

Creating Taiwan's intelligent living spaces



Themes

Infrastructure facilities

Buildings with intelligent and universal functions should be equipped with hardware and software information, telecom facilities, service integration, and management and operation platforms.

Safety surveillance

Buildings with automation systems can protect against natural disasters and prevent harm but notifying users in advance and allowing sufficient time for evacuation.

Sustainable energy-conservation

This building uses highly efficient, energy-saving air-conditioning, lighting, and power equipment that has an integrated, advanced energy-surveillance system. This system monitors energy usage and prevents extra expenditures, and maintains a cozy living environment.

Health care

The intelligent and health care system measures users' physiological indexes and integrates the professional services at neighboring medical institutes, since it is linked to a broadband network. This system thus resembles real-time health care and assistance.

Convenience and comfort

The building uses intelligent technology and equipment that provide highly efficient information and telecom capabilities and services to create a convenient and comfortable lifestyle.



LIVING 4.0

AI for Living

Intelligent Living Space 智慧化居住空間展示中心

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Ministry of the Interior

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Advertisement of Architecture and Building Research
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My Intelligent Living My Smart Life

Intelligent Living Space Smart Choice
LIVING 4.0

Intelligent living exhibition center: meet your dream of your future lifestyle.



智慧化居住空間展示中心 Intelligent Living Space

Intelligent living exhibition center



Origin

The rapidly developing information and communication technology (ICT) industry has not only enhanced equipment quality and application innovations but also improved the quality of our lives in terms of comfort and efficiency. Intelligent technology and user-friendly, integrated applications define new values for living and work spaces and idealize these spaces in the future, which combine aspects of technology and life. These values can spur the development of innovative products that integrate space and technology, which can then demonstrate creative user-space interactions and a brand new technologically advanced living experience.



Objectives

1. Allow others to experience the standard we've set for intelligent living spaces.
2. Demonstrate Taiwan's technological advancements and capabilities and open up new opportunities in a niche-based intelligent living industry.
3. Facilitate living spaces' enhancements in Taiwan so that these spaces are safer, more secure and convenient, sustainable, and packaged with healthcare benefits.
4. Define and display the objectives of niche advantage, competitive edge, universal design, and universal price regarding Taiwan's intelligent living industry.



Vision and prospect

1. Publicize and facilitate the development of intelligent living spaces and services, and create safe, comfortable, healthy, convenient living and working environments.
2. Improve the basic infrastructure and industry value, establish additional living services for future digitized homes, and expand the value of the ICT industry and traditional construction industry.
3. Establish Taiwan as the primary exporting country of intelligent living spaces in terms of architectural design, function evaluation, systematic integration and planning, and environmental sensor equipment and construction materials.

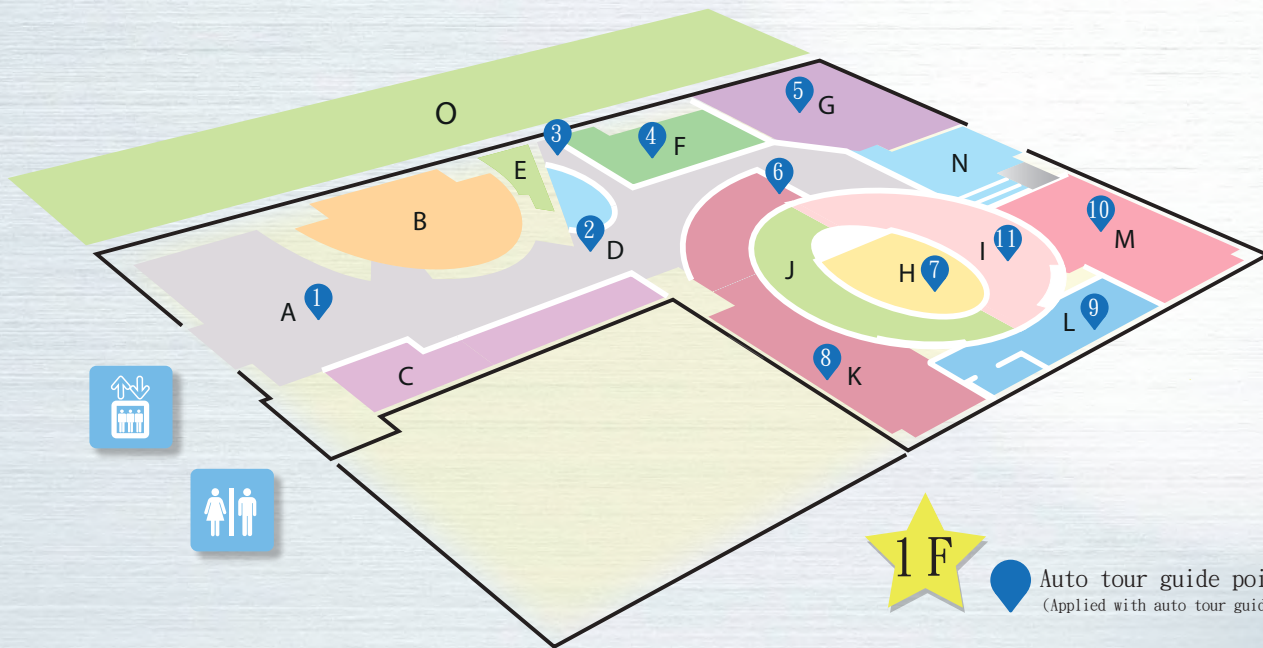
The most convenient and comfortable lifestyle... Living 4.0—I love everyday of my life

