

Liangjiangfeng Estate Located in Changjiahui, Chongqing



Background

Chongqing locates at south-eastern China, which is well-known as the city hidden in the mountain. Changjiang River and jialin River are the two major source of water flowing through the city. Docks were opened up along the riverside in Song dynasty. Since then, ships have been widely used in transportation in all industry. Goods, as well as the local culture of the city, were transported on huge boats and ships from Chongqing to all the cities built along Changjiang River. Due to the water transport, Chongqing has gradually spread its local culture and name out in China and to the world. Nearby the joint of Changjiang River and Jialin River, Liangjiangfeng apartments stood up.

Project Scale

Apartment one: 154 households. Interior area: 350m² — 450m²

Apartment two: 156 households. Interior area: 370m² — 450m²

Back to the present, Changjiahui suburb is sat on the south of Changjiang River along the riverbank, at the center of Nanbin road nearby CBD. The unique geographic position made Changjiahui be regarded as the image of Chongqing in terms of the local culture and geographic particularity. Hong Kong Land was inspired by the unusual landscape of Chongqing and Changjiahui, decided to show its respect and the preference by providing Liangjiangfeng estate with luxurious house foundation installation. A number of well-known brands, such as BRIZO and GAGGENAU, joined in this project to create grand interior decoration for Liangjiangfeng apartments in

Changjiahui.

Nowadays, intelligent home system plays an important role in luxury housing. Smart home requires not only the automation of home appliance, but also the stability of it. At this project, entire 300 households in this estate were offered with the installation of Intelligent housing system. Regarding to the configuration and model selection, Savile Technology Co.Ltd and property developers had plenty communications to determine the most suitable option. KNX intelligent housing system, out of all, was finally decided to be the best solution to all concerns. It enables households to select from broad brands of home appliances. The advantage of using KNX system is that home appliances can be updated or replaced at any time in the future in the will of households. Extensions of Intelligent appliance can also be easily attached to the current network.

Highlights Of The Procedure



ONE HOME, ONE PANEL

In this project, Savile Technology Co.Ltd realized the idea of “All in one” , households are able to adjust the light, curtains, heater, air-condition and primary air system on just one panel.

NON-CONDUCT CONTROL

The sensor is wild-used in this project, which realized non-conduct control on lighting system. Lamps can also adjust their lightness by sense the intensity of illumination in the house.

Alternatives of communication

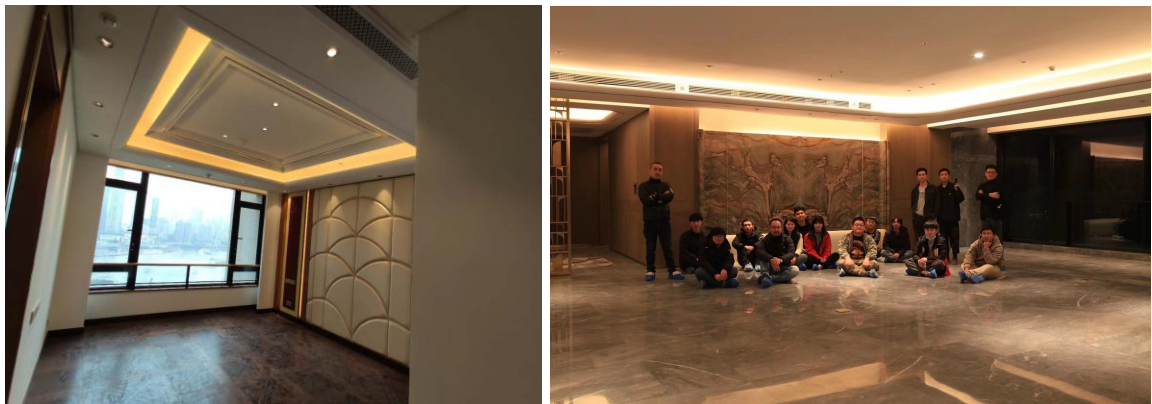
There are various ways for households to make command to control the smart-home systems. Interior lights, temperatures can be adjusted on different devices such as panels, smart phones, ipad and even human voice. Moreover, Smart-home appliances can interact with majority of online applications developed by different companies such

as Tmall, NASDAQ: JD and more. Whatever devices that households would like to add in the future can be easily and successfully attached to the smart-home system, which realizes the idea of “Intelligence of themes”.

