



CHNT SMART LV SWITCHGEAR

Empower the World

MONITORING AND MANAGEMENT YOUR POWER SYSTEM

2019.09.11

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EVOLUTION

The development of LV switchgear, and customer value of the smart switchgear.

LV SWITCHGEAR EVOLUTION

Earlier

- Fixed installation
- Simple information

70s

- Withdrawable and modular
- Interface to process hard wired
- Limited information

90s

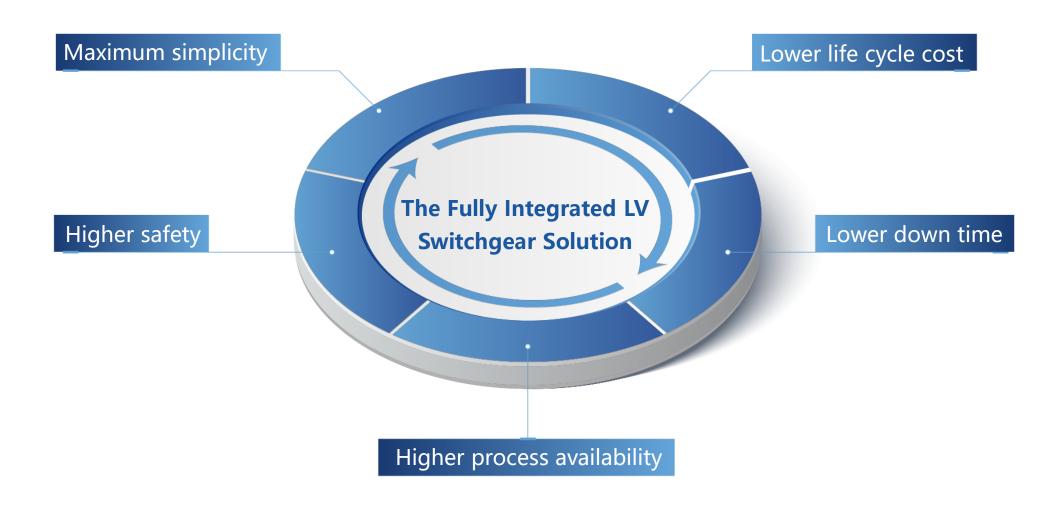
- Intelligent motor control and protection
- Interface to process via fieldbus
- Extended information
- Electrical workstation

Now

- Intelligent
- Fully integrated solution
- Interface to process via fieldbus and open protocol
- Advanced information
- Asset management



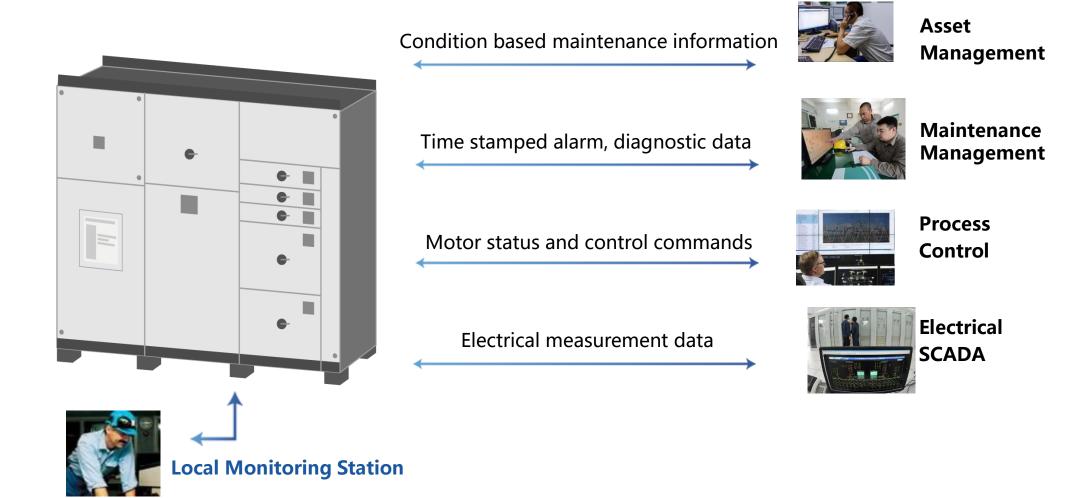
THE FULLY INTEGRATED LV SWITCHGEAR SOLUTION



Customer Values: Improve performance, cost savings.



