RENEWABLE

PROCESS EQUIPMENT

ROBOTIC

UTILITIES

Faster and better Decisions

MoonStone Insight for Insight Information

LYRAGate and **MoonStone Blue** for Less but Pertinent Datasets

LYRASens for Barrier free Access to critical Data

PRODUCTS OVERVIEW

EMPOWERING YOUR 4.0 STRATEGY WITH
SIMPLE AND SMART SOLUTIONS

Your benefits?

Simple and Smart Digital Architecture to support your decision making process.

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Solution

Our solution consists of the proprietary products branded LYRA (LYRASens, LYRAGate) and MoonStone (MoonStone Blue and MoonStone Insight).

LYRASens reduces the barriers to access to critical data.

LYRASens is an autonomous wireless sensor designed to capture temperature and vibration signals on 3 axis. Its built-in high-end MEMS sensor and its robust metallic basis grants for its excellent sensitivity and accuracy

even for the measurement of ultra-low frequencies. It acquires raw and trend data.

LYRASens is powered by two batteries ensuring 5 years of maintenance free operation. Its installation costs are 30% to 70% below cabled sensors. Limited hardware and cabling, installation by non-expert personnel, remote commissioning and short equipment downtime are the main drivers.

Data generated by LYRASens is collected by *LYRAGate*. Its radio range is 10x larger than Bluetooth, it collects data

from multiple LYRASens and other analogue and digital signals at the same time (<0.1ms) on schedule, on event or on demand. Therefore, less but pertinent data is collected in a structured manner for its effective post-processing by AI-algorithms.

Additionally, LYRAGate acquires digital and analogue signals. A PoE Ethernet connector allows to connect and power a modem with one single cable to get internet access.

MoonStone Blue is our scalable cloud platform used to store data, to

remotely configure all LYRA devices and to visualise trend and raw data (time, FFT, envelop and wavelets) over a web-app. On demand, data can also be stored on a private cloud.

MoonStone Insight is our AI-based data processing platform. MoonStone Insight processes data automatically using open source algorithms. The results are Insight Information published in form of customised reports and smart KPIs, that can be made available over APIs.