

# YASHIRO LAB.

## [Technologies for smart building operation]

Department of Human and Social Systems

<http://yashirolab.iis.u-tokyo.ac.jp/>  
Management of Project

- ✧Engineering/Architecture
- ✧Interdisciplinary Information Studies

### What is "Smart"?

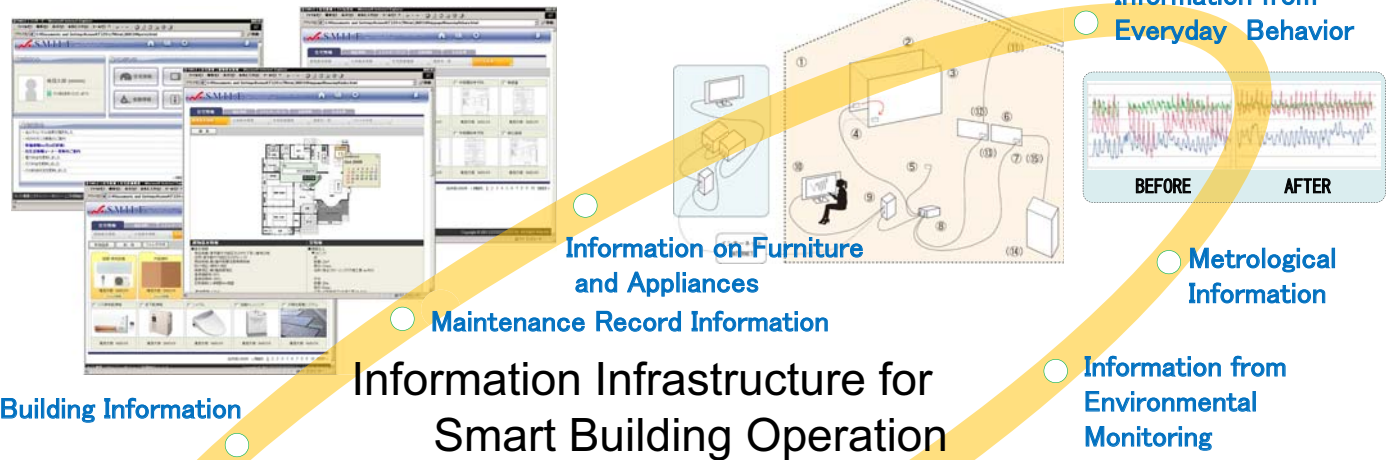
We will introduce technologies that aims for "smarter" utilization of existing buildings, given the rapidly shifting environmental constraints in global scale and its effect onto our social and economical structure. In particular, through sharing informational infrastructure among building users and related stakeholders, we will aim to reduce unreasonableness and wastefulness from the current building operations, while further building and utilizing knowledge for better operation of buildings.

#### "le-Karte" development of the home information record system

Through developing a method for appropriate management of home information (building information such as plans and photos, as well as maintenance record), we aim toward the "house that you lived with care" to maintain its value over time.

#### Assisting the learning processes of everyday living environment

Through information feedback and structuring, we give assistance to the learning processes of inhabitants on their everyday, living environment.



#### Development of Energy Management System

The long-term measurement and accumulation of building and facility conditions for their visualization, prediction and management.

