



# Maintaining service continuity for state-of-the-art water networks

Today's complex, real-time metering infrastructure demands high performance, highly reliable batteries.

## Key benefits for Adevice

- LSH 20 battery delivers exceptional pulse response capability even in the wide range of temperatures experienced in Sevilla.
- Lowest Total Cost of Ownership (TCO) helps Sevilla's water utility meet its ROI expectations with a lifetime of 8 years.
- Risk mitigation: with a 30-year proven track record in the primary Lithium technology, Saft is the most experienced player in the metering market.

## Saft 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.

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

Adevice designs and develops innovative wireless monitoring and management solutions for water and gas utilities. It has collaborated with EMASESA, the water utility company based in the Spanish city of Sevilla, to help upgrade its water metering systems for real-time monitoring.

The key element in the new metering system is the customized terminals that interface with meters from a variety of OEMs to

integrate multiple data channels and transmit the information to a single destination. 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.

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

Adevice has deployed Saft's LSH 20 primary lithium battery as the power solution for its meter reading terminals. Adevice worked

with Saft to develop 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, provide the ideal solution with its excellent pulse capability enabling long-range telecommunication transmission coupled with unmatched reliability in the field.

*“ 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. ”*

**Maria Gil, CEO of Adevice**



**Saft**

26 Quai Charles Pasqua  
92300 Levallois

Tel: +33 1 58 63 16 00

www.saftbatteries.com

metering@saftbatteries.com

Document N° 31161-2-0917

Edition: September 2017

Data in this document is subject to change without notice and becomes contractual only after written confirmation.

Photo credits: © Saft, © Adevice