



## WATER METERING SOLUTIONS



Mechanical water meters are world-wide installed in hundreds of millions. Unlike electricity meters, there is no easy solution to replace by electronic parts as the power supply must be autonomous and there is no “natural” communications line as the power lines are.

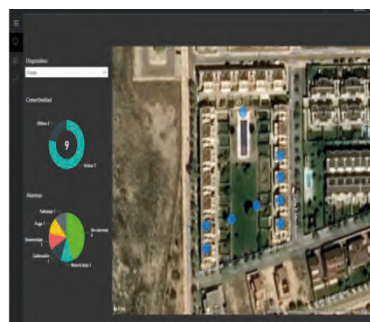
«Water meters are often installed into private premises. So, getting the counter reading is not always posible»

«It is not economically efficient to have dedicated staff to visit customer's premises to get the counters' readings»

«Billing is not up-to-date normally, but always delayed, so business is not adequately financed»

«Water loses, tampering and fraud is not easy (if at all) to detect or prevent»

Amper's Water Meter Solutions provides a complete solution for remote reading of water meter, fraud or leak detection. The data is sent to the server platform where the business intelligence resides.



PRECISE



UNIVERSAL CONNECTIVITY



OPTIMIZED COST



COMPLETE SOLUTION



CENTRALIZED · PARTICULAR · COLECTIVE  
AGRICULTURE · OUTDOORS · INDOORS

# PRODUCTS

	WM1011nb	WM1021nb	WM1081nb	WM9109	WM9103	WM9203
SENSING TYPE	Direct	Direct	Direct	Indirect (UNE BUS)	Indirect (NB-IBW*)	Indirect (NB-IBW*)
SENSORS	Magnetic Inductive Resonant	Magnetic Inductive Resonant	Magnetic Inductive Resonant	N.A.	N.A.	N.A.
APPLICATION	Isolated meter "Snap-on"	Isolated meter "Snap-on"	Isolated meter "Snap-on"	UNE BUS meters concentrator	UNE BUS meters concentrator	UNE BUS meters concentrator
BATTERY	Single use 10-15 years life	Single use 10-15 years life	Single use 10-15 years life	External PSU + battery backup	External PSU + battery backup	External PSU + battery backup
COMMUNICATIONS	NB-IOT	NB-IOT	NB-IOT	NB-IOT	NB-IBW* > NB-IOT	NB-IBW* > LTE-M
REQUIRES TELCO FEE	YES (1 for each)	YES (1 for each)	YES (1 for each)	YES (1 for many)	YES (1 for many)	YES (1 for many)
PRICE	Mid	Mid	Mid	Mid	Mid	Mid
AVAILABILITY	IMMEDIATE	IMMEDIATE	IMMEDIATE	ROADMAP	ROADMAP	ON DEMAND



\* NB-IBW is a proprietary protocol optimized for very long range and very low power. Uses 868MHz (915MHz) FSK

# SUCCESS STORIES

Spain



Water meters operator  
Since july 2018  
WM1011  
Over 200K

Spain



Water meters operator  
Since december 2018  
WM1021  
Over 200K

Spain



Water meters manufacturer  
WM2081  
Since 2020  
Over 100K / year