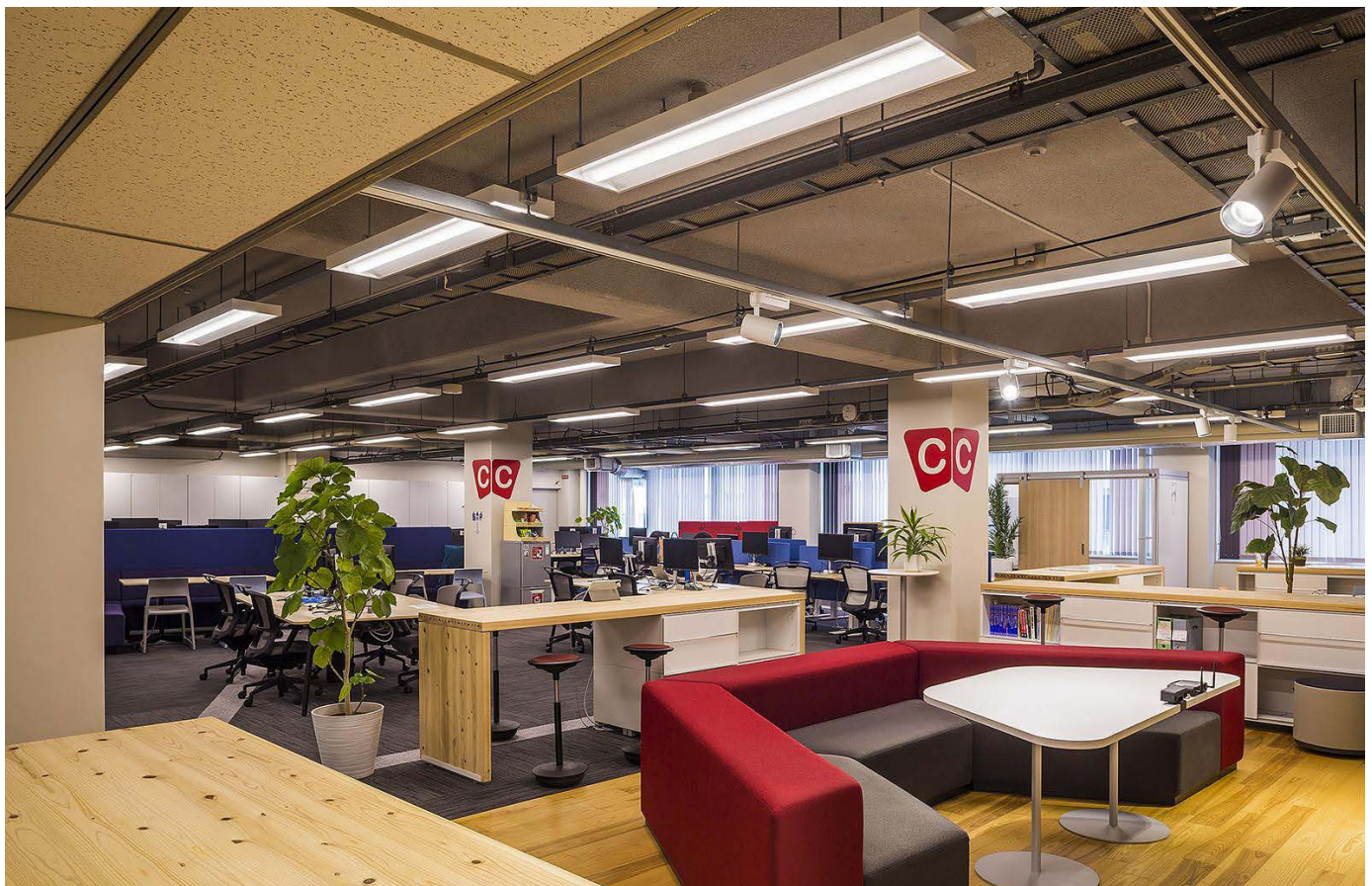


## WELL certified healthy office cares for employee health and improve their working environment.

Osaka, Japan



The electronics manufacturer office in Japan, first to be pre-certified with “WELL v2 certification”.

Panasonic is the first domestic electronics manufacturer in the Kansai region<sup>\*1</sup> to obtain a preliminary approval for the WELL v2 certification.

The WELL certification is a space evaluation system that aims to create better living environments by taking into consideration the people’s mental and physical wellbeing in the design, construction and operation of a space. It was developed by Delos headquartered in the United States and was launched in 2014 by IWBI (International WELL Building Institute). In 2018, an second version, WELL v2 with updated evaluation points and standards was released. In addition to Innovation, the 10 concepts evaluated in WELL v2 are: Air, Water, Nourishment, Light, Movement, Thermal Comfort, Sound, Materials, Mind, and Community<sup>\*2</sup>.

