

Wi-LEM COMPONENTS

Energy Meter Node (EMN):

Single or three phase energy meter with embedded wireless data transmission module or as open OEM version

Measurement ranges:

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

Measurement values:

	Interval Based Values (5 to 30 minutes Configurable Reading Intervals)									Cumulated Values				
	L1			L2			L3			SUM	L1	L2	L3	SUM
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max					
Current (A)														
Voltage (V)														
Active Energy (kWh)														
Reactive Energy (kVarh)														
Apparent Energy (kVA)														
Frequency														

Wi-Pulse:

A transducer that counts and transmits pulses coming from water or gas* meters with pulse output

Wi-Zone:

Temperature and Humidity transducer

Wi-Temp:

Two inputs thermistors based temperature sensors

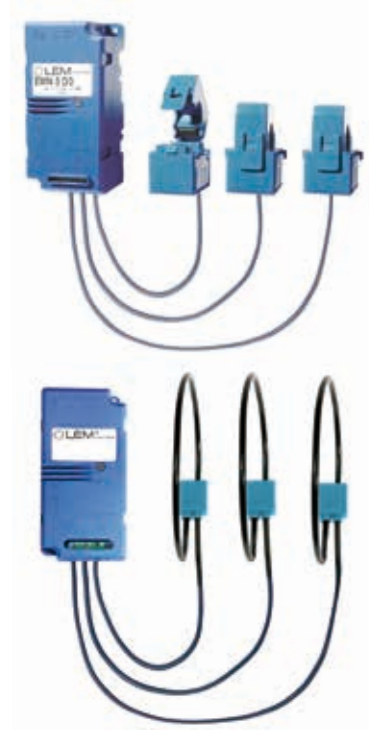
Mesh Gate:

A gateway managing the mesh network (up to 200 Nodes). It provides data through serial interface to a PC or RTU (Data logger with integration in existing platforms)

Mesh Node:

Repeater linking various Nodes. They enable wireless communication throughout a large installation

Distributor



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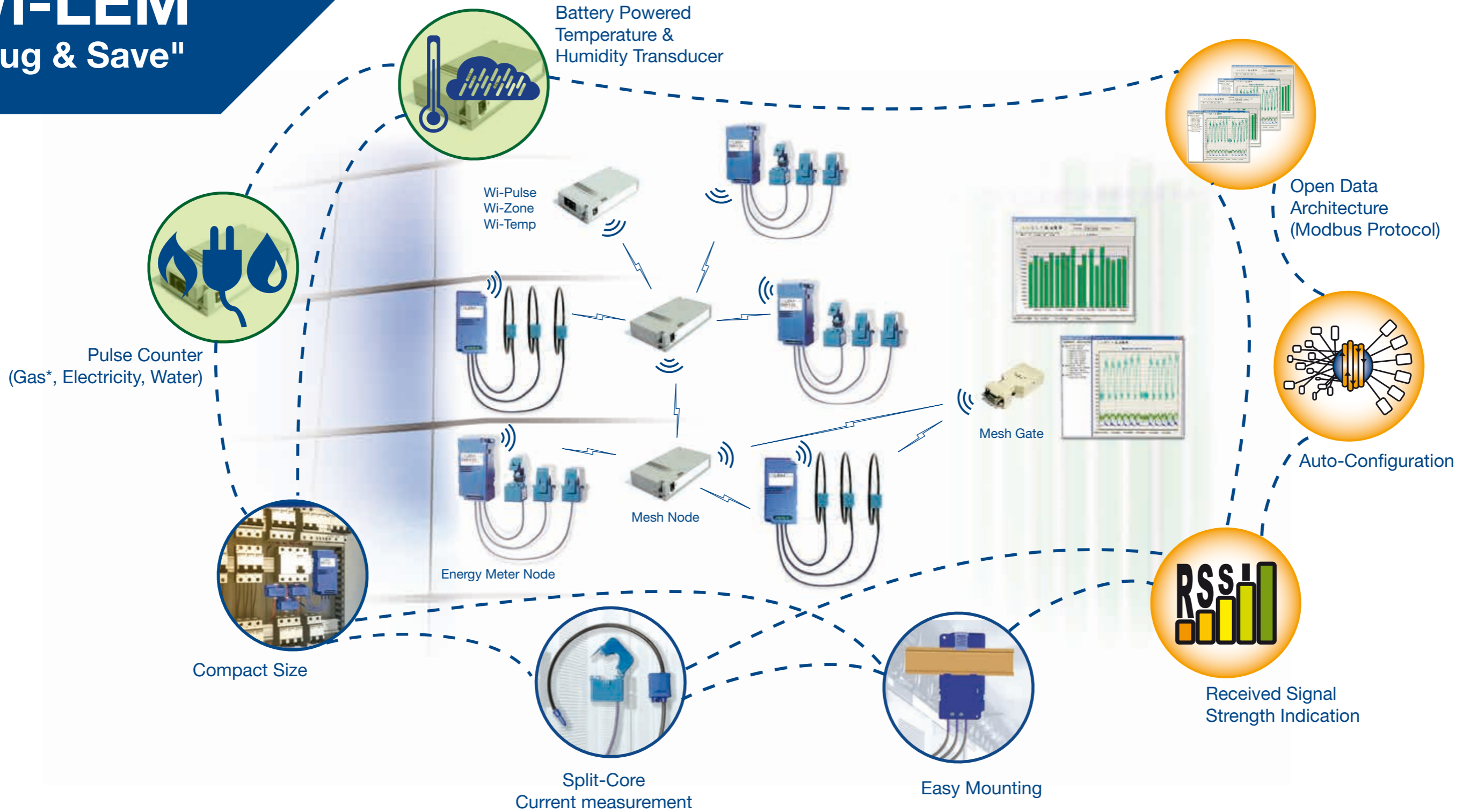
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Commercial Information

Wi-LEM Wireless Local Energy Meter



Wi-LEM "Plug & Save"



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 Enterprise Asset Management



Comprehensive Monitoring Solution



Cut Installation Costs



Easy Commissioning

* an additional intrinsic safety barrier module is needed