



OMAL S.p.A.
Roderigo Salario
Brescia ITALY

Code: 5.5 bar 8 bar
80 PSI 116 PSI
Pnom = Pmax =
Tmin = -20°C +80°C
-4°F +176°F
Tmax =

RACKONEX



1 20 Ex h IC T6, T3 Qs X
1 20 Ex h IC T85°C, T175°C Qs X
Tech. file N. RK.19

RACKONEX®

**FIRST RACK&PINION ACTUATOR WITH INTEGRATED
DATA-TRACKING UNIT AND WIRELESS TRANSMISSION.**



RACKON-X

FIRST RACK&PINION ACTUATOR WITH INTEGRATED DATA-TRACKING UNIT AND WIRELESS TRANSMISSION.

The innovative system, developed entirely by OMAL's R&D Department, can record and wireless transmit the key actuator data such as:

- number of cycles;
- temperature variations;
- open-to-close and close-to-open time;
- actuator rotation angle;

This information, stored in the cloud, will be valuable resource for the implementation of remote monitoring and control systems, functions that are now imperative in any automation process: predictive maintenance, remote monitoring of proper opening and closing operations, alerts for deviations from programmed behaviors, malfunction warnings.

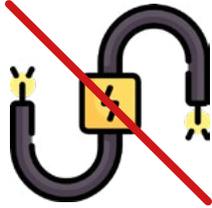
The new **RACKON-X** system consists of an electronic unit integrated into the body of the Rack & Pinion actuator, a wireless transmission gateway and a user-friendly platform **X-EASY** for online data fruition.

The complete system does not need any external wiring, being a pure wireless unit, allowing easy and fast set-up. The actuator unit is equipped with a high-durability battery with a range up to 5 years or 2 Millions events recorded.





