

MYSMART ENERGY SUB-METERING

As of 2019, updates to the Australian National Construction Code NCC - Section J8.3 require all sub-distribution boards installed in large commercial facilities to have power meters installed and require the historical time of use data to be captured and accessible via a common data hub/monitoring system. This revision aims to increase energy efficiency by consuming less energy for heating, cooling, ventilation, lighting and other services used by buildings through control mechanisms.

To support this requirement, mySmart recommends ABB's Sub-Metering EQ Energy Meters as part of mySmart's Energy Management System solutions.

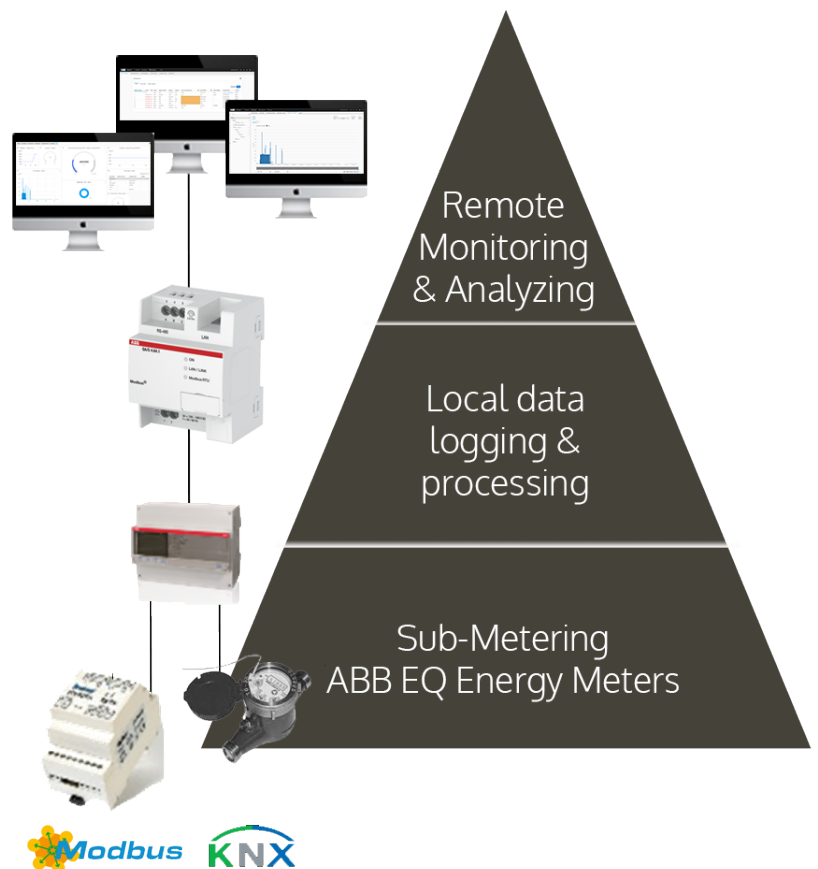
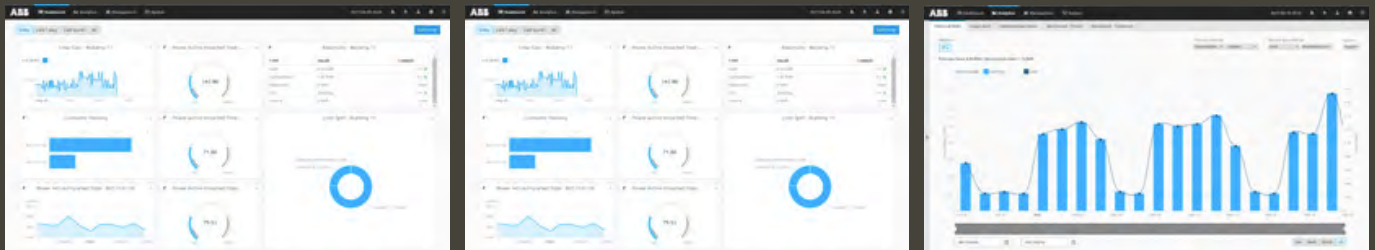


ABB EQMATIC MODULAR DEVICE AND SOFTWARE

The ABB EQmatic is a compact modular device designed to monitor and display consumption and measured values. Often used in stand-alone applications, it also integrates easily into hierarchical data systems. The device has a plug and play method for commissioning & automatically detects ABB EQ Energy Meters (A and B series)

It is accessed via a web browser, with the user interface providing basic analytics functions such as a dashboard, historical data, instantaneous values, comparison functions and cost allocation by consumer group. As a result, building energy flows and costs are transparent. The solution is suitable for energy management and energy cost allocation applications seeking energy efficiency improvements and cost reductions.

Additional functionality performs benchmark and comparison analysis by periods and consumers, highlighting any non-optimal behaviors that may require attention. Data can be collected from field devices including ABB EQmeters; third party gas, water and heat meters; as well as pulse meters with external adapters or converter with manual configuration.



FOR REFERENCE - THE NATIONAL CONSTRUCTION CODE, 2019

SECTION J8.3 FACILITIES FOR ENERGY MONITORING

(Part B) A building with a floor area of more than 2 500 m² must have energy meters configured to enable individual time-of-use energy consumption data recording, in accordance with (Part C), of the energy consumption of;

(i) Airconditioning plant including, where appropriate, heating plant, cooling plant & air handling fans; and

(ii) artificial lighting; and

(iii) appliance power; and

(iv) central hot water supply; and

(v) internal transport devices including lifts, escalators and moving walkways where there is more than one serving the building; and

(vi) other ancillary plant.

(Part C) Energy meters required by Part b must be interlinked by a communication system that collates the time-of-use energy consumption data to a single interface monitoring system where it can be stored, analysed, and reviewed.

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