



# Long term tracking of shipping containers and their cargo

Real-time data require superior battery power for smart monitoring devices

## Key benefits for Traxens

- Risk mitigation with a mature and proven technology
- Provide sustainable ROI for Traxens' customers
- Differentiation of Traxens' product and service to its end-users

## Features of Saff's power solution

- 30-year track record in primary lithium technology with unmatched reliability
- 7-year lifetime verified by a unique mathematical model that has been correlated with field results
- Unique value proposition able to withstand the toughest environments in worldwide multimodal transport

## The challenge: Ensuring 24/7 visibility of shipping containers

Lack of real-time, end-to-end visibility is a major issue in today's global supply chains. Missing data on a shipment's status can result in significant losses.

Traxens is an expert in providing high-value data and services for the supply chain industry via an IoT sensor which, when fitted to normal ISO containers, turns «dumb» container into a «smart» container. Known as the Traxens-Box, the transmitting device is permanently attached to the dry cargo container. The device assists in keeping cargo secure by providing data to registered customers

such as a cargo's temperature, humidity, exposure to shocks and vibrations, as well as door opening and closing. Data is transferred to a cloud-based platform which is accessible in real time. To ensure an uninterrupted flow of this crucial data, Traxens needed a robust battery for its transmitting device. Knowing that a container's lifespan is approximately 10-14 years, it was a fundamental requirement that the battery life had to match that of the container as closely as possible.

## The solution: Saft LSH batteries.

Traxens selected, among others, Saft's LSH battery range for the mass

deployment of smart shipping containers to drive down costs and optimize supply chain management for cargo operators. Saft's primary Li-SOCl<sub>2</sub> series provide the ideal solution with excellent pulse capability enabling long-range communication, coupled with unmatched reliability in the field.

“*Saft batteries were one of the obvious choice to ensure the successful implementation of our smart container solution. Their performance, reliability and long lifetime are definitely a good match for the lifespan of the containers they help to track.*”

**Michel Fallah, President, Traxens**



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