

June 18, 2018

Yasui Architects & Engineers, Inc.

transcosmos inc.

APPLIED TECHNOLOGY CO., LTD.

## **Launch ICT-based facility management one-stop service for building owners and building management companies**

**Yasui Architects & Engineers, transcosmos, and Applied Technology collaborate to deliver the service**

Yasui Architects & Engineers, Inc. (Headquarters: Osaka, President: Yoshihiko Sano; Yasui Architects & Engineers), transcosmos inc. (Headquarters: Tokyo, Japan; President and COO: Masataka Okuda; transcosmos) and APPLIED TECHNOLOGY CO., LTD. (Headquarters: Osaka, Japan; President and Representative Director: Toshiro Funahashi; Applied Technology) are delighted to announce that the three companies jointly launch an ICT-based facility management one-stop service for building owners and building operating companies today, June 18, 2018.

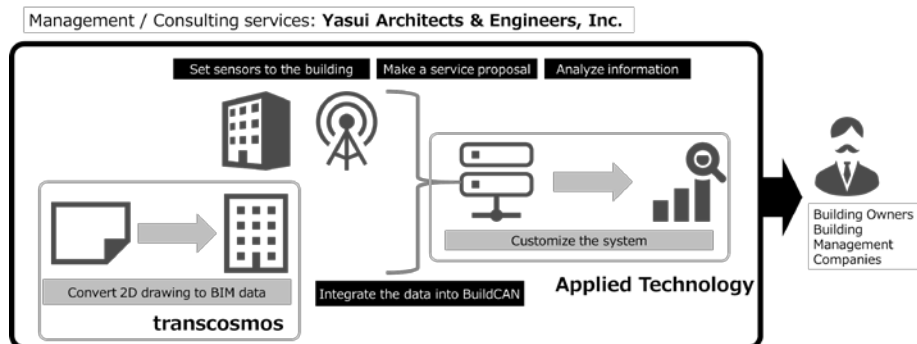
In the spring of 2018, Yasui Architects & Engineers developed a “BuildCAN”, the first building management system in Japan that links IoT<sup>1</sup> environment sensors with 3-D building model, based on its proven record in offering facility management services for medical facilities and offices. Based on an existing building management system that Yasui Architects & Engineers co-developed with a university, “BuildCAN” now has an environmental management feature that creates comfortable space whilst reducing energy consumption. The system manages not only cleaning, repair, renovation, and maintenance and inspection history, but also monitors and analyzes the level of illumination, humidity, and CO<sub>2</sub> via IoT environment sensors, as well as managing information on finishing materials, equipment, drawing, emergency contact network, and more. By linking this information with a virtual building model organically on a cloud platform, the system tracks the building’s current condition and the changes over the years.

Although the requirements for facility management are diverse in general and each client has their specific needs, “BuildCAN” precisely satisfies each individual client’s needs. Yasui Architects & Engineers summarizes each client’s requirements and manages the overall project, and Applied Technology offers system customization services in order to meet the client’s needs in more detail, whilst transcosmos converts the initial facility model from 2D to 3D and maintains/updates the data. What’s more, Yasui Architects & Engineers offers consulting services for future facility investments based on the data analysis. By forming a partnership, the three companies jointly deliver a facility management service that meets various clients’ needs in mid-to-long-term all in one stop.

“BuildCAN” can support clients’ existing facilities flexibly as it can use 3D and 2D data as basic data. Not to mention BIM (Building Information Modeling: a 3D building model) and PIM (Panorama Information Modeling: a simple model which uses panorama photos<sup>2</sup>), “BuildCAN” can also convert general 2D data (CAD) and paper-based drawings into data as well as building a model in order to use the data and the model as a base data set. Going forward, the three companies plan to offer on-premise services in addition to the cloud-based service.

The three companies aim to develop “Building Digital Twin Services” in order to forecast the future of the buildings in the virtual world by combining AI analysis systems such as LCC<sup>\*3</sup> data with this service, the first step towards achieving their aim. The companies continue to satisfy clients’ diverse needs as alliance partners with consulting expertise in order to optimize construction investments and more.

**【Service flow (for illustration purposes only)】**



The companies will hold an online seminar which introduces the details of the service. Please visit the website and join the seminar.

**【Online Seminar】**

Date & Time: 17:00 pm Wednesday, June 27

Title: An In-Depth Guide to the Industry’s First ICT-based Facility Management One-Stop Service  
From Know-How to Doing ICT-based next-gen facility management methods

Visit here: <https://tobim.net/event/webinar/index20180627.html>

\*1: IoT: Internet of Things.

\*2: “Panorama memo”: Facility (site) information sharing system that uses 360° panorama photos. Developed and sold by Yasui Facilities, Inc. (<http://www.yasui-f.com/panomemo/>)

\*3: LCC: Life Cycle Cost. All costs associated with the life of a building that include planning, designing, construction, demolition and disposal. Running and maintenance costs such as utilities cost, repair and renovation costs have greater weight in total costs.

◆ **About Yasui Architects & Engineers, Inc.**

Established in 1924, Yasui Architects & Engineers delivers diverse services that adequately satisfy the needs of customers and society through architectural design and process steadily based on over 90 years of its history. Its representative accomplishments in designing include the “Osaka International Airport Terminal” and the “Suntory Hall”, whilst “Suita City Football Stadium” showcases its expertise in the construction management. Yasui Architects & Engineers focuses on “front-loading” principle, which is to develop selective designs from the early phase of planning process, and promotes ICT-based “client-driven” BIM in order to respond to diversifying environmental issues and changing design requirements flexibly whilst reaching consensus with all parties involved in the project, and delivering high quality buildings. Yasui Architects & Engineers aims at creating new values and services not by using a simple computational design, but by leveraging BIM that innovates the construction process.

◆ About transcosmos inc.

transcosmos launched its operations in 1966. Since then, we have combined superior “people” with up-to-date “technology” to enhance the competitive strength of our clients by providing them with superior and valuable services. transcosmos currently offers services that support clients’ business processes focusing on both sales expansion and cost reduction through our 172 locations across 33 countries with a focus on Asia, while continuously pursuing Operational Excellence. Furthermore, following the expansion of e-commerce market on the global scale, transcosmos provides a comprehensive One-Stop Global E-Commerce Services to deliver our clients’ excellent products and services to consumers in 49 countries around the globe. transcosmos aims to be the “Global Digital Transformation Partner” of our clients, supporting the clients’ transformation by leveraging digital technology, responding to the ever-changing business environment.

◆ About APPLIED TECHNOLOGY CO., LTD.

Since its foundation in 1984, Applied Technology has been operating two fundamental businesses, namely solution services which support manufacturing business and utilize BIM and GIS, and engineering services for disaster prevention and environmental sectors. With the aim of becoming a company which contributes to their clients by solving challenges they face in their fields, the company always stays focused on offering cutting-edge technology, products, and services, and keeps growing whilst improving its technical skills. As a subsidiary of transcosmos, Applied Technology drives “Digital Transformation” by leveraging its digital technology.

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