



# Maintaining service continuity for customers while advancing to real-time water network

Today's complex, state-of-the-art metering infrastructure demands high performances, highly reliable batteries.

**The challenge: Remote reading of multiple brands' meters during the expected life time.**

## The customer: Adevice

With innovation at the heart of its business, Adevice designs and develops custom wireless monitoring and management solutions for industries including agriculture, and water and gas utilities. Adevice prides itself on delivering to customers competitive products with minimal deployment costs and maintenance. By continually listening to companies and markets, Adevice is poised to identify the needs and demands required to create cutting-edge connectivity solutions that enhance customers' production processes without interrupting the existing mechanism.

Spanish water utility company EMASESA, based in the city of Sevilla, collaborated with Adevice to upgrade its water metering systems to achieve real-time monitoring of the water network. To meet EMASESA's requirements, it was essential for Adevice to develop a customized solution that maintained continuity of service to consumers, while achieving the longest lifetime to optimize the business case. Sustaining continuity demanded a highly-reliable solution compatible with multiple meter brands that limits the number of deployed devices and reduces maintenance costs.



## The solution: Saft's high power 3.6 V primary lithium batteries (Li-SOCl<sub>2</sub>)

Adevice deployed Saft's LSH 20 primary lithium battery as the power solution for its metering reading terminal that joins multiple data channels with a single destination. Adevice actively developed the optimum business case for the EMASESA project. Saft's primary lithium thionyl chloride (Li-SOCl<sub>2</sub>) series, the LSH 20 in particular, supports the business case with its excellent pulse capability enabling long-range telecommunication transmission coupled with unmatched reliability in the field.

## Customer key benefits

- Solution with lowest Total Cost of Ownership (TCO): Saft LSH 20 battery shows an exceptional pulse response capability even in the Sevillian temperatures range.
- Meet the Return Of Investment (ROI) expectations of the project holder: with a lifetime of 8 years in the customer's conditions, Saft's LSH 20 is the unique battery enabling Adevice to meet its customer's requirements.
- Risk mitigation: with a 30-year proven track record in the primary Lithium technology, Saft is the most experienced actor on the market.

## Saft's solutions features

- Pulse capability > 2A compatible with any communication protocol
- High operating voltage, stable during most of the application lifetime
- Wide operating temperature range (-60°C/+ 85°C) compatible with all outdoor conditions.
- Some of the highest nominal capacities of the market today



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*Saft proves it can meet our customer's 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.*

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**María Gil**, CEO of Adevice



### Saft

12, rue Sadi Carnot  
93170 Bagnole - France  
Tel. : +33 1 49 93 19 18  
Fax : +33 1 49 93 19 64  
[www.saftbatteries.com](http://www.saftbatteries.com)

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