

Project references

Overseas





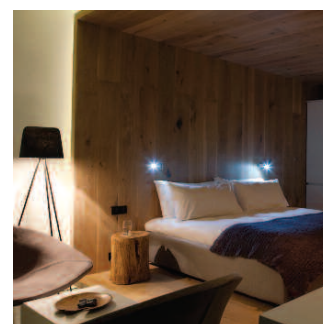
POD Hotel

Luxury and design

Technical data:

- **Work:** POD hotel
- **Location:** Cape Town (South Africa)

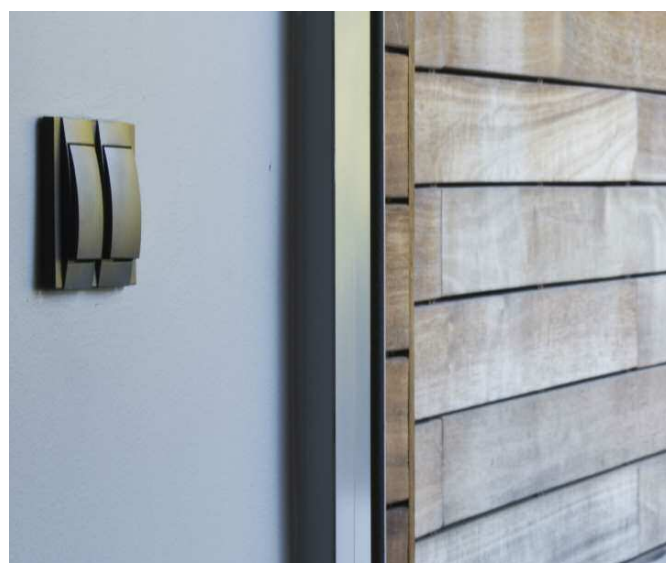
The POD luxury hotel is located near from Cape Town, on the world famous Camps Bay shore. It consists in 15 bedrooms and suites, presenting original and modern architecture. The hotel also provides facilities, such as pool terrace, conference rooms, lounge and cocktail bar.



Products and solutions

Wiring accessories:

- B.1 range





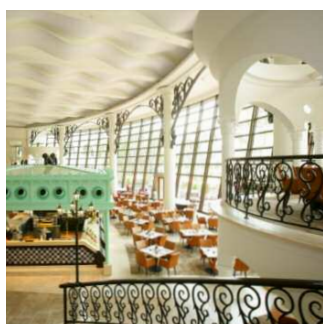
InterContinental Hotel Shenzhen

Technical data:

- **Work:** InterContinental Hotel
- **Location:** Shenzhen (China)

InterContinental Hotel Shenzhen is a six-star hotel managed by the Intercontinental Hotel Group, offering over 600 guest rooms. Located in the Overseas Chinese Town, the hotel is adjacent to Splendid China and Window of the World.

It features dreamy appearance and rich originality, which makes it the first Spanish themed luxury hotel in China.



Products and solutions

Wiring accessories:

- B.3 range in champagne gold finish.





Le Royal Meridien Hotel Shanghai

Technical data:

- **Work:** Le Royal Meridien Hotel
- **Location:** Shanghai (China)

Managed by the famous Starwood Hotels and Resorts Worldwide, Inc., the Le Royal Meridien Hotel offers over 700 guest rooms.

It is on the list of the global hottest hotels 2007 and 2009 by Conde Nast Traveler, as well as the 2009 and 2010 Expedia Insiders' Select.

Products and solutions

Wiring accessories:

- K.1 range in silver gray finish.





ChemSunny Plaza Beijing

Technical data:

- **Work:** ChemSunny Plaza
- **Location:** Beijing (China)

ChemSunny Plaza is located on Changan Avenue, the No. 1 Avenue of China. With a total area of 194,000 square meters, ChemSunny Plaza is the largest and last top-class sole office building on the West Changan Avenue which is available for public rent in large areas. It has won multiple grand prizes before completion. The Plaza consists of three buildings: A, B and C. Two of them are the HQ offices of Sinochem Group.

