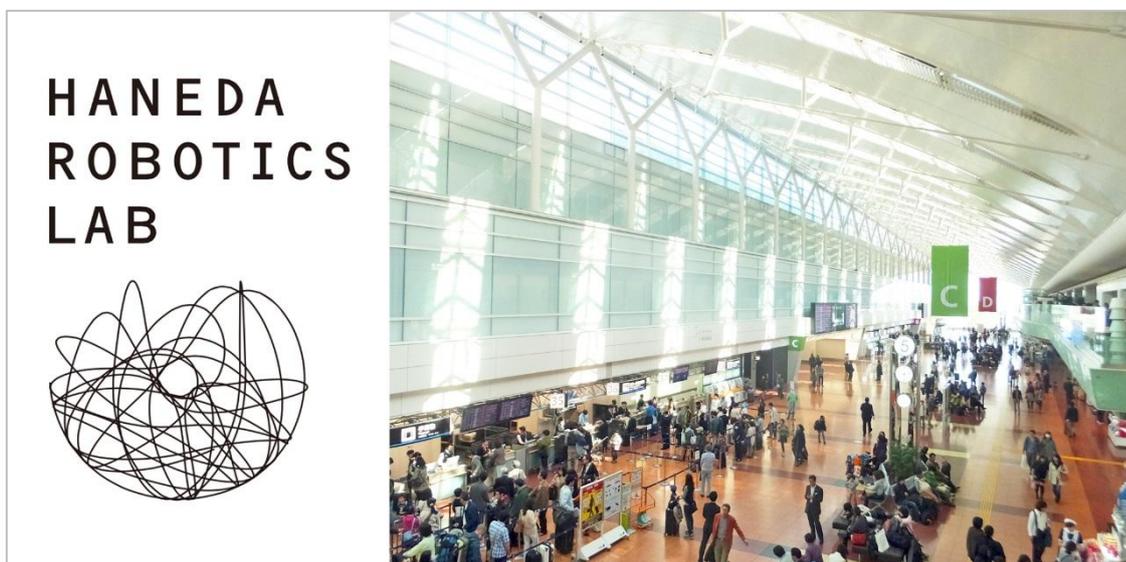


The First-Ever Public Robotics Tests in a Japanese Airport Results Announced of the 17 Companies to Take Part in the First Phase of Haneda Robotics Lab



The Haneda Robotics Lab is a major project launched by Japan Airport Terminal Co., Ltd., which manages and operates Tokyo International Airport (Haneda Airport) (address: Haneda Airport 3-3-2, Ota-ku, Tokyo; Representative: President & COO, Nobuaki Yokota). The project aims to develop new robotics technology through experimental tests in a public environment. The Haneda Airport Robot Experiment Project 2016 will introduce robot technologies (including prototypes) for use in the airport on an experimental basis. Haneda Robotics Lab called publically for applications for robot technology in September 2016. Now we are pleased to announce that 17 successful applicants have been selected for the first phase of the project, as follows.

- This project is run in cooperation with the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of Economy, Trade and Industry as part of the government's Reform 2020 Project, and utilizes the Ministry of Economy, Trade and Industry's "Demonstration Project for the Introduction of Robots."

Cleaning Robots (four companies)

F. Roboclean	Figla Co., Ltd.
Robo Cleaper	Nakanishi Metal Works Co., Ltd.
SE-500iX II	Amano Corporation
Windowmate	NGP-FOTEC Co., Ltd.

Transportation Robots (five companies)

CarriRo	ZMP Inc.
Inmotion R1EX	A.M.Y. Creatie Co., Ltd.
Tug	Takumi Co. Ltd.
Uni-Cub β	Honda Motor Co., Ltd.
Whill Next	Whill, Inc.

Information Robots (eight companies)

Airport Concierge CAIBA
Double2
EMIEW3
Minarai
Pepper
SQ-1H
Reborg-X
RoBoHoN

Indy Associates Co., Ltd.
Brule, Inc.
Hitachi, Ltd.
Nextremer Co., Ltd.
SoftBank Robotics Corp.
SEQSENSE Co., Ltd.
Sohgo Security Services Co., Ltd.
Sharp Corporation

■ Outline of the Project

- Projected period: Thursday, December 15, 2016 to Monday, February 13, 2017
- By category:
 - Cleaning robots: Thursday, December 15, to Thursday, December 22, 2016
 - Transportation robots: Tuesday, January 10 to Monday, January 23, 2017
 - Information robots: Tuesday, January 24 to Monday, February 13, 2017
 - The tests will generally run from 10:00 am to 4:30 pm daily.
- Location of tests: Departure Lobby (South Wing), Domestic Terminal 2, Tokyo International Airport Haneda



- Exhibition booth (artist's impression):



■ Details of tests:

Three phases are envisioned, in which the robots will be put to use in public spaces of the airport, a public area in which large numbers of users are constantly coming and going. These tests will ascertain: 1. The safety of the robot (product) itself; 2. The safety of the technology's deployment use in a public space; and 3. The effectiveness of the robot.

■ Background and Aims of the Project:

In the run-up to 2020, Haneda is working across the board to improve the quality of its service and customer satisfaction levels. With the working population in Japan expected to decrease in the years to come, we believe that the effective use of robot technology will be an essential part of solving a wide variety of work challenges. We have steadily worked to encourage the introduction and testing of numerous robot technologies in the airport.

For robot technology to be implemented across society, it is important that companies and research facilities have plenty of opportunities to test and refine their technology in real-life environments close to the community. By allowing developers to address technical and regulatory issues arising from the use of new technology and encouraging them to share their knowledge widely, we believe that this project based in Haneda Airport, used by more than 75 million people a year, will contribute to the dissemination of robot technology throughout Japanese society.

Another aim is that using Haneda Airport as the stage for cutting-edge robot technology will encourage the airport's many users to become more familiar with robots and that it will help to promote the latest Japanese technology around the world.

■ **Special Project Websites**

For information on the project and details of the public invitation for applications, please see the special project websites below.

These sites will also be used to provide regular updates of images and information throughout the period of the project.

- Project website:
<https://www.tokyo-airport-bldg.co.jp/hanedaroboticslab/en.html>
- Official Facebook site:
<http://www.facebook.com/hanedaroboticslab/>

■ **For More Information**

- For inquiries about the Robotics Lab and robot technology:
Haneda Robotics Lab (Japan Airport Terminal Co., Ltd.)
Mail: haneda_robolab@jat-co.com