



### 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.



Since 1990 Sea-Land S.r.l. is committed to study, realize, industrialize and produce electric pumps. All our products are entirely made in Padova - Italy , the world's leading electric pumps manufacturers area. Sea Land offers solutions for irrigation, industrial plants, domestic and civil use, with pumps capacity ranging from 2 m<sup>3</sup>/h to 1800 m<sup>3</sup>/h.

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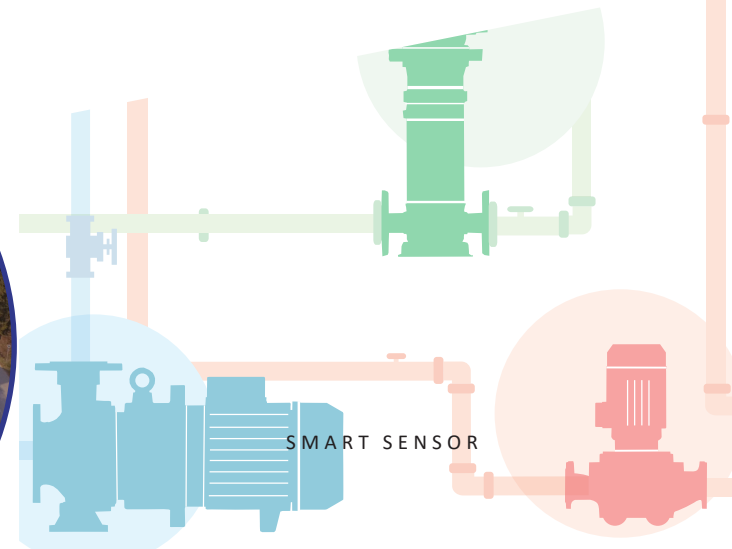
[www.sixteam.com](http://www.sixteam.com)



In collaboration with



# NOTA<sup>®</sup>



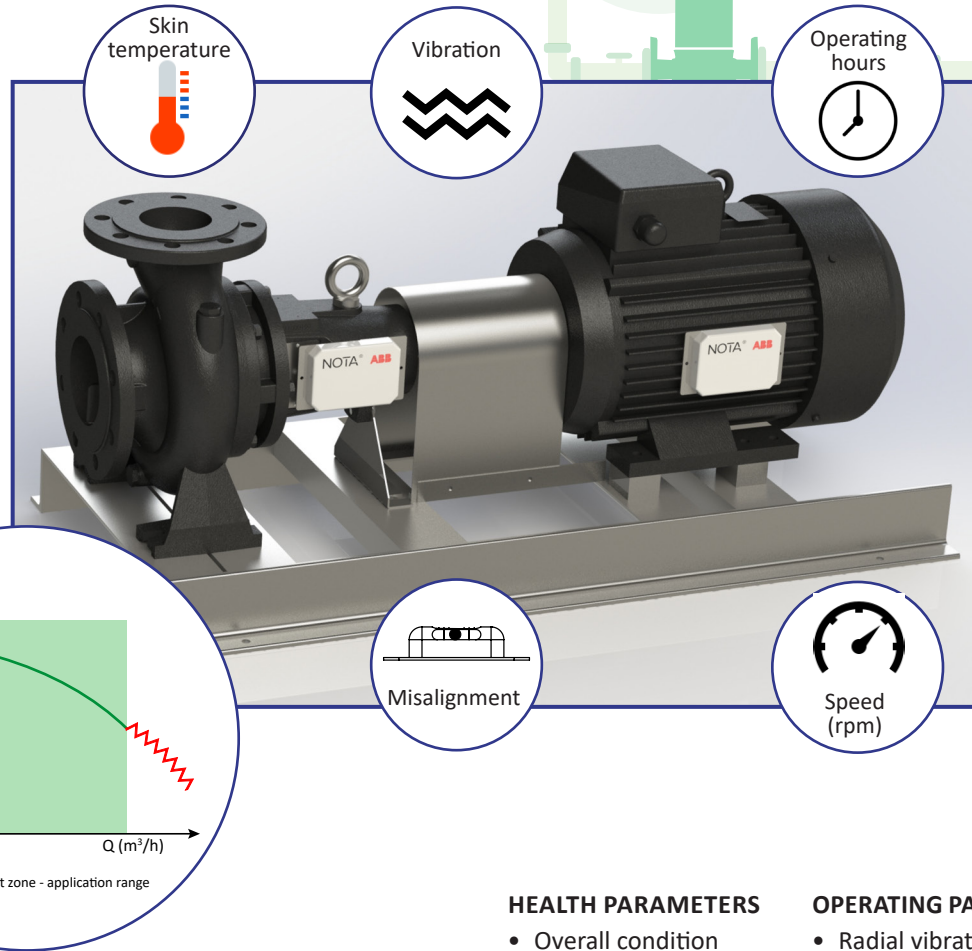
SMART SENSOR



NOTA® is an intelligent sensor for pumps and motors that monitors the health of them, optimize efficiency, and improve reliability and safety. It helps to reduce risks related to pump and motor operation and maintenance by identifying inefficiencies in the system. It provides information that can be utilized by a 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
- Continuous efficiency monitoring



## 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