

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



Agriculture × Technology × Community Revitalization

COMPANY PROFILE



MISSION

We endeavor to discover new possibilities and values in the fields of food and agriculture to create a sustainable and abundant community.

“Advancing the Community to the Next Generation with AGRI-TECH”

We are the only company in the NTT Group specializing in food and primary industry.

The recent impact of "geopolitical and infectious disease risks," "escalating climate change," "international price hikes and exchange rate fluctuations," and other factors have once again highlighted the stable supply of food as a national security risk. I am sure that you are now familiar with this risk in more and more situations.

Against this backdrop, we have been working with various partners in both Japan and overseas to promote projects in order to play a role in the "stable supply of food" and "growth, transmission, and enhancement of the attractiveness of the primary industry. As the word "Rural Village" suggests in Japan, we realize that the primary industry is an important local industry that cultivates culture and community, and that it is closely related to the creation of a community. The primary industry is also characterized by a very broad base of peripheral industries, including logistics, warehousing, local energy, processing, and food sales. It would be my greatest pleasure if we can be involved in "regional development" such as an "agricultural eco-city" that starts from the primary industry, integrates peripheral industries and infrastructure, and combines the assets of the NTT Group.

In addition to production and sales at our own farms and land-based aquaculture farms, our business achievements include support for building smart cities with primary industry as the starting point, design and construction of large-scale high-tech greenhouses, breeding (new breed development), provision of labor and production management systems, yield prediction, consulting, field sensing, productivity improvement and labor saving using IoT/AI, support for building communication systems, measures against birds and animals, remote farming support, robotics application support, sales of related products, and lecturing. Please take a look at the case studies on our website, along with the key implementation results.

We not only provide the methods to solve issues, but we also dive into those issues ourselves, providing powerful and realistic stories to our clients. Our goal is to strive to contribute to society the expertise we have acquired through these experiences.

As a member of the NTT Group, we are a company that works together with local communities. Although it is a challenging business, we believe that there are domains where we can contribute because of our company, and we will continue to move forward. In the spirit of "co-creation" rather than "competition," we will continue to create novel ideas with customers. With your guidance and encouragement, we will continue to devote ourselves to Japanese agriculture and to the world.

Thank you.



Tedy Corporation (<https://www.tedy.jp/>), a high-tech greenhouse facility designed and constructed by our company.

NTT Agritechnology
CEO Taiga Sakai

High-tech greenhouse horticulture that achieves "high productivity" and "sustainable agriculture"

Enhanced productivity through the introduction of advanced environmental control technology

By using ICT to control multiple environmental factors (temperature, humidity, CO2, etc.) in combination, achieve year-round, planned production and dramatically improve yields.

Large-scale businesses utilizing a workforce of employees

Expand the scale of operations through efficient production utilizing workforce by formulating and reviewing work plans, properly allocating employees, and standardizing operations.

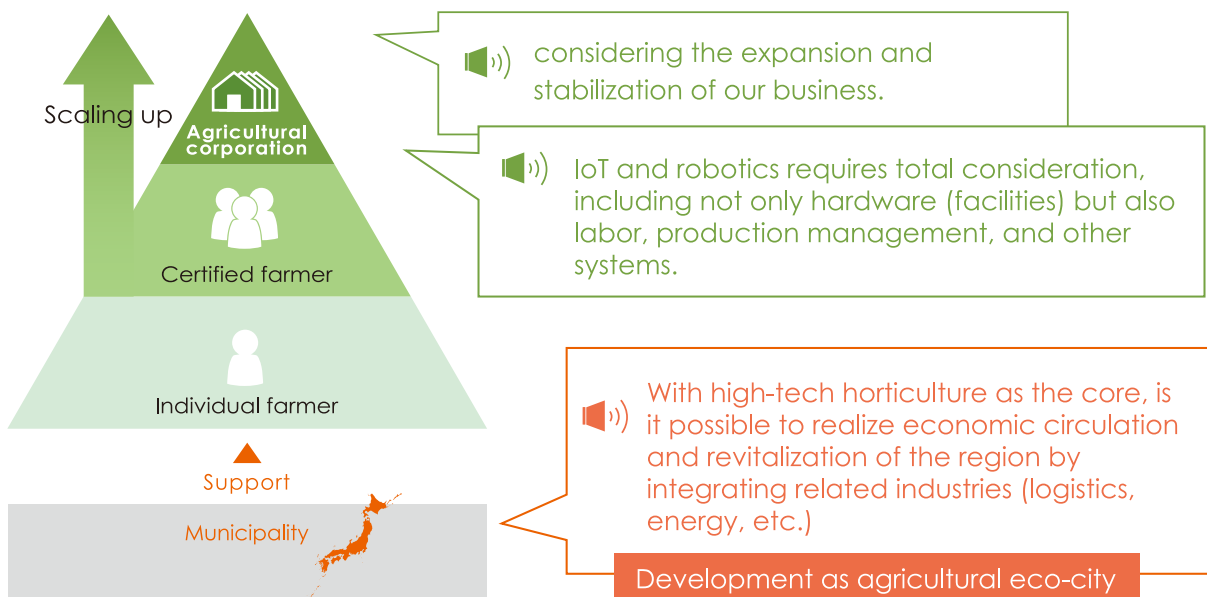
Removal of dependence on fossil fuels through the use of local energy sources

