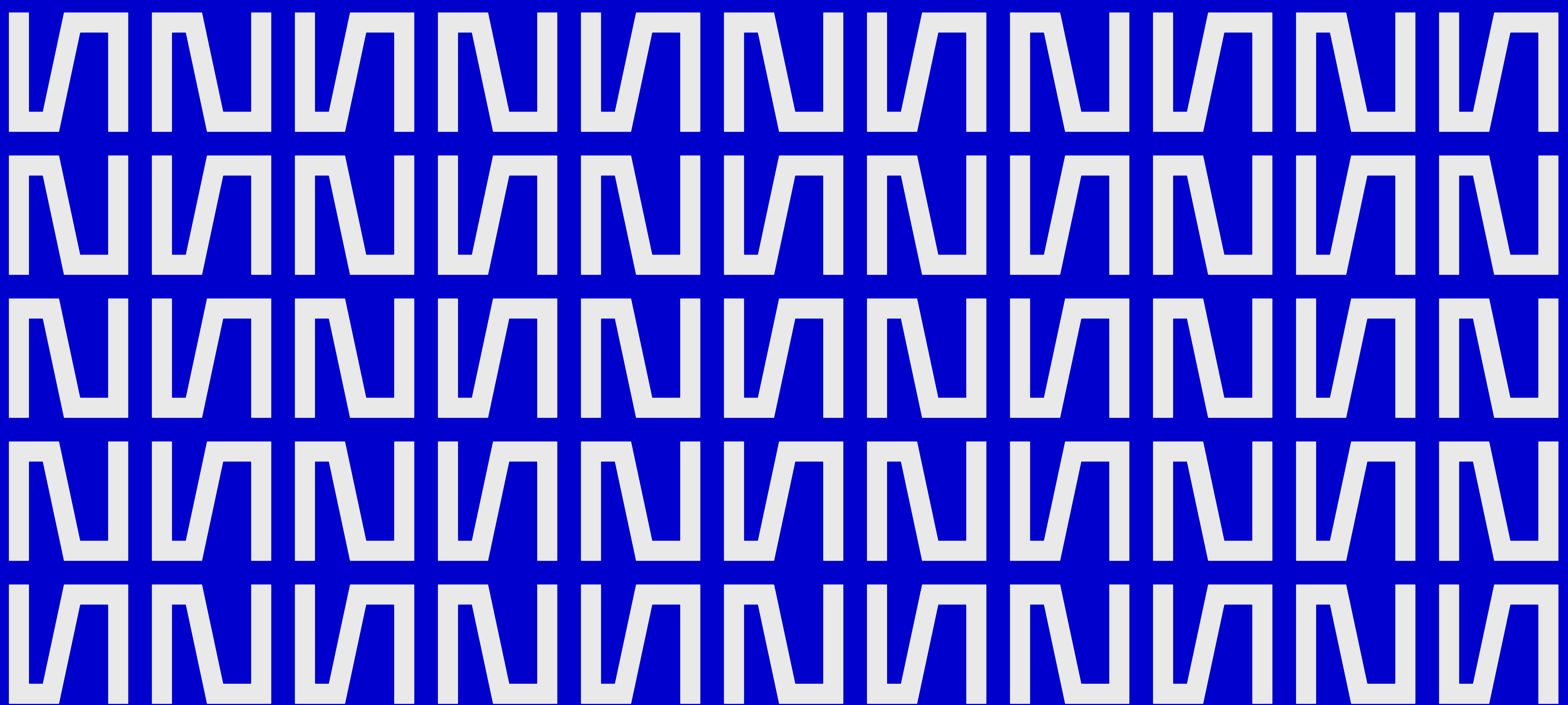




NESS
by NEU-JKF

CLEAN AIR.
PURE EFFICENCY.



NESS

Based on years of experience in industrial dust collection processes, together with a leader in the furniture industry, NEU-JKF is developing advanced solutions for optimizing the energy consumption and improving efficiency of dust collection systems.

NESS is a system where innovation meets engineering, creating solutions that ensure maximum efficiency and an environmentally friendly approach to production.



What is NESS?

Intelligent Control of the Dust Extraction Facility

NESS monitors the production process and adjusts the operation of the dust extraction system to ensure optimal airflow with minimal energy consumption. This increases productivity and reduces costs. The system automatically adjusts fan operation based on pressure sensor readings and machine data, adapting parameters to changing production scenarios. NESS is fully automated and requires no additional supervision.

Flexibility and Adaptability

NESS can be implemented as an integration with existing installations or as part of a complete new dust extraction system. It allows the connection of an unlimited number of machines and filtration units, maximizing savings and adapting to various needs.

Support in Modernization

With our experience in energy optimization of dust collection systems, we offer a preliminary study of the current system and advice on retrofitting to achieve maximum energy savings in the shortest possible payback time.

Monitoring and Control

The system provides easy monitoring and adjustment via a touch screen or remotely via the Internet. This allows for quick response to changes and online technical support. NESS collects process data, allowing you to track machine performance and energy consumption to optimize processes and increase productivity. It enables real-time monitoring, visualization and tracking of performance, effectively managing energy consumption and production.

Energy Saving Concepts

NEU-JKF offers not only an energy consumption control system, but also energy saving concepts, taking into account the replacement of dust collection equipment, leading to additional benefits.



Why it's worth it.

NESS guarantees the optimization of production processes, resulting in increased efficiency and significant cost savings. By choosing NESS, you are investing in innovation that brings tangible benefits to your facility. With advanced energy-saving features, NESS contributes to a more sustainable and environmentally friendly industrial operation.

Significant Energy Savings

NESS reduces energy consumption by up to 80%, compared to traditional dust extraction systems, resulting in significant cost reductions by adapting to actual production needs.

Reduced Maintenance Requirements

Reduced airflow means less frequent cleaning of filter bags and less wear and tear on the system, extending component life and reducing maintenance costs.

Profit

N

Reduce electricity consumption

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Process optimization

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Extended filter bag lifespan

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Noise reduction

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Lower building heating costs

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Increased control over the production process

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Potential for reduced investment costs

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Eco-friendly solutions and sustainable production

Features

- 23.8" touchscreen
- Menu available in PL, EN, and 7 additional languages
- Control system based on SIEMENS PLC
- Remote access
- Possibility of simultaneous connection of many machines, ensuring uninterrupted and efficient operation of the entire plant, regardless of production scale
- Efficient operation of multiple dust extraction systems at the same time
- Intuitive user interface for easy navigation and access to key information
- Customized interface
- System retains historical data for analysis of savings and production process (machine operation)
- Error monitoring and alerts



NESS

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