



SMART SENSOR GATEWAY

Automatically collects data from a high number of Smart Sensors and transmits the data to the cloud for processing.



WEB PLATFORM

WEB PORTAL

APP - SMARTPHONE

INTUITIVE INTERFACE

Users can check the status of their motors at any time with their smartphone via web or app.

RED

● Critical issue – failure likely soon. Take action as soon as possible.

YELLOW

● Operation can continue but the motor should be watched closely and serviced at the next possible opportunity.

GREEN

● Motor fine – operation can continue.



Sea-Land since 1990, is committed to study, realize, industrialize and produce electric pumps. All our products are entirely produced in Italy in the factory which occupies a 3800 m² surface of Torreglia in the province of Padua. Sea Land offers solutions for domestic and civil use and for irrigation and industrial plants, with pumps capacity ranging from 2m³/h to 1800 m³/h.

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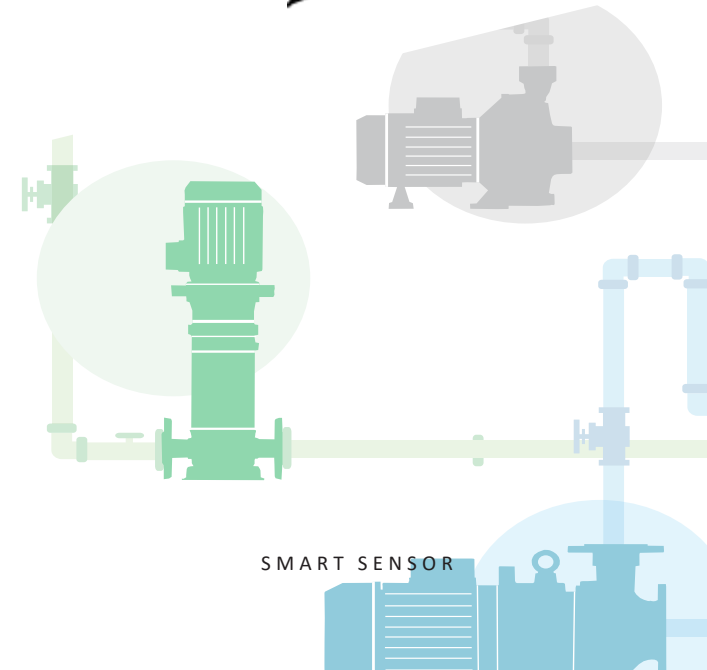
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In collaboration with



NOTA[®]



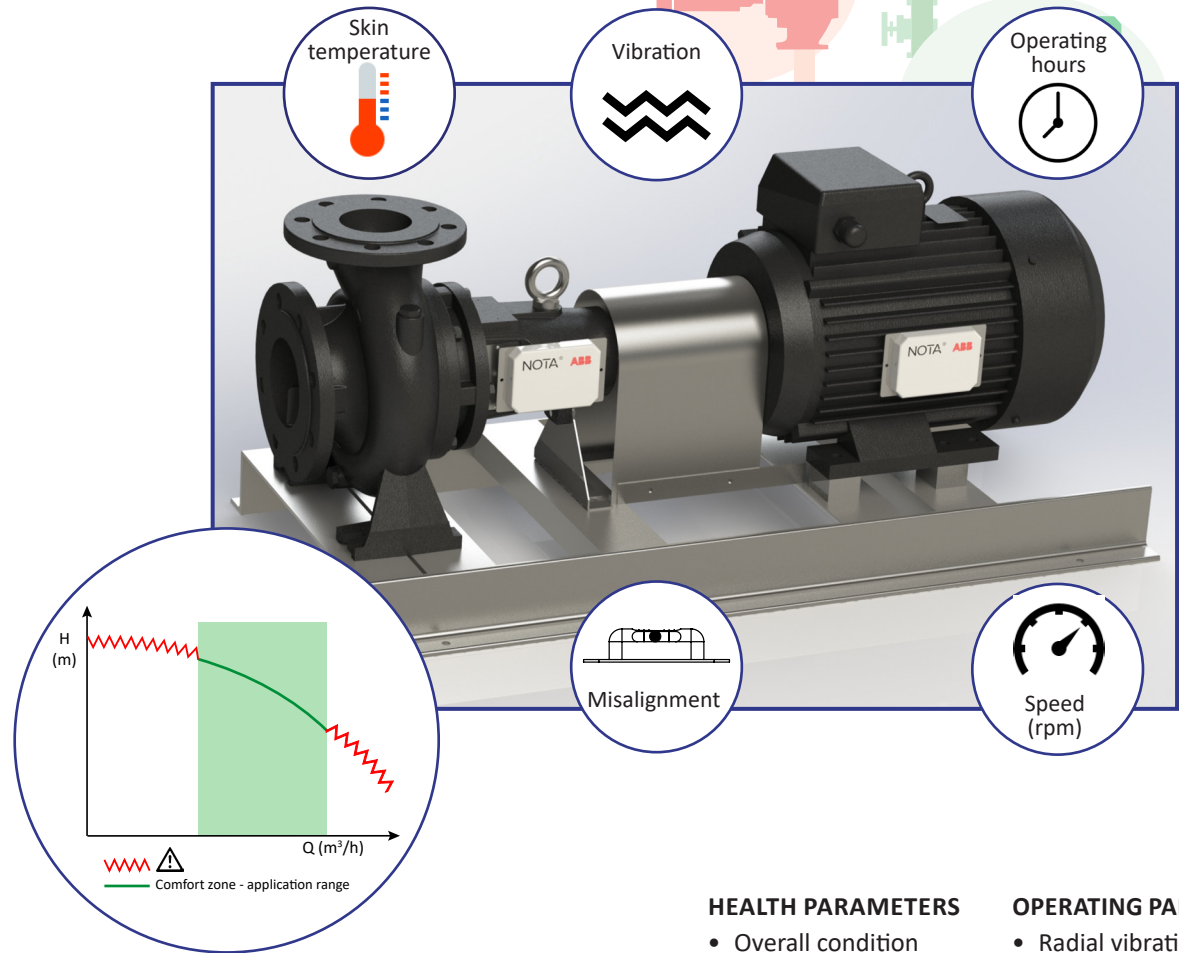
SMART SENSOR



The NOTA® for pumps is an intelligent sensor for pump experts wanting to improve their business by identifying inefficiencies within pumping systems and by reducing risks related to operation and maintenance. It provides information that can be utilized by a pump expert to plan maintenance according to actual needs rather than based on generic schedules.

BENEFITS

- Identify inefficiencies within the system
- Reduce risks related to operation and maintenance
- Prevent unexpected downtime
- Extend equipment lifetime
- Better safety



CONDITION MONITORING FOR PUMPS

HEALTH PARAMETERS

- Overall condition
- Overall vibration (velocity rms)
- Bearing condition
- Misalignment
- Unbalance
- Looseness
- Blade problems
- Cavitation (under development)
- Flow turbulence (under development)
- Skin temperature (degrees)

OPERATING PARAMETERS

- Radial vibration (velocity rms)
- Tangential vibration (velocity rms)
- Axial vibration (velocity rms)
- Speed (rpm)
- Operating hours
- Number of starts