Intelligent Home Space 智慧化住宅空間展示中心

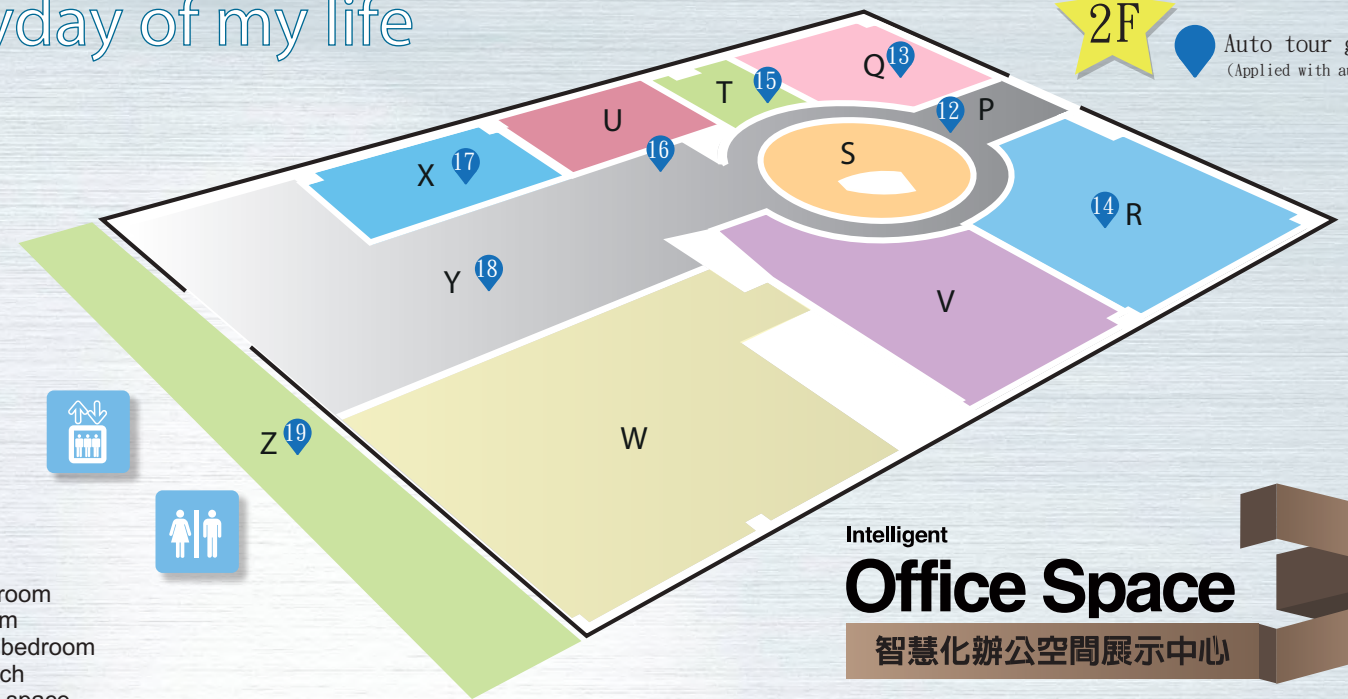
Creating a convenient, healthy, and comfortable living experience...