Personalization

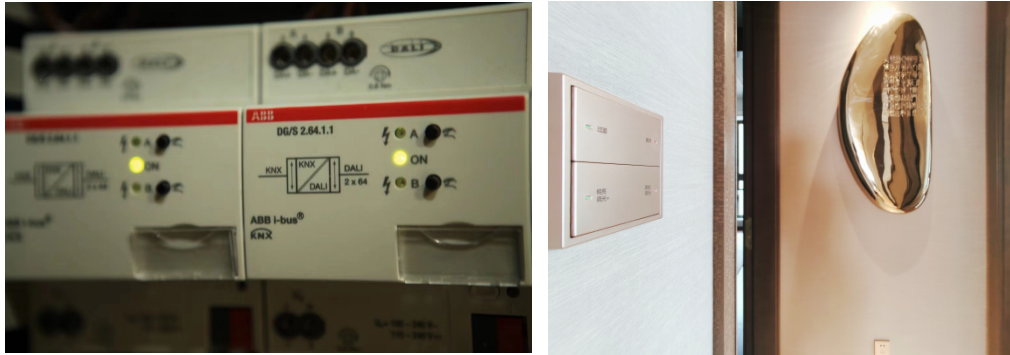
The best feature of KNX online system is the stability and accessibility. However, professional contingent is required for the installation and adjustment, which reveals the difficulties for doing it by households themselves at home. At this project, several modes designed and put in the control system, such as cleaning mode, working mode, party mode, vacation and more. Households can easily switch between these themes by just pressing one single button. Based on these modes, lights or temperature can be adjusted, which enhanced the experience of using KNX for households.

The first huge project used DALI lighting system in Chongqing



At this project, lighting controller and actuator are from i-bus controlling system, ABB Germany. By using the decentralized system, devices can be easily maintained after installation. Devices in different systems are not influenced by damaged ones in terms of use. If one device is multifunctional, the other ones would be still working. During the requirement, only damaged devices need to be replaced, which decreases the complication and cost for repairment.





The panel is from the brand Inspid, which also uses KNX protocol. With only one panel, households can control the air condition, heater and lighting, which is easy and convenient for use. In this way, households would not be confused with countless buttons normally needed, and it also matched with the stylish interior design.

Liangjiangfeng estate became the first housing building that entirely uses Smart home and also the first apartment that a large batch of Smart home are successfully installed in.

In 2021, the construction of second apartment in Liangjiangfeng estate was finished. Inspired by the first apartment, DALI lighting system was used in the second one. From the aspect of households, it not only improved the experience of using Smart home and minimized the cost of maintenance, but also enables them to easily adjust lighting for creating atmosphere in different living scenarios. From the aspect of the building developers, using DALI system minimized the size of intelligent operation box. It reduced the cost of installation and satisfied household's expectation on Smart home.

In apartment one, the cooperation between different standard internet communication protocols with KNX is successfully accomplished, as well as different brand members of KNX such as ABB, Inspid, Kanontec.

Apartment two, based on techniques used in project one, KNX-DALI lighting system joined in. Products are purchased from several KNX membership brand like ABB, Inspid, Easemore, Kanontec and more.

Insider Evaluation

ABB Principal, southern-west China:

“As to Liangjiangfeng estate project, Our partner, Chongqing Savile Technology Co.Ltd has made a great dedication. Savile has been innovation-minded and thoughtful through the whole project. The creation of sleeping mode and wake-up mode on

lighting setting was very intelligent and humanized. The number of sensor used within one household also reached top across China in this industry.

Executive Manager, Siprid Shenzhen:

“Appreciation to developers and integrators for their trust on our products. We will be consistent and diligent in innovating more superior KNX panels to satisfy the market. We have learned a lot from Savile Technology Co.Ltd from this project, their professional techniques and understanding of integration were outstanding among the other integrators in this industry.”

Households Commentl

Mr Tan, Household:

The smart-home has absolutely met my expectation on intelligent housing system.

It is very easy to control the air condition. I can even turn off all lights by just pressing one button. My favorite lighting modes are Vacation mode and Sleeping mode, they are commonly used in my life. For a person like me who has a light sleep, I

Can just switch all lights off by pressing Sleeping mode and it saves me time to get ready for sleep. By the way, my kid is fond with the fact home appliances can be controlled by speech on my TmallGenie.

Ms Yang, Household:

I have been living here for a year. I have deeply felt the convenience that smart-home brought to my life. In the midnight, when I come back home, the house will automatically switch to welcome mode. lights will turn on automatically and it makes me feel the warmness of home. My favorite function is the wake-up mode lighting. When my husband goes to toilet at night, the ray of light is so weak, therefore I would not be awoken by it. Since moved in the apartment, my husband and I have never affected the another one's sleep.”

Mr Wang, Household:

As a young person, I like DIY. This system has exactly matched my needs. theme settings always keeps me excited and I never get tired of using different lighting to create different atmosphere and it is easy to do so. When my grandparents come to visit me, I will only turn one light on, out of all, on my phone to let them feel that I am being very frugal in life.”