

**Construction of New Building to Strengthen Development Capabilities at Kawasaki Head Office:**  
Base to Create New Value by Combining Internal and External Knowledge

Fujitsu General will build the Technology Research Building (tentative name) on the grounds of our Kawasaki Head Office to strengthen our efforts to create new value by promoting synergy and open innovation between departments and combining internal and external knowledge. We started construction in April 2018 and expect to start operations from June 2019 with the investment of approximately 5.4 billion yen.

We have expanded our Kawasaki Head Office and our development bases in China and Thailand one after another since 2007 to strengthen our air conditioner development capabilities. We are currently working on various measures to both reform our development structure and strengthen our sales activities for air conditioners toward achieving our mid-term management plan. As a part of it, we will construct the Technology Research Building and accelerate efforts to strengthen our core technologies and to create new value.

The Technology Research Building will have a layout to create active communication. For example, we will install a mid-level atrium on the fourth and fifth floors in the office area so that our engineers can mix freely and exchange new ideas. We will also set up communication corners in the office space so that relevant departments can come together and discuss development challenges quickly. In addition, we will establish training spaces which enable discussions on new technological trends and succession of technologies. By making these open spaces without partitions, free participation by interested engineers will be encouraged and innovation will be promoted by inducing synergy between departments.

Moreover, we will set up a dedicated space to research and investigate the functions of commercial air conditioning systems combined with other products such as chillers and air handling units by making our air conditioner main unit and we will set up workshops for shared use with external companies. This will also strengthen the promotion of open innovation through collaboration with external technologies and knowledge.

Furthermore, we also plan to install equipment that can reproduce the usage environments of air conditioners, such as installation environments throughout the world and an actual multi-storied house, to accelerate innovation of development process and commercialization of new technologies.

We are aiming to enhance our engineers' creation power, technological skill and knowledge, while strengthening our efforts to create new value by promoting open innovation.



**Expected Image of the Completed Technology Research Building (Front)**

**Contact details**

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## Overview of the Building

- Construction plan: Construction will start in April 2018 and finish in June 2019.
- Construction area: Approx. 4,800 m<sup>2</sup>
- Total floor area: Approx. 21,000 m<sup>2</sup>
- Construction size: Five-storied building  
1F to 3F: Various test rooms, training rooms and work spaces, etc.  
4F to 5F: Offices, work spaces and training spaces, etc.  
Easy access from the Air Conditioning Technology Building via a passage on the 4F.
- Maximum office capacity: Approx. 1,300 people
- Construction cost: Approx. 5.4 billion yen

## Main Facilities (Planned) to Create New Value through Departmental Cooperation, Combination of Knowledge and Open Innovation Promotion

### 1. Facilities to Promote New Innovation through Cooperation between Departments and Combination of Knowledge

- (1) Innovation Step Garden (Tentative Name)  
A meeting space that takes advantage of the mid-level story where it is easy to gather from the stories above and below
- (2) Satellite Innovation Gardens (Tentative Name)  
Meeting corners for small groups dotted around in the office space
- (3) Innovation Terrace (Tentative Name)  
A space that can handle meetings with small or large groups in a spacious and relaxed area dotted with plants
- (4) Innovation Campus (Tentative Name)  
A training space to hold discussions based on new technological trends and to pass on technologies

### 2. Facilities to Promote Open Innovation

- (1) A space for Research and Investigation of Commercial Air Conditioning System  
A dedicated space for engineers to research and investigate functions while experiencing commercial systems connected and linked to our air conditioners combined with chillers, air handling units and air to water units, etc.
- (2) Workshops, Investigation Rooms and Training Rooms for Shared Use with External Companies and In-house Designers  
A space for collaboration with external technology and knowledge

### 3. Equipment to Improve the capabilities to develop core technology

- (1) Multipurpose Environment Testing Room  
Environments that air conditioners are installed around the world from extreme cold to high temperatures will be reproduced. (This will be utilized to strengthen verification of reliability improvement in the design verification stage.)
- (2) Testing room for multi-storied home environment  
A whole multi-storied home will be installed in a test room. (This will be utilized for demonstration experiments to create a new air conditioning space.)