Series products, such as KNX curtain module, switch module, smart control panel and wireless controller, are applied in the ChemSunny Plaza project.

Products and solutions

Automation products:

- **Function design of the system**
Control area:
all curtains in the curtain walls and the lighting of Sinochem senior administrative areas
Control method:
using centralized control software interfaces, smart panels, wireless controllers, annual timers, and light sensors.
- **Annual timer**
During office hours of each working day, the annual timer is able to open the curtain and lights and create a comfortable office atmosphere on time. Users can also set the annual timer to non-office scenario to save the energy for holidays.
- **Central control room**
Operation on the central control computer: using the interfaces of centralized control software, users are able to lift, lower, or turn the curtains on a centralized level or graded level.
- **Light sensor**
The light sensors can automatically sense the indoor light level and adjust the angle of the shutters and curtains as well as the brightness of the lights to provide sufficient light and save energy.
- **Centralized smart panel**
Control by the smart panel of a control box: for floor 1 to 12, each smart panel is able to control all curtains and lighting in the elevations of two floors at the same time; for floor 13, each smart panel controls one of one floor.
- **Wireless controller**
Users can also use the wireless controllers in many areas to control the curtains and lights.





Sandalwood Estate Shanghai

Technical data:

- **Work:** Sandalwood Estate
- **Location:** Shanghai (China)

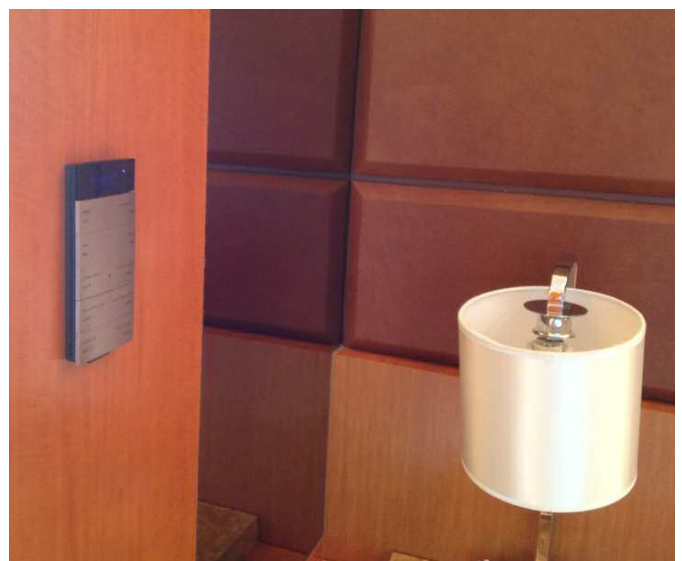
Sandalwood Estate, covering an area of 47,384.6 square meters, is located at the west side of the Xijiao State Guest Hotel on the Hongqiao Road, Shanghai City. With the classical architectural styles of Britain, France, Italy and Spain as blueprint, Sandalwood Estate comprises eighteen luxury villas. Each villa has a building area of about 1,500 to 1,800 square meters and a covering area of about 2,500 square meters.

Sandalwood Estate combines classical aesthetics with modern, simple and smart features. It imposed high requirements on the intelligent control system to be used. Hager KNX system was chosen for its flexible control functions, advanced control ideas and classical European-style design.



Products and solutions

KNX system.





Land Resource Hotel Shijiazhuang

Technical data:

- **Work:** Land Resource Hotel
- **Location:** Shijiazhuang (China)

Located at the Luquan City of Shijiazhuang City, this hotel is used by the People’s Government of Hebei Province for receptions and meetings. It covers an area of 70,000 square meters and has 337 superior guest rooms.

Hager KNX system enables intelligent control on all guest rooms. Based on project requirements, the system seeks overall beauty in system structure setting an equipment configuration and ensures the maximum safety, comfort and convenience of users.

