

June 24, 2019
Earthside Group
Spread Co., Ltd.

**Spread's Partner and a Member of JXTG Group J Leaf
Starts Construction of "Techno Farm Narita,"
One of Japan's Largest Automated Vertical Farms**

Spread Co., Ltd. (HQ: Kyoto, Japan; CEO: Shinji Inada, hereinafter "Spread"), a member of Earthside Group, confirmed that its partner and JXTG Group member J Leaf Corporation (HQ: Chiba, Japan; President: Jun Uehara, hereinafter "J Leaf"), started construction of the automated vertical farm "Techno Farm Narita" on June 24th, using the next generation food production system *Techno Farm*TM, developed by Spread.

The first automated vertical farm to employ *Techno Farm*TM is "Techno Farm Keihanna," located in Kizugawa, Kyoto. It was built by Spread and started shipping in November 2018. While looking at the possibility of expanding its vertical farming business based on the same system, Spread decided to partner with J Leaf, with which it shares common business purposes and values.

Techno Farm Narita, which is able to produce 30000 heads of lettuce per day, is estimated to be one of the largest vertical farms to utilize automation in Japan. The reduction in the number of personnel enables an improved hygienic environment and helps the standardization of labor processes. In addition, the farm has increased the number of growing racks to 28, thereby achieving higher yields per square meter compared to Spread's existing models*. By incorporating high level environmental control technologies, LED lighting designed specifically for vertical farming and cultivation data management via IoT technology, Techno Farm Narita aims to realize efficient and stable production.

To achieve a sustainable model for agriculture, Spread will continue to pursue further technological innovation by deepening its cooperation and collaboration in various fields.

*Comparison with Spread's existing vertical farms (Kameoka Plant, Techno Farm Keihanna)

News Release



Conceptual image of Techno Farm Narita



Shinto groundbreaking ceremony

◆Specification of Techno Farm Narita

Name	Techno Farm Narita
Location	2700-72, Koike, Shibayama-machi Sanbu-gun, Chiba, Japan
Facility type	Indoor vertical farm using artificial lighting
Site area	Approximately 8,000 m ²
Building structure	Steel construction, 2 floors
Products	Leaf lettuce
Production capability	30,000 heads (3 tons) of lettuce/day
Groundbreaking	June 24, 2019
Building completion	December, 2020 (planned)

◆J Leaf Corporation

President	: Jun Uehara
Established	: July 2018
Capital	: 80 million yen
Location	: 2700-72, Koike, Shibayama-machi Sanbu-gun, Chiba, Japan (site of JX ANCI Narita Plant)
Business Activities	: Production and sale of indoor vertically farmed products

News Release

◆Spread Co., Ltd.

CEO : Shinji Inada
Established : January 2006
Capital : 87.4 million yen
Location : Kyoto Research Park#8, 90 Chudojiawata-cho,
Shimogyo-ku, Kyoto, Japan
Business Activities : Vertical farming operation, management and sales of the
products

◆Techno Farm™

Techno Farm™

Techno Farm™ is a next generation food production system created by Spread based on over 10 years of operating experience and technological innovation in vertical farming. Joint development with Japanese technology companies for innovations such as automated cultivation, environmental control technologies, specialized LED lighting and IoT will reduce environmental burden and operational costs.

URL : www.technofarm.com/en

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