## Future-readiness

Adopting IoT now allows your agribusiness to be one step ahead when it comes to the use of devices and systems made for smart farming. This opens your farm to future possibilities with additional innovations that can continuously propel your agribusiness forward.





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