Products and solutions

Major functions of Hager KNX system in this hotel:

- Intelligent lighting control (switch and dimming)
- Electric curtain control
- Control of fan coil units and fresh air machines
- Different scenarios like receiving visitors, watching TV, resting, and getting up in the night are set on the smart panels in guest rooms, which is convenient for one-touch switchover.
- Automatically activate different scenario models like meeting and cleaning according to the access cards of different identities.
- By integrating with the hotel management system, the system enables the management to manage and control all guest rooms at the reception, customer service department, engineering department and other areas.
- Automatically turn on the air conditioner in guest rooms for guests who are checking in at the reception.
- Turn on the ventilating system regularly to keep the air fresh when the room is not occupied.





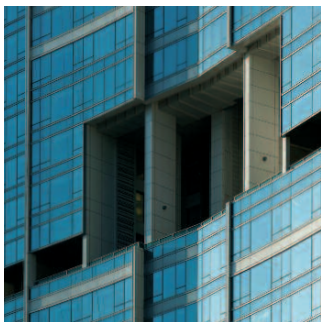
Larvotto

Inherent supremacy
blessed by nature

Technical data:

- **Work:** Larvotto
- **Location:** Ap Lei Chau, Hong Kong
- **Type:** New Construction
- **Installer:** Everfield Engineering Limited
- **Distributor:** Sun Hung Kai Properties

Larvotto will be nestled on the prime Island South seashore amid lush mountains, with a 270-degree sea view stretching from the Aberdeen Marina Club to Aberdeen Channel and Ocean Park. The project site covers over 180,000 square feet and will have nine low-density luxury buildings in a single line to offer perfect views for each of the 700-plus premium apartments.



Products and solutions

MCCB boards for meter-front:

- JN04US
- JK106SA
- JK108SA
- JK110SA
- JK112SA
- JK250S

h3 MCCB for meter-front:

- HH147
- HH148
- HH149

MCB for meter-front:

- MU110
- MU120
- MU132
- MU363
- AD1231

Switch for meter-front:

- SB280S
- SB363S
- SB380S
- SB399S



MCB and MCCB boards inside the main-switch room



IHHP

The City of Life - A Complete

Technical data:

- **Work:** The International Hi-Tech Healthcare Park
- **Location:** Binh Tan District, Ho Chi Minh, Vietnam
- **Type:** New Construction
- **Installer:** Techgel & Rosaco
- **Distributor:** Hoa Lam Group & Shangri-La

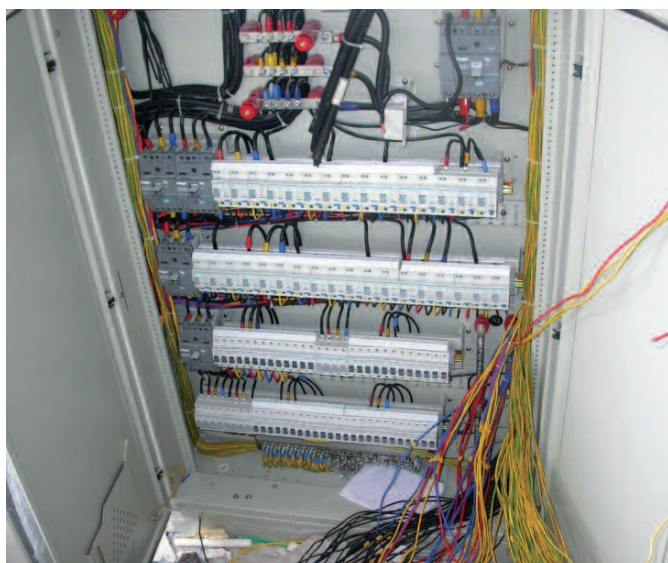
The International Hi-Tech Healthcare Park (IHHP) is developed by Hoa Lam-Shangri-La Healthcare Limited Liability Company (Hoa Lam-Shangri-La) to be a premier international healthcare development that features a complete, fully integrated healthcare environment for both patients and medical professionals. IHHP received its Investment License in July 2008 from the People's Committee of Ho Chi Minh City.

Located in the Binh Tan District, the IHHP covers an area of approximately 37.6 hectares (or 375,631 m²) and is just 10 km (or 30 minutes) away from the heart of Ho Chi Minh City's Central Business District. The IHHP is easily accessed from the Vo Van Kiet Highway and Highway 1A.