<sup>\*1</sup>: First electronics manufacturer in Japan and in Kansai region to obtain a preliminary approval for the WELL v2 certification. (based on research as of September 7, 2020)

<sup>\*2</sup>: Initially, the 7 evaluation points were: Air, Water, Nourishment, Light, Fitness, Comfort, and Mind. For the WELL v2, the concepts of Sound, Materials, and Community are also evaluated in addition to Innovation.



THE **WELL**  
BUILDING STANDARD®

**Launched in the United States in November, 2014.  
100 projects around the world (April, 2020)**

The WELL certification is a space evaluation system developed by Delos United States that aims to create better living environments by taking into consideration the people's mental and physical wellbeing in the design, construction and operation of a space.

AIR

LIGHT

SOUND

COMMUNITY

WATER

MOVEMENT

MATERIAL

INNOVATION

NOURISHMENT

THERMAL COMFORT

MIND

## Employees can choose an environment suited to their work.

The "WELL v2" preliminary certification was obtained by the Panasonic Life Solutions Company Solution Development Division System Solutions Development Center located in Kadoma, Osaka. This office was renovated in 2018 as a place to demonstrate the technologies and solutions developed at the Technical Headquarters. Having in mind a WELL idea that not all people who work in the same environment necessarily feel equally comfortable, environmental zoning based on Air, Light, and Sound was established. This enabled the employees to choose a work environment such as the "Focus Zone", "Natural Zone, and "Relax Zone", based on their nature of work and personal preferences.

For each working zone, Panasonic products and technologies including ERV (energy recovery ventilator), outside air processing air conditioners, light dimming and toning equipment were applied to support the five concepts of Air, Thermal Comfort, Light, Mind, and Sound. Also, to address the added WELL evaluation point of Innovation, a space sterilization deodorizer was proposed as a sterilization solution. Acquiring certification on the 5 concepts resulted to receiving the WELL v2 preliminary certification.

The office was able to go from a traditional standard office layout to a zoning office based on the concepts of WELL that has the ability to respond to changes in society and work styles. As a result of conducting a questionnaire to our employees, over 80% of employees responded that they achieved above average satisfaction towards their working environment.



High-illumination, white-colored lighting zone

Circadian lighting zone

Low-illumination, warm-colored lighting zone

Relax Zone

Super Concentration Room

## Main initiatives applying Panasonic products and technologies

### Air

- Panasonic's "ERV system" and outdoor air processing air conditioners were introduced in closed spaces and open spaces, respectively. Making use of the advantages of both equipment resulted to a better ventilation by introducing more fresh air from the outside.
- By constantly monitoring the temperature, humidity, CO<sub>2</sub> concentration, PM2.5 and VOC with the "air quality monitor (prototype)", the environmental information in each zone of the office can be constantly visualized.

### Thermal comfort

- The free address system and the visualization of temperature and humidity in approximately 30 locations using temperature and humidity monitor (prototype) allow employees to work in their preferred environment.
- Temperature / humidity simulation can confirm compatibility with the feeling of warmth and coldness that people feel comfortable with.

### Light

- The combination of free address system and Panasonic's Dimming toning lighting based on the office zone and time of day, employees can choose their preferred working environments.
- In the "super concentration room", spot lighting is illuminated on the desktop to establish a difference in brightness from the surroundings, and ensures both desk illuminance and glare suppression.

### Mind

- By using many natural materials and controlling sofa built-in speakers, desktop color lighting and images, the "micro-break space" rest area where employees can get refreshed was introduced.
- By projecting natural images onto the floor surface with Panasonic's "spotlight-type projector", it can soothe the mind of someone walking through.

### Sound

- In the "natural zone", the indirect sounds like air conditioner is constantly played by the "sounds masking speakers (prototype)" to protect the privacy of meetings in the open space.

### Innovation

- A "sterilization solution" of properly placing Panasonic's "space sterilization deodorizers", which generate hypochlorous acid, in places where many people gather together within the office.
- Zones where you can work with a scent that suits your personal preference were achieved using the "aroma diffuser (prototype)"

### Reference

After the large-scale renovation carried out in March 2018 with the aim of realizing and demonstrating a healthy and comfortable office at the Technical Headquarters Innovation Center, which is the R&D Department of Life Solutions Company, the office has continuously evolved. In 2018, the office was awarded the "Encouragement Award" at the 13th Japan Facility Management Awards. In 2019, it received the "Kinki Block New Office Promotion Award" at the "43rd Nikkei New Office Awards". This time, it has received high praise from the outside by obtaining the "WELL certification".

#### Overview of the Innovation Center

Location: Panasonic Corporation  
Life Solutions Company  
Kadoma premises: E44 Building 3rd floor  
Address: 1048 Kadoma-shi, Osaka  
Area: 1,100m<sup>2</sup>  
Office seats: 131 seats



The preliminary certification of the "WELL v2 certification"

## Installed Products