YOUR REQUIREMENT, OUR SOLUTION



NON-WIREABLE PLANT



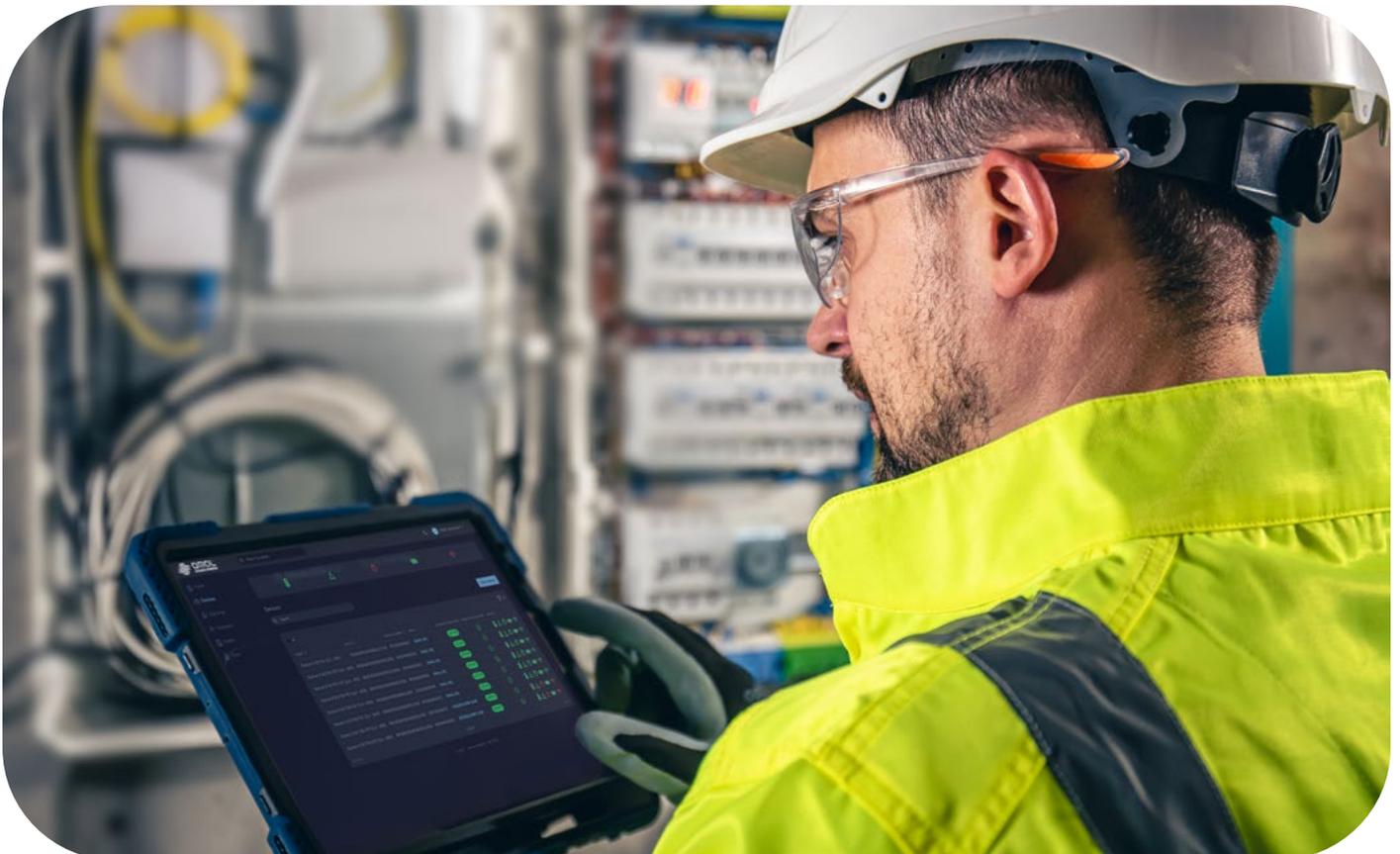
HIGH-MAINTENANCE SKID



SYSTEMS REQUIRING PREDICTIVE
MAINTENANCE

Intelligent wireless monitoring for effective predictive maintenance.

Thanks to wireless technology and data analysis, it's possible to prevent failures and optimize maintenance of industrial plants. A smart approach that reduces downtime, improves efficiency and ensures operational continuity.





FEATURES & BENEFITS

RACKON-X is a smart solution that can help monitoring the processes through operating data collection and alarms, using integrated electronic unit.

Atex UL Certificate.

Easy installation and fast set-up. No need for external wiring, infrastructure and/or professionals.

Integrated storage memory. 2 Millions of events can be recorded and stored.

Anti-tamper system for security of recorded data. The system detects any attempts to tamper with the device or unauthorized removal of the protective cover.

Long-lasting battery self-powered up to 5 years of operations.

Hight performance gateway.

User-friendly platform X-EASY to view and manage data stored in the cloud.

The user can create a scalable system in order to better manage different plants / assets.

No need of complicated software and/or expensive server installation.

Data Confidentiality and Security. The cloud offers the maximum level of reliability for data storage.



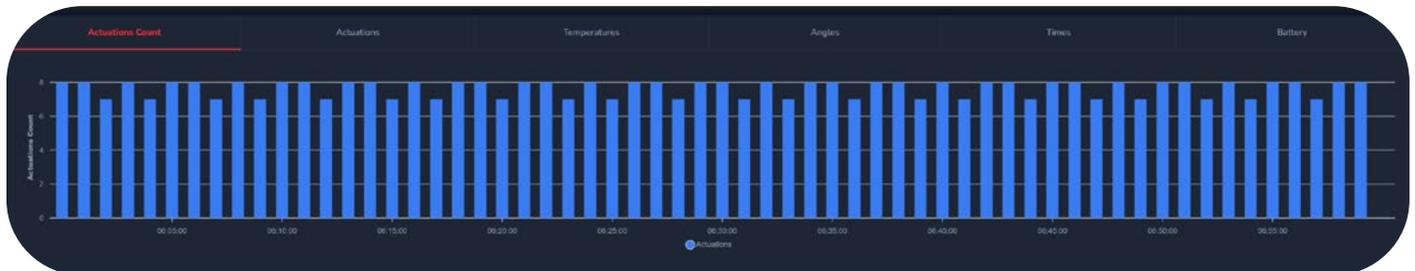
X-EASY PLATFORM

X-EASY platform is the OMAL free-software that allows to collect, manage and analyze data from different **RACKON-X** actuators and display them according to the center of use, plant or application asset.

Actuations dashboard



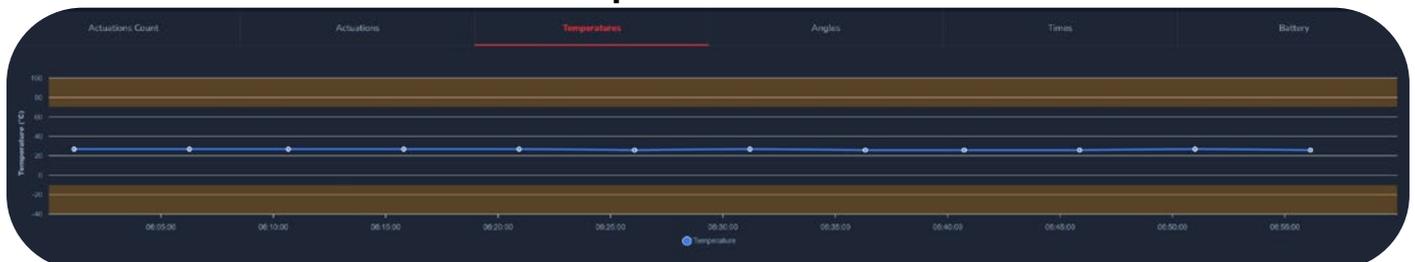
Actuations count



Opening/closing Times



Temperatures trend





OMAL S.p.A. Società Benefit

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