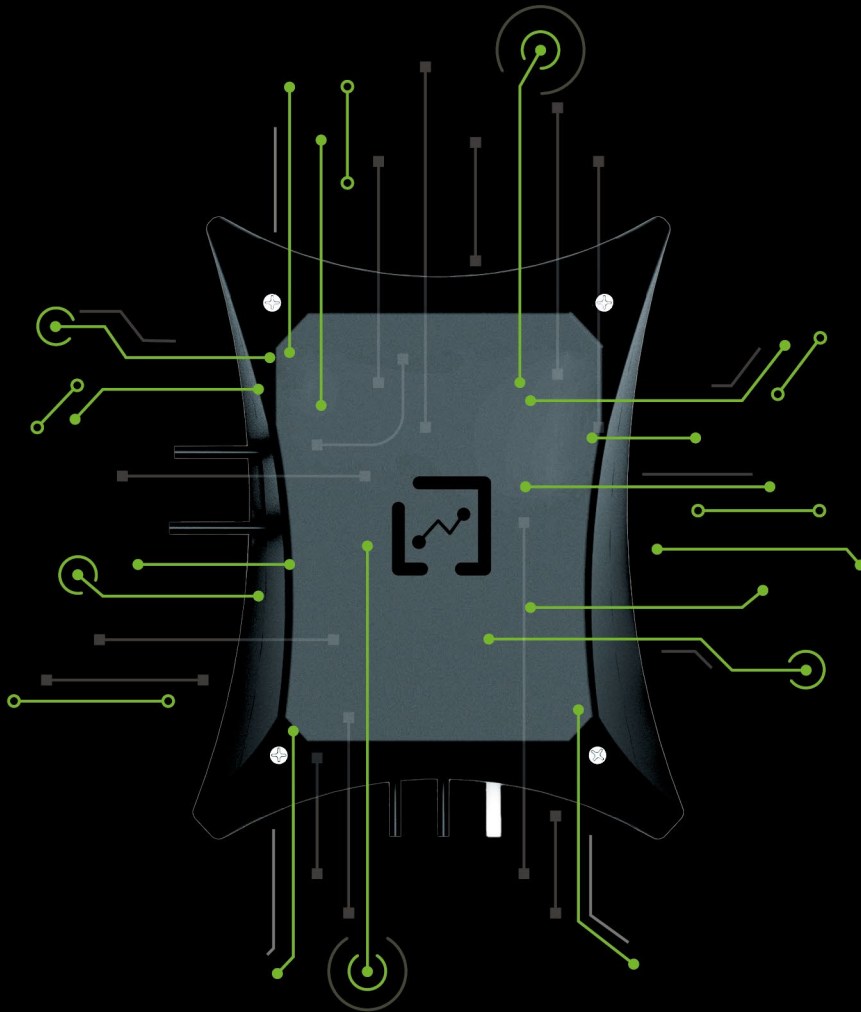


 **DOMUS**

WINNING THE FUTURE THROUGH INNOVATION

INTERACTIVE
CATALOGUE



 **ECOSMART LAUNDRY**

ONNERA GROUP

WHAT IS AN ECOSMART LAUNDRY?

ECOSMART LAUNDRY is the laundry of the future offering you a **comprehensive solution** with total control over every aspect of your industrial laundry. Our machines, equipped with the latest technology, highly efficient and with IoT connectivity, are perfectly integrated into this advanced solution.

With an **ECOSMART LAUNDRY** you can manage your operations proactively and efficiently, optimising resources and reducing costs, all from anywhere thanks to the DOMUSCONNECT platform.

Advantages



Precise management.

Control consumption by laundry, machine or period, and efficiently manage resources.



Improve hygiene.

Monitor temperature, wash times and chemical usage in real time, ensuring a hygienic process that meets RABC standards.



Increase efficiency.

Reduce costs, optimising the use of water, energy, gas and chemicals.



Key factors

Discover on the following pages the 3 key factors that we will explore in depth later.



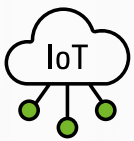
1. Efficient machines and solutions

For an **ECOSMART** laundry to be truly “eco,” it is essential to have efficient machinery and solutions such as the ECOTANK XL and the weighing system, all integrated into an intelligent and connected ecosystem. In this section, you will see how important the ECOTANK XL and the weighing system are.



2. Collect consumption data with LEMS

In this section, you will discover how Domus efficient machinery can be connected with the innovative LEMS pulse concentrator and consumption meters, allowing you to access key data from your laundry in real time.



3. Monitor and manage with DOMUSCONNECT



The data collected by LEMS, together with other metrics and values of your laundry, are integrated into the DOMUSCONNECT platform, which you can access to monitor and control your business live and create detailed management, hygiene and efficiency reports.