The project will address the current shortage of world class, comprehensive healthcare services and facilities in Ho Chi Minh City, serving its estimated 9 million people as well as the surrounding region, and is expected to be completed in 10 years time.

Products and solutions

- Main Switch Gear
- Modular Protection Devices
- Wiring Accessories



control board with MCB, MCCB and twin RCBO





Mien Dong International General Hospital

Technical data:

- **Work:** Mien Dong International General Hospital
- **Location:** Binh Duong City, Ho Chi Ming, Vietnam
- **Type:** New Construction
- **Installer:** Techgel
- **Distributor:** Becamex JSC

Mien Dong International General Hospital is a 1,000-bed hospital located in the province of Binh Duong, South Vietnam.

The development comprises 8 blocks with state-of-the-art facilities such as radiation therapy, diagnostic imaging, accident & emergency, internal medicine, cardiology, neurology, orthopaedics, a Women’s and Paediatrics Institute, serviced apartments and education centres.

Aside from patient-centric planning, extensive site landscaping and roof gardens help to accelerate healing while dependency on artificial lighting and ventilation is minimised.

Scheduled for completion in 2013, Mien Dong International is set to be a premier medical institution in Vietnam.



Products and solutions

- Main Switch Gear
- Modular Protection Devices
- Wiring Accessories



enclosure with MCB and RCCB



i



ii



iii

(i, ii, iii) = switch board with ACB and h3 MCCB



Zithali

Dholhiyadhoo Resort & Spa

Technical data:

- **Work:** Zithali Hotel
- **Location:** Shaviyani Atoll (Maldives)

This is the latest addition to the luxury resort brand of Zithali, with 100 Guest Rooms. Zithali Dholhiyadhoo is scheduled to open in early 2013.



Products and solutions

Energy distribution:

- Orion enclosures
- Miniature Circuit Breakers
- Residual Current Devices





Hilton Maldives Irufushi Resort & Spa

Technical data:

- **Work:** Hilton hotel
- **Location:** Noonu Atoll (Maldives)
- **Type:** New building

Hilton Maldives Irufushi Resort & Spa is a five star luxury resort located in Noonu Atoll Maldives, accessible by a 45 minute seaplane ride. The resort has a total of 222 guest rooms of various categories including Suites and Retreats, together with 11 diving outlets.



Products and solutions

Energy distribution:

- orion enclosures
- golf enclosures
- Miniature Circuit Breakers
- Residual Current Devices

Wiring accessories:

- system 8000





Hyflux Innovation Centre

Technical data:

- **Work:** Hyflux Innovation Centre
- **Location:** Singapore
- **Type:** New building

The 10-storey L-shaped complex with a basement carpark and a gross floor area of more than 400,000 square feet was completed at a cost of \$60 million.

The new building will serve as the nerve centre of Hyflux's global operations. Besides accommodating the executive and corporate offices, it houses the engineering design and technology commercialisation departments that integrate the technologies developed out of the group's research and development (R&D) laboratories into viable, cost-effective and sustainable solutions for the global water industry

Products and solutions

Main Switch Gear:

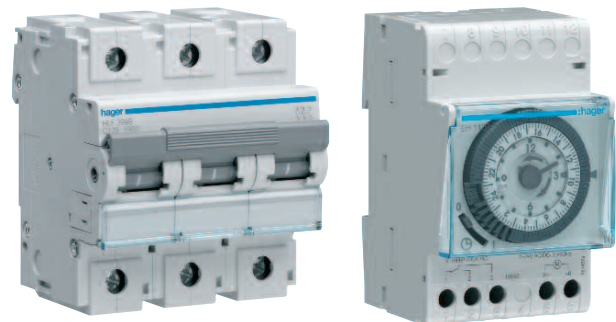
- Air Circuit Breakers
- Moulded Case Circuit Breakers

Modular Protection Devices:

- Modular Circuit Breakers
- Residual Current Circuit Breakers

Controls:

- Time switches





Housing scheme Meragang

Technical data:

- **Work:** National Housing Scheme
- **Location:** Meragang (Brunei)
- **Type:** New building

The National Housing Scheme consists in 361 double-storey houses sponsored by the Brunei Government for the locals.