HIGHER PROCESS AVAILABILITY



■ Right information to right operator at right time enables highest process availability.



System State

- Comprehensive
- Compatible
- Optimization

Energy Analyze

- Directly display all the parameters.
- Parameter collection and analysis.
- User-defined display mode.

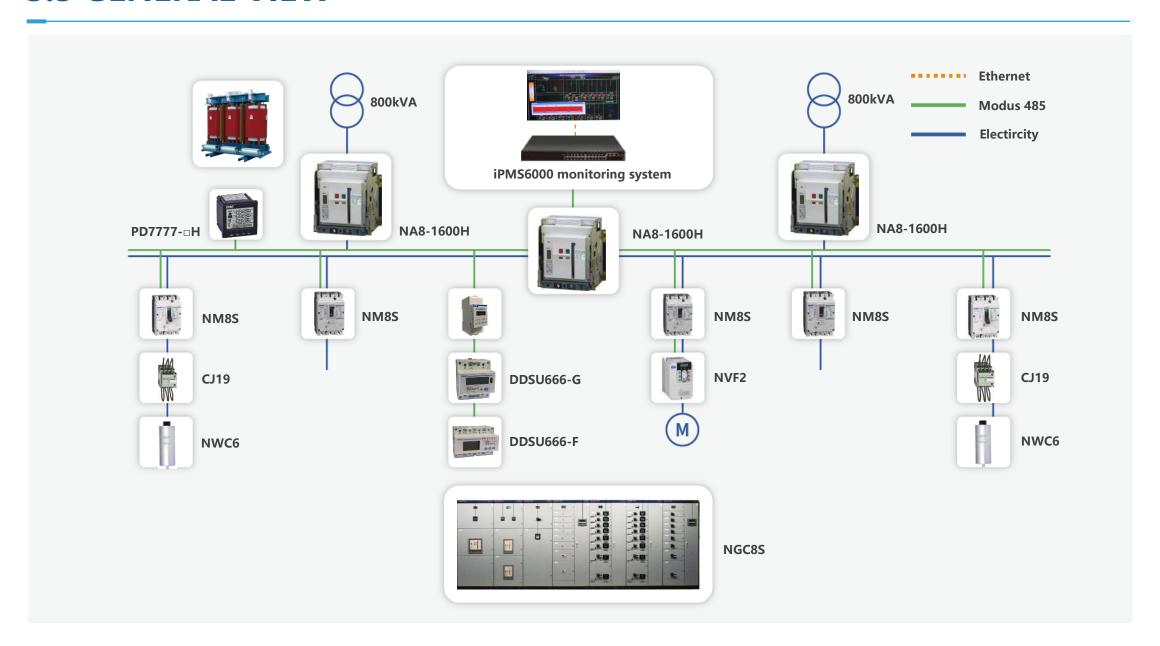
Fault Alarm

- Always on-line alarm prompt.
- Record related data to help event diagnosis.
- Highlight the potential risk of system.
- To alarm based on the user right and process.