1. EFFICIENT MACHINES



Domus **TOUCH II** controlled machines are the best option to turn your laundry into a truly efficient and connected **ECOSMART LAUNDRY**. Designed to integrate perfectly into this smart ecosystem, they offer full control over every operation and guarantee advanced resource efficiency.

-  They are highly efficient, robust and versatile.
-  Equipped with IoT connectivity as standard via Ethernet.





Maximise savings by adding to your ECOSMART LAUNDRY:






Washing machines with weighing system with sensors on the legs.

Automatically adjusts water and detergent consumption based on the actual load, optimising performance on incomplete loads and generating significant savings.

-  Available for washing machines DHS-11 to 120 and barrier washers.
-  Compatible with ECOTANK XL.

ECOTANK XL water recovery tanks.

Maximises the efficiency of water use, reducing consumption by 40-70%.*

-  1000 litre capacity.
-  Highly sustainable.
-  Can be installed on the side or in height.

*Depending on the type of programmes, garments and processes.



2. LEMS by Onnera



The innovative **LEMS** (Laundry Efficiency Management System) pulse concentrator collects information from various **counter boxes** to generate a wide range of metrics about your industrial or self-service laundry. This data is then transmitted via IoT to the **DOMUSCONNECT** platform.

- ✔ **It measures water**, gas and electricity consumption in real time.
- ✔ **Transmits the data** automatically and securely to the DOMUSCONNECT platform.
- ✔ **Connect up to 31 machines** per LEMS concentrator.

Fail-safe.

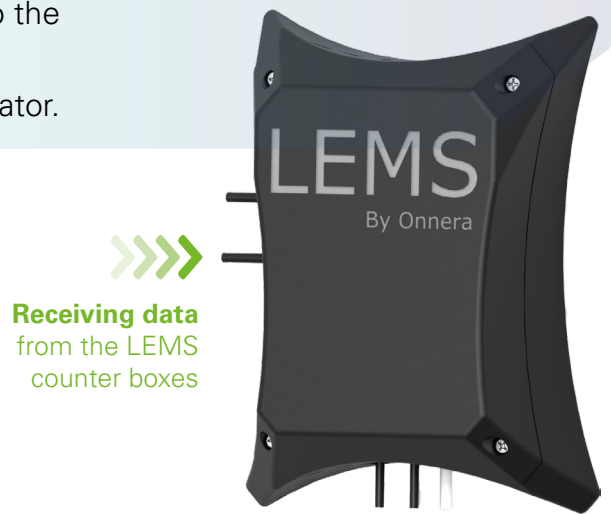
Guarantees data persistence in the event of communication failures, ensuring that important information is not lost.

Reduced size.

Get all the information in real time, without compromising your space.

Wall Mounted.

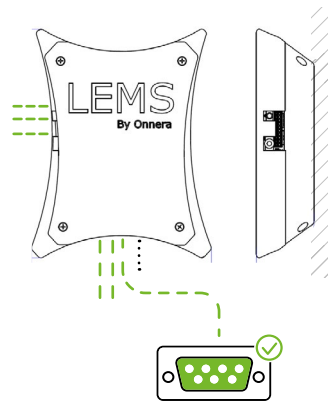
Fixed to the wall with simple RS-485 wiring between the counter boxes and the LEMS.



Receiving data from the LEMS counter boxes



Sending data via Ethernet to the DOMUSCONNECT platform.



LEMS counter boxes

Each machine has its own meter box, equipped with meters that **record the exact consumption of water, gas or electricity** as appropriate.

- ✔ Each meter installed alongside a machine captures and sends consumption pulses (m³ or kW) in real time to the LEMS, allowing for precise monitoring of resource usage by the machines.
- ✔ There are different types of meters depending on what you want to measure (water, electricity, gas), the type of machine, and its capacity.

3. DOMUSCONNECT



DOMUSCONNECT platform.

It is Domus' standard and free IoT platform that integrates and analyses all the data collected by LEMS, in addition to other metrics collected by the IoT. It is key to improving the efficiency and control of your connected laundry.

- ✔ **Receive accurate consumption data and generate management,** efficiency and hygiene reports wherever you are.
- ✔ **Configure and control your laundry remotely.** Programmes, access management, telemetry display and consumption control among other possibilities.
- ✔ **Very versatile.** It allows you to add equipment with microprocessor TOUCH II, M and other machines to incorporate their consumption to the reports.



Dashboard

In the DOMUSCONNECT dashboard, you can select the reports you want and display them on a monitor according to your needs as an information panel.



Connection between the machines, meters, and LEMS via RS-485.

Water, electricity, and/or gas meters.