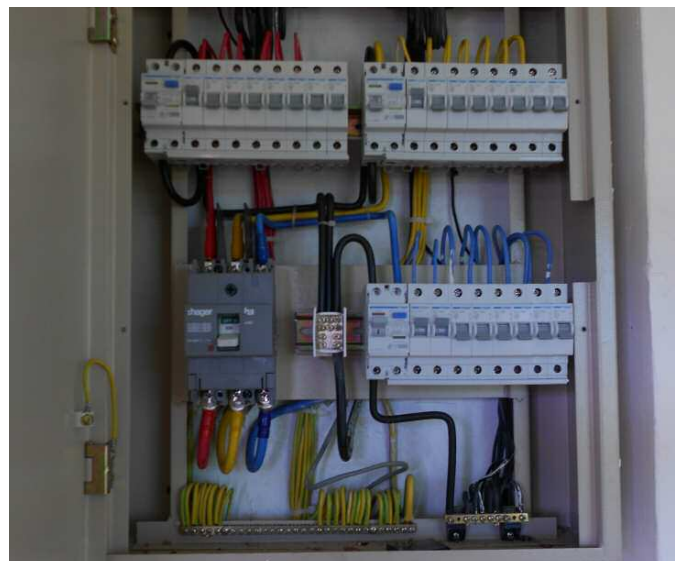
Products and solutions

Main Switch Gear:

- Moulded Case Circuit Breakers

Modular Protection Devices:

- Modular Circuit Breakers
- Residual Current Circuit Breakers





6 & 7

New Bridge Street

Technical data:

- **Work:** 6-7 New Bridge Street
- **Location:** London (UK)
- **Installer:** Burgin Contracting

Burgin Contracting has achieved a 70 percent time saving on an electrical installation for prestigious central London offices by using klik.system.

The installation at 6-7 New Bridge Street in Central London has used klik.system from the distribution boards right through to final luminaires and lighting control. The prefabricated wiring system also provides power to fan coil units throughout the seven-storey building.

Andy Collinge, electrical operations manager for Burgin stated "The system has saved us significant time in the first fix because there are fewer hard wired connections to make. This labour saving translates into a cost saving on the job making us more competitive in the tender."

Products and solutions

klik.system:

- klik.system ensures the benefits of prefabricated wiring systems can be exploited, whilst assuring compliance with BS 8488 (Prefabricated wiring systems intended for permanent connection in fixed installations). With klik.system individual prefabricated wiring sections are plugged together on site to provide the complete system from distribution board to the luminaire.

Invicta 3:

- 11 Invicta 3 TP&N Boards were used, 3 for landlord supplies and 8 for tenants. The dual distribution boards are all MID metered for both lighting and power to meet Part L2 and with MID approval can be used for billing tenants if the landlord chooses to do so.





Irish Life Assurance Head Office Building

Technical data:

- **Work:** Irish Life Assurance Head Office
- **Location:** Abbey Street, Dublin (Ireland)
- **Type:** Refurbishment
- **Consultant:** PMC Partnership
- **Contractor:** C.J.Ryder Lawlor Ltd
- **KNX Partner:** EIB Technology Ltd

The existing lighting control system was 25 years old and had come to the end of its usable lifespan. There were signs of early component failure and programming difficulties. An open protocol KNX and DALI solution was specified.



Products and solutions

tebis TX:

- presence detectors
- output modules

klik.system:

- distribution boxes and connecting cables

Enclosures:

- FW





Imperial Cullinan

The perfect reflection

Technical data:

- **Work:** Imperial Cullinan
- **Location:** South West Kowloon, Hong Kong
- **Type:** Residential
- **Developer:** Sun Hung Kai Properties

Together with IFC, ICC and The Cullinan, Imperial Cullinan is the latest addition on Victoria Harbour's prime landmark axis, marking Hong Kong's major architectural icons.