Stabilize operations by utilizing local energy and shifting away from dependence on fossil fuels.

* Created by NTT Agritechology based on MAFF's data (Ministry of Agriculture, Forestry and Fisheries)



The reason why High-tech Greenhouse Horticulture is spotlighted



Total solutions of high-tech greenhouse horticulture for farmers

Advanced environmental control using IoT



Yield forecast and Labor management by utilizing AI



Providing management systems that support smooth and highly productive field operations. (Estimation of supply and demand balance, optimization of food value chain, visualization of facility conditions and operations, support for GAP acquisition, etc.)



Image is for illustration purposes.



Making use of NTT East Group's experience



Visualizaion of greenhouse environment by IoT



Yield forecast by AI



Remote support and onsite maintenance



Utilizing NTT Group's asset

Field development aiming to solve agricultural issues by utilizing cutting-edge ICT technology.



Aiming to solve problems in agriculture, we have developed our own field using IoT/AI and other cutting-edge ICT technologies.

New possibilities and value are created by improving the quality of solutions and accumulating know-how.

A wide range of solution cases starting from solving issues in the agriculture, forestry, and fisheries industries



Kisarazu City

Social Implementation of Regional Smart Cities Beginning with Measures to Prevent Birds and Animals from Damaging Animals and Animals



Kosuge Village

Smart City Initiatives Begin with Safety Measures in Mountainous Areas in the Forestry Industry



Tokyo Metropolitan

Urban Agricultural Model Starting with Remote Farming Support Using Local 5G



Yamanashi City

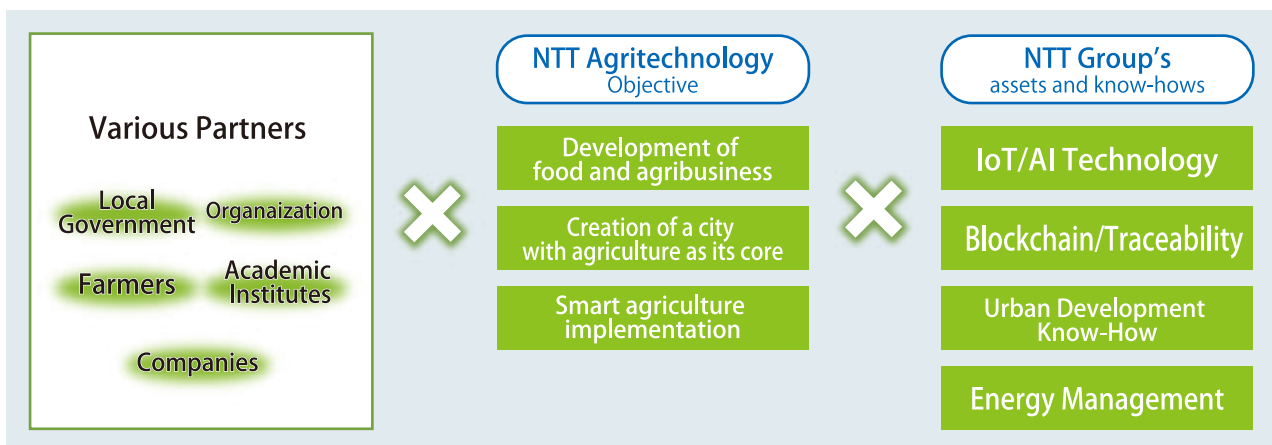
Social Implementation of Regional Smart Cities Starting with Agriculture

We support customers in a wide range of industries, including agriculture, forestry, and fisheries, to help them solve their problems.



<https://www.ntt-agritechnology.com/usecase/>

Forming an "agricultural eco-city" that aims to realize a recycling society by integrating various peripheral industries with "agriculture" as a core component.



Through collaboration with various partners and the utilization of NTT Group's assets, NTT Agritechnology will work with local residents for the development of new "urban development" and "food and agriculture business" based on agriculture and ICT through **"Food and Agriculture Tech"**.

Corporate Profile

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

<https://www.ntt-agritechnology.com/>



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