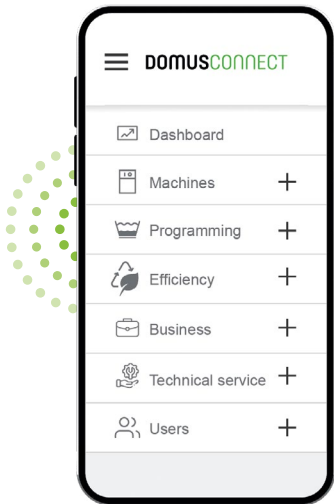
Transmission of the data collected by the LEMS via Ethernet.

RS-485 connection.



All the information collected by the LEMS, and subsequently sent via IoT, on the dashboard of the DOMUSCONNECT platform.

You can organize the graphs into groups, either by using the predefined categories of efficiency, management, and hygiene, or by creating your own groups easily and intuitively.



View reports in real time

Management

Control consumption by laundry, machines or period.

LEMS by Onnera Pulse Concentrator

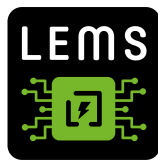
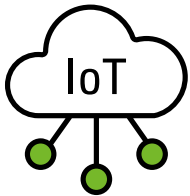
Reception of data from all meters and transmission via IoT.

Efficiency

Optimises the use of water and energy, reducing operating costs and waste.

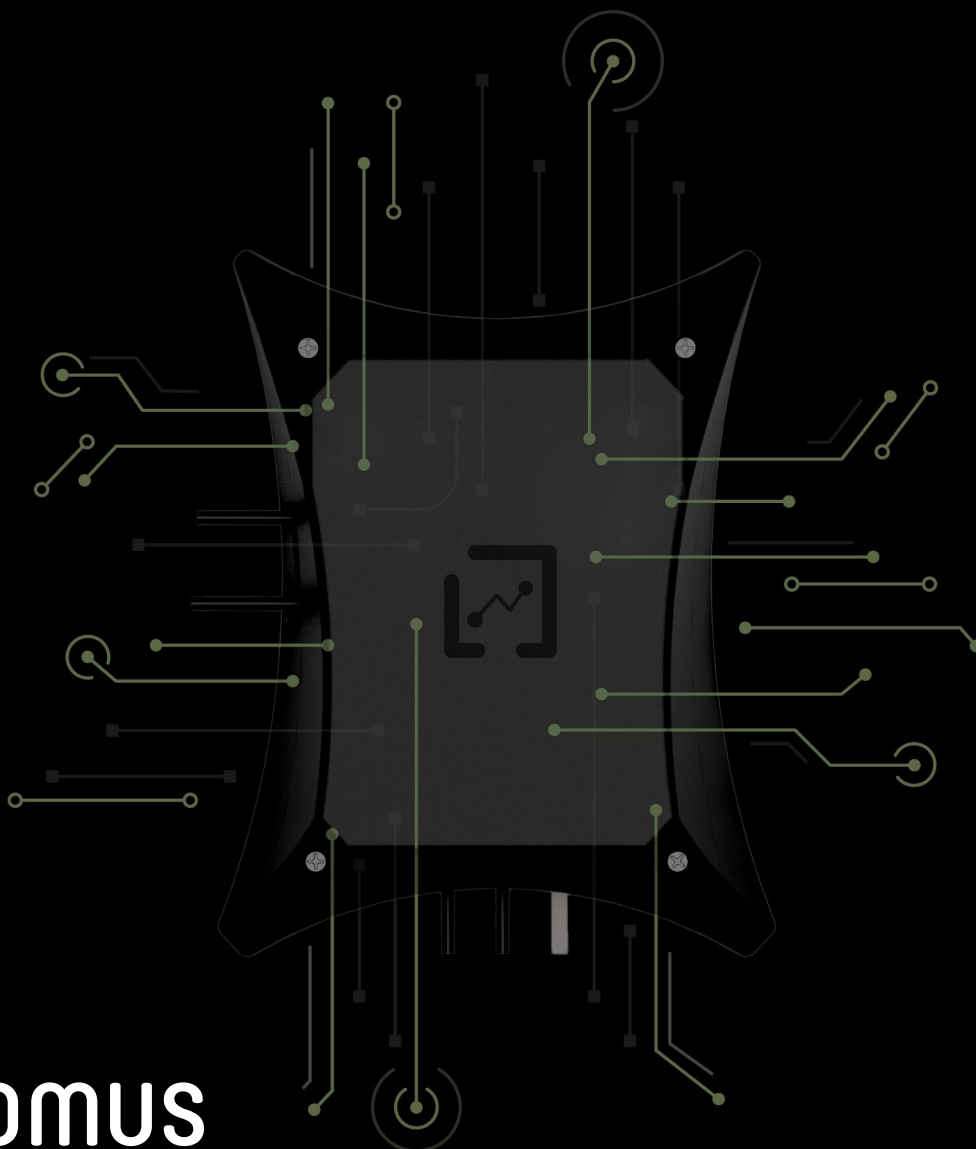
Hygiene

Monitors the appropriate levels of resources for optimal hygienic washing.



RS-485 connection.





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