



Wireless water meter solution provides flow of data for Sevilla

Saft's LSH batteries providing long life and high reliability for Sevilla complex real-time metering infrastructure

Key benefits for Adevice

- Objective of ROI achieved for the water utility
- Optimized CAPEX with limited number of deployed devices
- Risk mitigation with the choice of a mature technology
- Reliable operation throughout summer heat and winter cold

Features of Saft's power solution

- 8 year-lifetime verified by a unique mathematical model
- High pulse capability allowing long range communication
- 30-year track record in Li-SOCl₂ primary lithium battery technology
- Wide operating temperature range (-60°C / +85°C)

The challenge: Powering meter reading terminals throughout a long service life

Fresh running water is central to public health and pleasant cityscapes, and with growing demand and dwindling water resources, utility EMASESA wanted real-time insight into consumption in the Spanish city of Sevilla.

Recognising that a wireless solution would avoid the need to upgrade and provide hardware connections for its existing network of water-meters, EMASESA turned to Adevice for help. A critical

requirement for EMASESA was that the terminals must offer exceptional reliability to ensure continuity of customer service as well as a long service life for an optimized Return On Investment (ROI).

The solution: Saft's high power LSH primary lithium batteries

Adevice delivered a wireless communication in device powered by Saft's LSH 20 primary lithium batteries.

As well as the need for compatibility with multiple types of water meters, the Adevice units faced significant challenges.

Saft's lithium thionyl chloride (Li-SOCl₂) LSH 20 provides the ideal solution with its excellent pulse capability enabling long-range telecommunication transmission coupled with unmatched reliability in the field, where temperatures vary widely and many batteries would not last.

“Saft proves it can meet our customers' demanding requirements for reliability, longevity and pulsing capability in the field, all while ensuring low maintenance needs to support the business case. The reason for choosing Saft was clear.”

Maria Gil , CEO of Adevice



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