



Digitalization at the heart of the supply chain

Li-MnO₂ primary lithium battery technology, an ATEX-certified solution to track and monitor extremely hazardous goods in unpowered assets such as rail cars and tank containers

Key benefits for Ovinto

- An ATEX-certified solution, made to endure the challenges of multimodal transport, even in hazardous areas
- Risk mitigation with the choice of a mature technology to ensure the efficiency and accuracy of the tracking devices at all time
- Long range data transmission for an unmatched tracking performance

Features of Saft's power solution

- Comprehensive and bespoke ATEX-certified battery operating under temperatures from - 40°C to + 72°C
- A lithium-manganese dioxide (Li-MnO₂) chemistry that stands the test of time
- High pulse capability battery, matching power requirements of long range communication protocols

The challenge: Unlocking the potential of digital technologies to elevate the rail and intermodal freight supply chain to a new, higher level of performance

The supply chain has been undergoing significant digital disruption during the last few years. Founded in 2010, Ovinto has been a key player of this digital transformation by developing a proprietary, satellite based, ATEX-certified, monitoring and telemetry technology that enables a permanent visualization and control over fleets. Their solution focuses on tracking and monitoring extremely hazardous goods in unpowered assets such as rail cars and tank containers. To create 100%

visibility in the supply chain, sensors are installed on the carriages and capture critical data such as temperature, pressure, shocks etc. as well as their exact location. The data is immediately transferred, via encrypted satellite communication, to Ovinto® Servers from where it can be analyzed and relayed to the customer, with the objective of making the supply chain management faster, more accurate, more flexible and efficient. Ovinto's software is reputed to be the best on the market but such performance can only be made possible thanks to highly reliable hardware, i.e. if the autonomous monitoring devices are equipped with reliable batteries. Indeed, these will have to be able to perform frequent measures

and send data over a long range, for a long operating lifetime; features that don't always go hand in hand...

The solution: Saft M 20 Ex SV cell, certified for ATEX applications.

The M 20 EX SV is ideally suited for those demanding high pulse applications that require high power and long operating life, with stable voltage in a -40°C/+72°C environment. The batteries have a proven track record of excellent resistance to passivation, even after long-term storage in uncontrolled temperature environments. The battery is certified according to ATEX and IEC-Ex for use in potentially explosive atmospheres.

“*For a high end manufacturer such as Ovinto, being at the cutting edge of technology meant choosing the best battery. This is the reason why we selected Saft M 20 EX SV.*”

Frederick Ronse, Managing Director, Ovinto



26 Quai Charles Pasqua
92300 Levallois
www.saftbatteries.com
lithiumsales.fr@saftbatteries.com

Document N° 31197-2-0820

Edition: August 2020

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

Photo credits: © Saft, © Adobe Stock © Ovinto