



Saft launches advanced remote monitoring solution for industrial nickel batteries

- Digital remote monitoring solution allows operators to switch from time-based maintenance to condition-based maintenance
- Up to 75 percent fewer site visits mean significant savings and optimization of capital expenditure

Paris, March 2nd, 2020 – Saft has launched Intelli-Connect™, a powerful digital monitoring solution that allows battery fleet operators to remotely monitor the condition of a limitless number of nickel-technology batteries.

Ideal for scattered and isolated sites, Intelli-Connect™ features advanced State of Charge and State of Health proprietary algorithms that display real-time status of the batteries condition based on measured temperature, current, voltage, and electrolyte level. Operators can log in locally or via a web app to review data, graphs and charts.

The solution allows operators to shift from time-based to condition-based battery maintenance, which saves operational expenses with 75 percent fewer site visits. Capital expenditure is also optimized as batteries are only replaced when needed. With nickel batteries already providing a long and reliable lifetime, Intelli-Connect further reduces their Total Cost of Ownership (TCO).

According to Olivier Amiel, Saft Marketing Director, “Saft experts developed the Intelli-Connect algorithm using our 100 years of experience of nickel-technology batteries in the field. The solution helps customers plan their maintenance activities more efficiently and maximize the lifetime of their batteries.”

Data collected by Intelli-Connect is stored and analyzed in the highly secure Microsoft Azure cloud solution – also used by major industrial high-tech companies such as Total – which offers data encryption and cybersecurity. The monitoring device provides three modes of connection: LAN connection (Ethernet), 2G/3G modem, and satellite modem to offer instant access to data from anywhere.

Saft's experts can provide additional services by analyzing the data collected to help optimize battery life. For example, if the battery room overheats, they will advise operators to reduce the temperature. Or if the temperature is not homogenous throughout a battery string, they will suggest parameter adjustments. These experts can also use Intelli-Connect to detect a charging voltage that could cause overconsumption of electrolyte.



*For more information
on Intelli-Connect,
click [here](#) and watch
our video.*

About Saft

Saft specializes in advanced technology battery solutions for industry, from the design and development to the production, customization and service provision. For 100 years, Saft's longer-lasting batteries and systems have provided critical safety applications, back-up power and propulsion for our customers. Our innovative, safe and reliable technology delivers high performance on land, at sea, in the air and in space. Saft is powering industry and smarter cities, while providing critical back-up functionality in remote and harsh environments from the Arctic Circle to the Sahara Desert. Saft is a wholly-owned subsidiary of Total, a leading international oil and gas company and a major player in low-carbon energies.

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