

MK119

Your Unified BMS + EPMS + DCIM Solution

BUILDING MANAGEMENT SYSTEM CREATED ONLY FOR THE DATA CENTER
FLEXIBLE | STRONG | EFFICIENT

ONION Technology is a unified BMS + EPMS + DCIM provider and was founded in 2000 having locations in Singapore and Korea. We serve 80% of the large and enterprise Data Center market in Korea. All the Telcos in South Korea use ONION for their Colocation DC Needs. And now major Data Center service providers in Singapore are already benefiting with MK119.

The **MK119** is unified software for BMS + EPMS + DCIM. Full BMS coverage for data center, no SPOFs, a patented Hyper Performance Algorithm (> 100TX / sec) and a **Universal Interface** for integration with your current & future equipment. **Whether your needs are simple or robust**, the MK119 is ready.

200+ Customers, 200+ Data Centers, 20+ Years' Experience

Colo DC operator	Conglomerates	Public / Financial

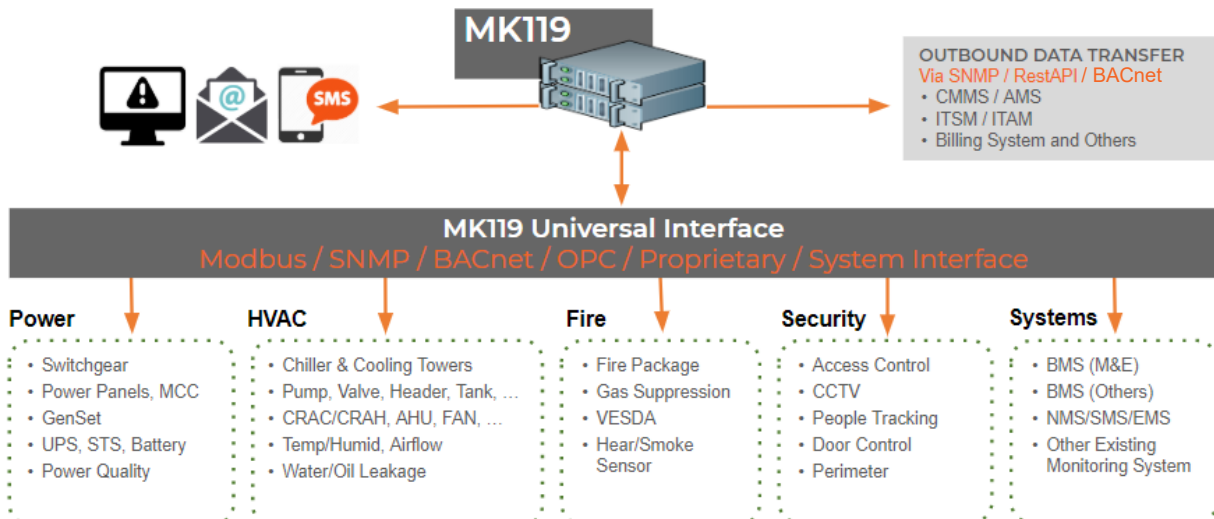
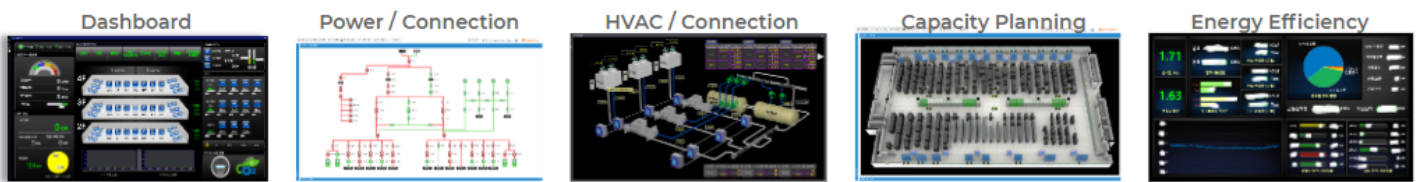
“10 out of 10 Largest Colocation DC operators in Korea”

“10 out top 12 Korean Large Conglomerates”