The intelligent home space is designed for a family of three generations, namely, the grandparents, parents, and children, and includes a living room, dining room, kitchen, bathroom, and more. For easy circulation, every space has two entrance-exits, and for convenient, healthy, and comfortable living, the equipment and facilities are user-friendly and intelligently wired.

- | | | |
|-------------------|-------------------------|------------------|
| A Reception hall | F Dining room & kitchen | K Elder's room |
| B Multimedia room | G Living room | L Bathroom |
| C Service counter | H Family theater | M Master bedroom |
| D Entrance porch | I Children's room | N Exit porch |
| E Garden | J Study room | O Outdoor space |



1F Auto tour guide points
(Applied with auto tour guide APP)



2F Auto tour guide points
(Applied with auto tour guide APP)

Intelligent Office Space 智慧化辦公空間展示中心

Creating an efficient, safe, and sustainable working experience...

The intelligent office space is designed for an office of 25 to 50 people. It integrates user-friendly designs with an intelligent wiring system, which allows for effective management via the control room. This, in turn, creates a safe, convenient, and sustainable office space.

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|------------------|------------------------|
| P Entrance lobby | T Library |
| Q Main office | U Central control room |
| R Office space | V Conference room |
| S Leisure area | W Exhibition area |

Smart Unit 智慧住宅單元展示區

Smart home exhibition area

'Smart Unit' is a space applied with intelligent devices that designed for satisfy public's need. The purpose of the space is to expand domestic demand and stimulate consumption of the Smart home industry by applying the affordable and popularized devices for general public.

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|----------------------------------------------|
| X Staff offices |
| Y VIP lounges |
| Z Green building material demonstrating area |



- ### B Infrastructure
- B01 Integrated wiring system
 - B02 Healthy green building materials
 - B03 Barrier-free space planning and design
 - B04 WSN wireless sensing network system
 - B05 Glass compartmentalizing technology
 - B06 Fire doors
 - B07 Plastic-steel doors
 - B08 Emergency broadcasting system
 - B09 Internal wiring box
- ### S Safety surveillance
- S01 Central control system
 - S02 Access control and security systems
 - S03 Gas detection and trip device
 - S04 IP digital surveillance systems
 - S05 Police disaster communications
 - S06 Monitoring communications interface
- ### E Sustainable energy-conservation
- E01 Solar lighting equipment
 - E02 Intelligent lighting management system
 - E03 Intelligent home energy management system
 - E04 Variable refrigerant flow air-conditioning system
 - E05 LED lighting systems
- ### H Health care
- H01 Intelligent health monitoring systems
 - H02 Bed guidance & lighting system
 - H03 Barrier-free wheelchair lift
- ### C Convenience and comfort
- | | |
|-----------------------------------------------------|-------------------------------------------|
| C01 Personal electronic messaging system | C14 Community information system |
| C02 Intelligent counter | C15 Plant management system |
| C03 RFID intelligent kitchen | C16 IP-PBX and digital switch system |
| C04 Digital coffee table | C17 Automatic curtains |
| C05 High-definition IOD television system | C18 Interactive information wall |
| C06 Intelligent voice and virtual management system | C19 IRS questionnaire system |
| C07 Intelligent context panel control | C20 Video conferencing system |
| C08 Water spa and sauna | C21 Session time-booking system |
| C09 Intelligent toilet | C22 Personal video conferencing interface |
| C10 Intelligent wardrobe | C23 RFID intelligent library |
| C11 Audio-visual control system | C24 Multimedia projector screen |
| C12 FTTH Fiberoptics system | C25 Interactive whiteboard |
| C13 IP digital phone | |