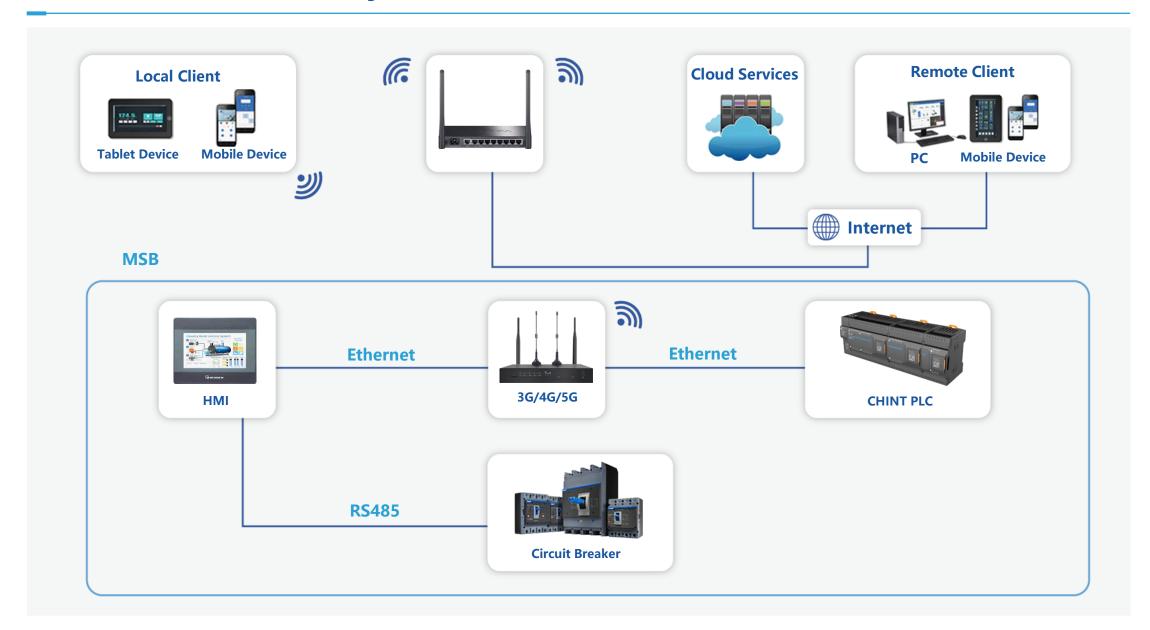
Statement

- Various pre-made template, easy to use.
- Provide customized report.

