Total solutions in next-generation protected horticulture by utilizing IoT/AI technology

Agriculture × Technology × Community Revitalization
In agriculture which is the one of the largest industry in Japan,
we provide new value and possibility to revitalize communities by utilizing ICT technology.
~Community Revitalization by utilizing ICT and Agriculture~

I deeply appreciate your continued support.

“NTT AgriTechnology” was established as the first company specializing in combining agriculture and ICT in the NTT Group.

NTT East has continued to exchange opinions everyone at the municipalities, JA, agricultural corporations, and farmers, and helped solve issues revolving around agriculture, this region’s primary industry, and other related issues, as well as performed a number of projects together to promote even further growth.

I feel a renewed appreciation for the fact that agriculture is the largest industry that has contributed to Japan as well as this region, and have worked searching for options as we face the issues of a decreasing birthrate and aging population and international competition, much as other industries are facing.

All the while, we have been receiving feedback from municipalities stating that they expect the effective use of unused farm land and next generational protected horticulture that can create new employment opportunities to assist with revitalizing the region. From farmers and agricultural corporations, we have been told that a comprehensive system, including facility design, IoT, robotics, and work style (labor and production management, etc.) will be required to implement next generational protected horticulture.

For these reasons, our new company was established with the purpose of using next generational protected horticulture for regional social and economic revitalization, and use next generational protected horticulture IoT/AI technology to produce agriculture ourselves, and provide total solutions to our clients.

Agriculture is notable for being an industry with an extremely large amount of related industries, including distribution, storage, local energy, processing, and food retail. It would be my greatest pleasure if we could assist in urban planning in which we could bring together agriculture related industries and combine them with the assets of the NTT group to form an agricultural eco-city.

NTT AgriTechnology and NTT East will move forward together with the people living in this region.

It is a challenging business, but we will move forward with the belief that it is something our company is capable of.

We will cooperate, rather than compete, with you all to create new things.

I look forward to expanding the business with your help.

Thank you.

Photo taken in Netherlands

NTT AgriTechnology
CEO Taiga Sakai

※ICT: Information and Communication Technology
**Next-Generation protected horticulture enable to get high productivity and sustainable agriculture**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>High productivity by controlled environment agriculture</strong></td>
<td>Precision farming by utilizing controlled environment agriculture systems (temperature, humidity, CO2, etc.)</td>
</tr>
<tr>
<td><strong>Large scale management by big number of employment</strong></td>
<td>To grow your business by standardizing the processes for efficiency, clarification of the work plan and labor management.</td>
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<tr>
<td><strong>breaking away from fossil fuel by utilizing regional energy</strong></td>
<td>Using Regional energy and breaking away from fossil fuel bring stable management.</td>
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*Created by NTT East based on MAFF’s data (Ministry of Agriculture, Forestry and Fisheries)*

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**The reason why Next-Generation protected horticulture is spotlighted**

- **For Scale up the business**
- **To install ICT and robotics, total solutions for greenhouse and labor management are needed**
- **Community Revitalization by agriculture (including related industries)**
- **Development as agricultural eco-city**

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Support

Municipality

Scaling up

Agricultural corporation

Certified farmer

Individual farmer
Total solutions in next-generation protected horticulture for farmers

- Precision farming by utilizing IoT
- Yield forecast and Labor management by utilizing AI

Providing High productivity and sustainable agriculture by our Management system
- Forecast of demand and supply, Food Value Chain,
- Support for getting certified with GLOBAL GAP (Good Agricultural Practices)

Making use of NTT East’s experience

- Visualization of greenhouse environment by IoT
- Yield forecast by AI
- Remote support and onsite maintenance

Utilizing NTT Group’s asset
We are managing own ultra modern greenhouse to brush up our solutions

*NTT AgriTechnology start to running our ultra modern greenhouse from autumn in 2020

We provide new value and possibility by accumulated experience in this firm
Making Eco City, starting from agriculture including related industries

Our goals

- Positive economic effect in related industry
- Job creation in local community
- Making use of unused farmland
- Infrastructure development
- Increasing population
- Revitalizing logistics
- Utilizing regional energy

NTT AgriTechnology seeks to resolve social challenges for people, clients and communities through theme of agriculture, ICT and Community Revitalization

Business partners

NTT Group’s advantages

- IoT/AI Technology
- Block chain/traceability
- Experience in Community
- Energy management

Corporate Profile

<table>
<thead>
<tr>
<th>Company Name</th>
<th>NTT AgriTechnology Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headquarters</td>
<td>3-19-2 Nishi-Shinjuku Shinjuku Shinjuku-ku, Tokyo, 163-8019</td>
</tr>
<tr>
<td>President and CEO</td>
<td>Taiga Sakai</td>
</tr>
<tr>
<td>Business Overview</td>
<td>Providing Total solutions in next-generation protected horticulture by utilizing IoT/AI technology</td>
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<tr>
<td>Capital</td>
<td>400 million yen</td>
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<td>Founded</td>
<td>July 1, 2019</td>
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