Imperial Cullinan is a new luxury residential project by SHKP in a prime location at 10 Hoi Fai Road in southwest Kowloon. It will have a panoramic view of Victoria Harbour and will form a brace of waterfront luxury with SHKP's The Cullinan, in an oasis of luxury living that provides a perfect counterfoil to the IFC and ICC commercial landmarks.

Products and solutions

- MCCB & MCB boards
- Moulded Case Circuit Breakers
- Modular Circuit Breakers
- AI switches





The Reach

A new landmark of Yuen Long

Specs:

- **Work:** The Reach
- **Location:** No.11 Shap Pat Heung Road, Yuen Long, Hong Kong
- **Type:** Residential
- **Value of products:** HKD 3M
- **Delivery date:** End of 2013
- **Developer:** Henderson property agency limited
New world real estate agency limited

Enjoy the panoramic east-to-west view of Lam Tsuen Country Park or Shap Pat Heung, and Tai Lam Country Parks in the distance; or the dazzling lights of Yuen Long town centre from the north. The southern side of the property has been planned to be an open space, which means that most of the residential units can have a wide open view.

Lightning effects of THE REACH is designed by the award winning master designer. Takeshi Konishi, who crafts a world class residential image of understated luxury.



Products and solutions

Moulded Case Circuit Breakers & Miniature Circuit Breakers boards:

- JN2B00006S1
- JN4B00206S1
- JK1B08S1
- JK1B10S1
- HE108SN
- HE126SN

Miniature Circuit Breakers:

- MU110A
- MU120A
- MU132A
- MU240A
- MU363A
- AD123
- AD125

Moulded Case Circuit Breakers:

- HHA032Z
- HHA063Z
- HHA100Z
- HNB250Z

AI switches:

- SBN263
- SBN340
- SBN363
- SBN390
- JK200S



HE126SN in a tailor made cabinet





LAN PHUONG

MHBR TOWER

Specs:

- **Work:** LAN PHUONG MHBR TOWER
- **Location:** Truong Tho Ward, Thu Duc District, Ho Chi Minh City, Vietnam
- **Type:** Apartment
- **Product value:** 36,000 USD
- **Delivery date:** December, 2012
- **Developer:** Lan Phuong Co., Ltd & MHB Land
- **Main Contractor:** Cotecons
- **Contractor:** Nam Thinh AE Corp.
- **Panel Builder:** DP Consulting

Lan Phuong MHBR Tower project inherits all the existing utility of infrastructure systems economic-social stability in the area, including Thu Duc Market, Co.op Mart Supermarket, Thu Duc Hospital, National University HCM City and National Sport Center II... Project is an ideal opportunity that allows you full access to commercial services, health care, education development.



Products and solutions

Main Protection Devices:

- | | | | |
|-----------|----------|----------|----------|
| • AD620B | • MU110A | • MU232A | • MU340A |
| • AD625B | • MU116A | • MU316A | • NC332A |
| • ESC225 | • MU216A | • MU320A | • NC363A |
| • ESC325 | • MU220A | • MU325A | |
| • HLF380S | • MU225A | • MU332A | |

Contactors

- | | | | |
|-----------|-----------|-----------|-----------|
| • EW007_C | • EW032_C | • EWT004B | • EWT060B |
| • EW009_C | • EW063_C | • EWT010B | • EWT085B |
| • EW012_C | • EW100_C | • EWT021B | • EWT112B |
| • EW016_C | • EWA101 | • EWT050B | • EWT118B |

Moulded Case Circuit Breakers:

- | | | | |
|-----------|-----------|-----------|-----------|
| • HDA020Z | • HDA080Z | • HHA050Z | • HHB250Z |
| • HDA025Z | • HDA100Z | • HHA099Z | • HNB200Z |
| • HDA032Z | • HDA125Z | • HHA100Z | • HDD400U |
| • HDA040Z | • HDA160Z | • HHA125Z | • HND630U |
| • HDA050Z | • HHA025Z | • HHA160Z | • HNE800U |
| • HDA062Z | • HHA032Z | • HNA160Z | |
| • HDA063Z | • HHA040Z | • HHB200Z | |