3.3 GENERAL VIEW

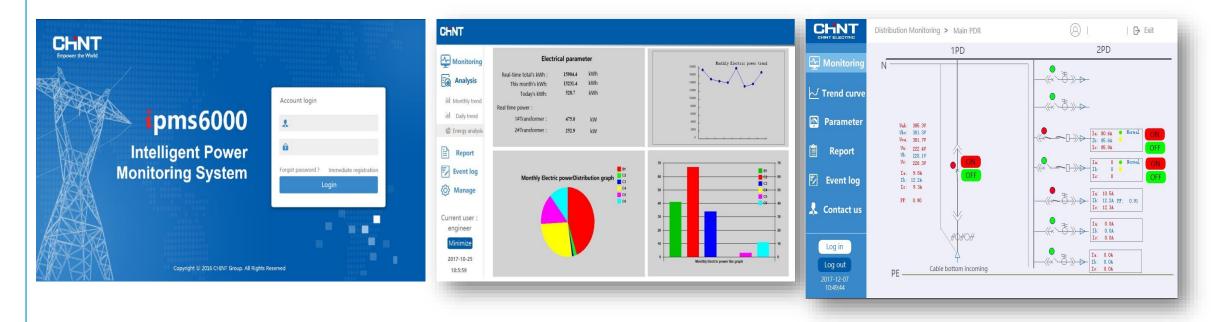


3.3 Communication System architecture



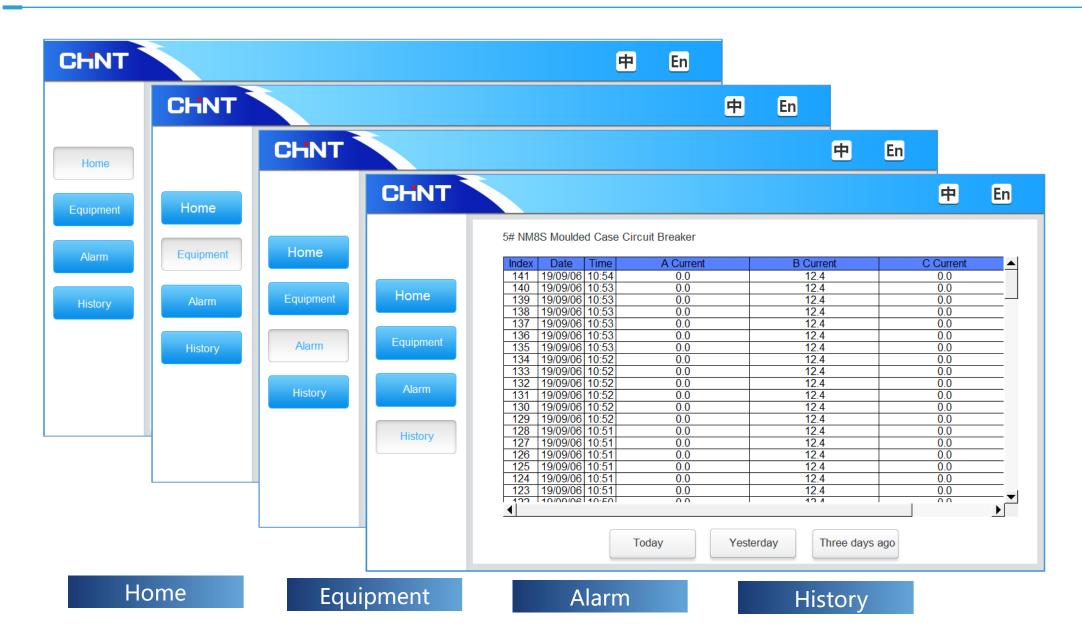


PMS & PLC



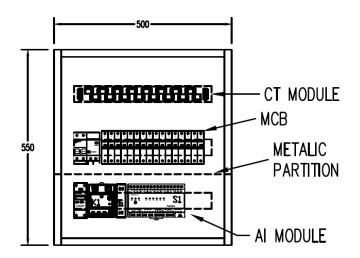
- 1 High-speed chip equipped with dedicated high-speed processor chip, the basic instruction execution time can be up to 0.08μs,
- Ethernet connections CPU ontology module equipped with Ethernet interface,
- 3 Pulse output CPU module, ontology integration at most four high-speed pulse output, frequency of 100 kHz, support PWM/regarding output mode and various movement modes,
- 4 Friendly use CODESYS programming software, the software based on advanced. The net framework and international standard IEC 61131-3,
- 5 Compatibility fully compatible with CHINT brand touch screen, frequency converter and servo drive system,

3.3 SOFTWARE INTERFACE





SMART DB1



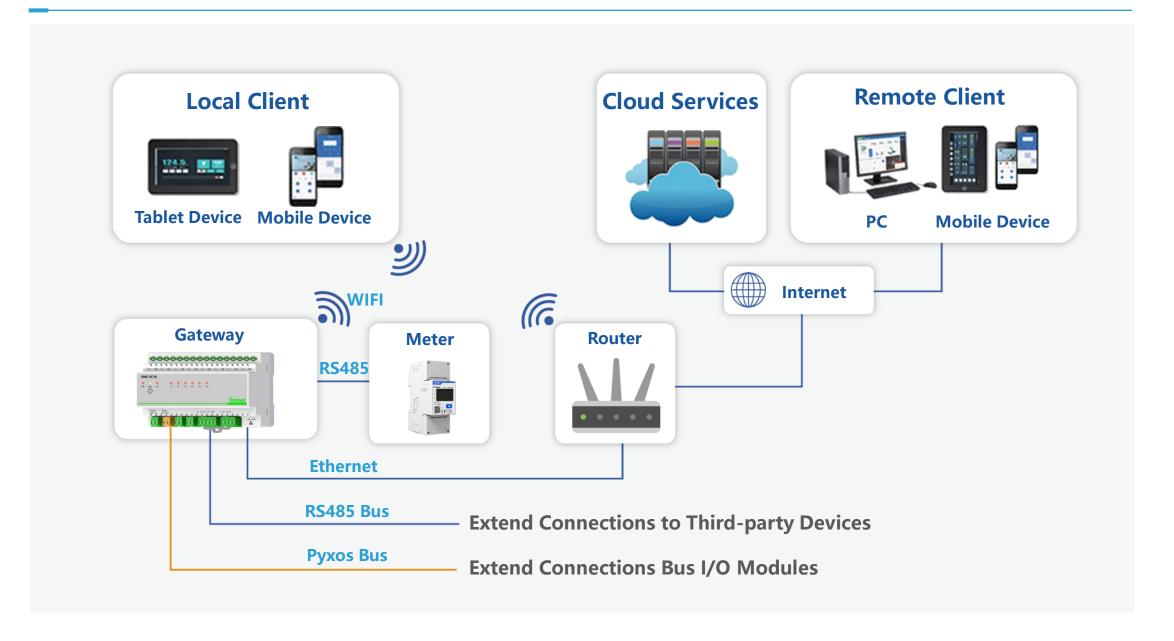
INTERNAL FRONT ELEVATION PROPOSAL 2



- Smart home control.
- Household electricity utilization monitoring and security fault alarm.
- Single module supports 16 circuit of low current, high precision monitoring of energy consumption.
- Up to 1 k HZ waveform acquisition and two-way transmission, realize the immersion system identification can match (outsourcing NFLM module).
- Mobile phone, PAD custom APP.
- Free topology, can increase the security, environmental monitoring, and other intelligent household equipment.



SMART DB 2





SMART DB3 -APP INTERFACE