selected **MK119**

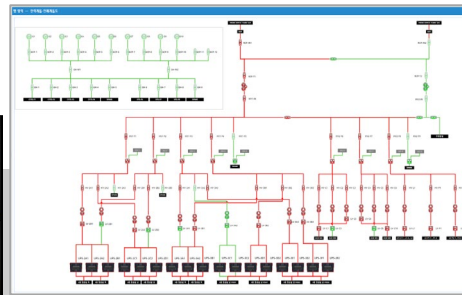
ONION Flexible

For customized engineering solutions

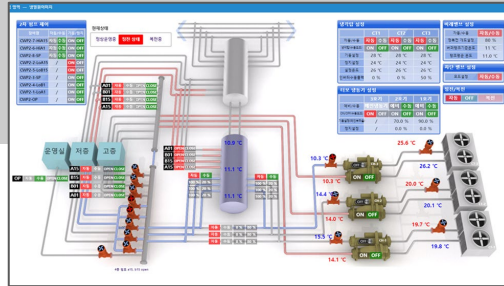


M&E
INFRASTRUCTURE
Monitoring & Control

Intuitive Dashboard
Operation Summaries



Power Monitoring :
Single Line Diagram Support



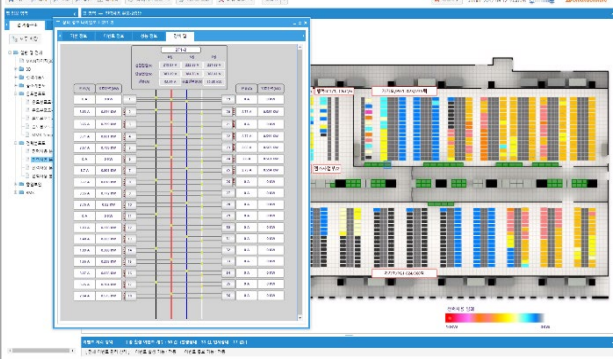
Comprehensive Sub-System Interface
oversight: from CCTV to existing BMS, from HMI to SCADA, from people to fires



Rack-level Cooling & Power Capacity management

Rack-Wise Power Usage Report (2014-05-17)

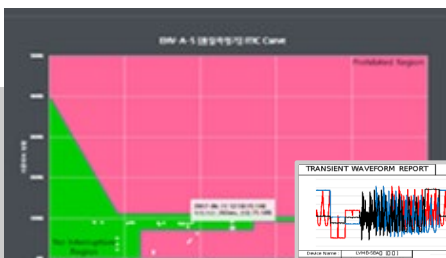
Reg # of Racks	Over Max. Capacity	Under Max. Capacity	Reserved
500000001	---	5014	27
500000002	---	5014	27
500000003	---	5014	28
500000004	---	5018	28
500000005	---	5018	28
500000006	---	5014	28
500000007	---	5018	28
500000008	---	5014	28
500000009	---	5018	28
500000010	---	5018	28
500000011	---	5014	28
500000012	---	5018	28
500000013	---	5018	28
500000014	---	5014	28
500000015	---	5018	28
500000016	---	5018	28
500000017	---	5014	28
500000018	---	5018	28
500000019	---	5018	28
500000020	---	5018	28



Data Center
BUSINESS
Support

Various Reports Generation
Billing and operation supports

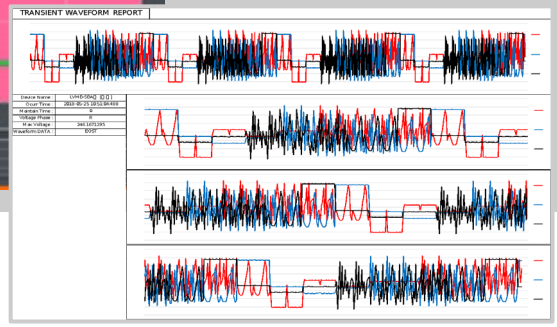
Energy Efficiency
& Commissioning
Support

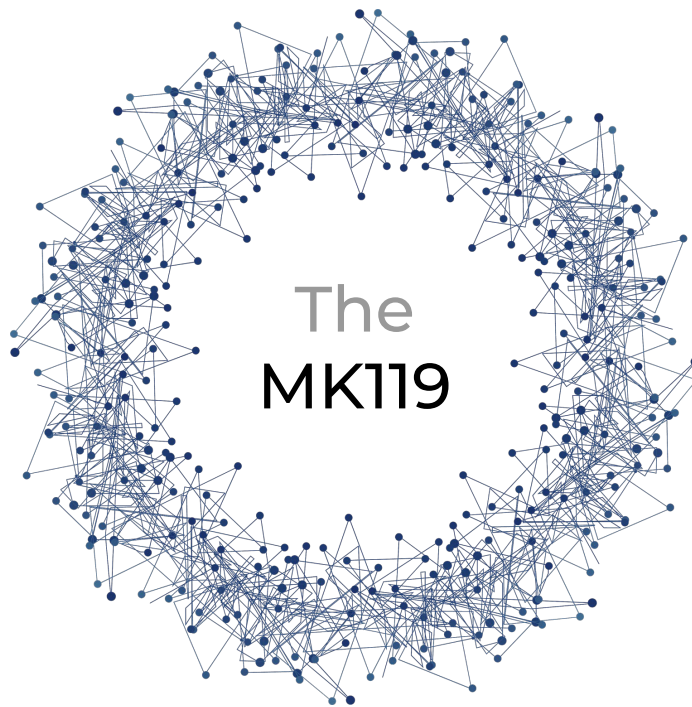


ITIC



Real time PUE





The MK119

Building Management System (M & E)

- M&E Monitoring & Control
- Single Line Diagram
- Chilled Water System
- DDC/PLC Interface

Data Center BUSINESS Support

- Capacity Management (Power, Cooling, Space)
- Colocation Service Management
- Billing Report
- Client Portal

Unified Monitoring & Control

- Power, Cooling, Security, Fire, and More
- Data Hall Management
- Sub-system Interface
- Dashboard & Report

Energy Efficiency & Commissioning Support

- Energy Management
- PUE Management
- Cooling Optimization
- Commissioning Support



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