

## TTDC Carries Out Food Loss Reduction Trial in Company Cafeteria Using its First Self-Developed iPhone App

Toyota Technical Development Corporation (TTDC, Head Office: Toyota, Aichi, President: Yoshiyuki Kagawa) has carried out a food loss reduction trial using its first ever self-developed iPhone app.

Throughout the COVID-19 pandemic, TTDC has been a strong promoter of the concept of hybrid work in which employees combine working from home with time spent in the office. As a result, the number of people using the company cafeteria has fluctuated widely, causing a large number of instances in which either too much or too little food was prepared. With food loss occurring in our own cafeteria, we planned and trialed an initiative to help address this situation. The aim of the trial, which was carried out with the cooperation of our company cafeteria operator, Aim Services Co., Ltd. (Head Office: Minato-ku, Tokyo, President and CEO: Makoto Kodani), was to reduce the food loss of the cafeteria (9.2 kg of unsold waste food per day) by half. After the month-long trial period, it was calculated that the initiative achieved an actual reduction of approximately 42%.

Features of the food loss reduction trial:

- The trial featured our first ever self-developed iPhone app, which we created based on our extensive experience with Windows apps and cloud-based technologies.
- Employees installed this app on their company-provided work iPhones, and used it to complete a questionnaire about their preferred menu items before eating in the cafeteria.
- Aim Services then determined how much food needed to be prepared based on the questionnaire results.

Although the trial results fell slightly below our initial target, we demonstrated how our technologies can help to build a sustainable society by addressing social issues. In the future, we hope to continue broadening the application of similar initiatives and make a valuable contribution to the local community.



Promotional in-house poster for the food loss trial



Top screen of the app



Menu item selection screen in the app



SDG-related goals:



### Overview of Toyota Technical Development Corporation (TTDC)

Established: April 2006

Location: 1-9 Imae, Hanamoto-cho, Toyota, Aichi, 470-0334, Japan

Representative: Yoshiyuki Kagawa, President

Details of business: **IP Business Field**

Searches, technical trend analysis, global filing and rights acquisition (patents, designs, and trademarks), translation, and interpretation.

#### ***Keisoku Business Field***

Development and manufacturing of measurement instrumentation and equipment, proposals for the planning and design of equipment and facilities, presentation and offering of model-based development solutions, calibration, inspection, and repair of measuring instruments, and support for the development of next-generation businesses.

Capital ratio: 100% investment by Toyota Motor Corporation

URL: <https://www.toyota-td.jp/en/>