Air Circuit Breakers:

- HWG406EF6C2CA010
- HWG410EF6C2CA010
- HWG412EF2A0AA010
- HWG412EF6C2CA010
- HWY121



ACB in the main-switch room



Caritas

Medical centre

Specs:

- **Work:** Caritas Medical centre
- **Location:** 111 Wing Hong Street, Cheung Sha Wan, Hong Kong
- **Type:** Hospital
- **Delivery date:** Mid of 2013
- **Developer:** Hospital Authority

Founded by Caritas-Hong Kong in 1964, Caritas Medical Centre is an acute general hospital with around 1,100 beds situated in Shamshuipo. It provides a full range of acute and rehabilitation care, ambulatory and community medical services, including a 24-hour accident and emergency service, general outpatient service, and inpatient and outpatient specialist services in a one-stop setting - so called single episode care. To meet the ever increasing demand and expectation in medical services, Caritas Medical Centre has started a major re-development project which has its phase I completed in 2002 - a 14-storey new block, Wai Shun Block, for accommodating all acute services. Planning for re-development of the rest of the facilities of the hospital (phase II - ambulatory, rehabilitation and supporting services) has already started, with completion date planned in 2013.



Products and solutions

Moulded Case Circuit Breakers & Miniature Circuit Breakers boards:

- JN2B00004S1
- JN2B00006S1
- JN2B00008S1
- JN2B00010S1
- JN4B00204S1
- JN4B00206S1
- JN4B00214S1
- JK200S
- JK250S
- JK1L1253SK
- JK2L1603SK
- HE06SN
- HE08SN
- HE10SN

Moulded Case Circuit Breakers:

- HHA032Z
- HHA063Z
- HHA100Z
- HHA125Z
- HHA160Z

Miniature Circuit Breakers:

- MU106A
- MU110A
- MU120A
- MU132A
- MU240A
- MU316A
- MU332A
- MU363A
- AD123
- AD125

AI switches:

- SB263S
- SB299S
- SB363S
- SB399S
- JK125S
- JK160S
- JK160S



MCB boards inside the main-switch room



Ba Ria

General hospital

Specs:

- **Work:** Ba Ria general hospital
- **Location:** Baria, Vung Tau, Baria Province, Vietnam
- **Type:** Public
- **Developer:** Ba Ria People Committee
- **Main Contractor:** Dic 4
- **Contractor:** Yoil (Korea)
- **Panel Builder:** Toan Cau JSC

Ba Ria General Hospital is invested by Ba Ria People Committee with the size up to 700 beds, included 38 faculties divided into six functional areas. This hospital shall be finished at end of this year 2013 to serve people in that area.

- Suite area: 70,000m²
- Total floor area: 55,959m²
- Storey: 12 above ground
- Total investment: 100millions USD (2,000 billions VND)

Products and solutions

Contactors:

- EW100
- EW030-C
- EW040-C
- EW050-C
- EW063-C

Main Switch Gear and Air Circuit Breakers:

- HWN425EF2A0AA010
- HWN432EF2A0AA010
- HWN440EF2A0AA010
- HWN450EF2A0AA010

Main Protection Devices:

- HDA048Z
- HDA061Z
- HNA078Z
- HNA051Z
- HNA081Z
- HNA101Z
- HNA125Z
- HNA126Z
- HNA161Z
- HNB201Z
- HNB251Z
- HND401Z
- HND631Z
- HNE800Z
- HNF981Z
- HNF990Z
- HNF991Z
- CD225B
- MU106A
- MU110A
- MU116A
- MU120A
- MU210A
- MU220A
- NC332A
- NC340A
- NC350A
- NC363A



ACB in cabinet

Hager Electro S.A.S.
132, boulevard d'Europe
B.P.3
67215 Obernai cedex
France

Phone: +33 (0)3 88 49 50 50
Fax: +33 (0)3 88 49 51 44
www.hager.com