Wi-LEM COMPONENTS

Energy Meter Node (EMN):

Single or three phase energy meter with embedded wireless data transmission module

Measurement values:

	Configurable Reading Interval (5 to 30 minutes)													
	Interval Base Values										Cummulated Values			
	L1			L2			L3			SUM	L1	L2	L3	SUM
	Av	Min	Max	Av	Min	Max	Av	Min	Max					
Current (A)			■			■			■					
Voltage (V)		■			■			■						
Active Energy (kWh)	■			■			■			■	■	■	■	■
Reactive Energy (kVarh)	■			■			■			■	■	■	■	■
Apparent Energy (kVA)	■			■			■			■	■	■	■	■
Frequency										■				

- Current from 20 to 2000 A
- Voltage from 90 to 500 VAC

Wi-Pulse:
A transducer that counts and transmits pulses coming from meters like water or gas*

Wi-Zone:
Temperature and Humidity transducer

Mesh Gate:
A gateway managing the mesh network (up to 200 Nodes). It provides data through serial interface to a PC or RTU

Mesh Node:
Repeater linking various Nodes.
They enable wireless communications throughout a large installation

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Commercial Information

Wi-LEM
Wireless Local Energy Meter

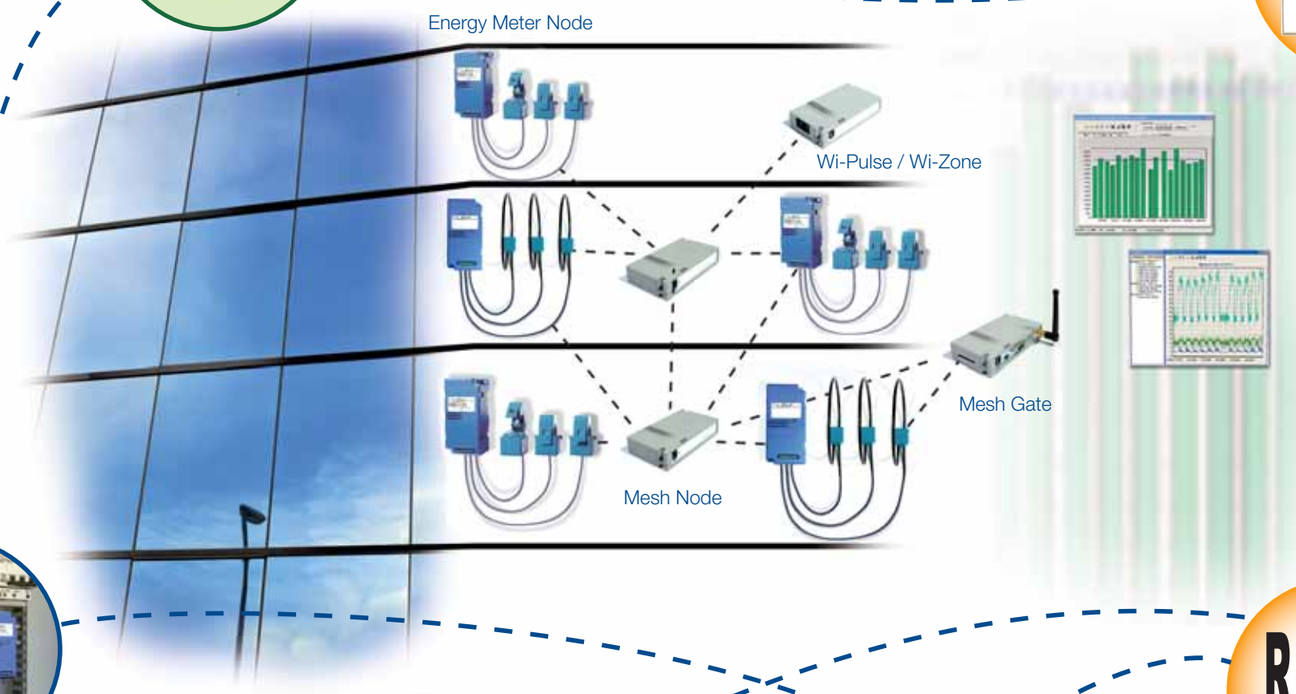
LEM®

Wi-LEM
"Plug & Save"

Battery Powered
Temperature &
Humidity Transducer

Open Data
Architecture
(Modbus Protocol)

Pulse Counter
(Gas*, Electricity, Water)



Auto-Configuration

Compact Size

Split-Core
Current measurement

Easy Mounting

Received Signal Strength Indication

Applications :

- Establish the breakdown of energy use (where does it all go?)
- Allocate energy wastes to users
- Determine efficiency of equipment
- Audit before & after energy use for retrofit projects
- Manage the load profile (peak demand)
- Maintenance and Entreprise Asset Management

Comprehensive Monitoring Solution

Cut Installation Costs

Easy Commissioning

* an additional intrinsic safety barrier module is needed

LEM®