REX CONTROLS www.rexcontrols.com

# 7 Key Features

of REXYGEN

## Weidmüller Hardware

### Modularity and Performance

M3000/M4000 is a versatile platform that delivers great performance. When combined with REXYGEN, it creates a powerful tool for machine and process control that is easy to embrace.

Weidmüller

REXYGEN

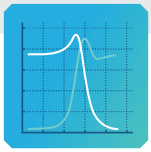
**Reliability** REXYGEN Runtime operates reliably in demanding industrial applications, such as in energy, process control and in the control of machines and mechatronic systems.

**Easy Integration and Communication** REXYGEN supports standard communication protocols such as OPC UA, MQTT, Modbus, CAN/CANopen, EtherCAT, as well as protocols for the Internet of Things (IoT).

**User-Friendliness** REXYGEN Studio is an integrated development environment for graphical design of control algorithms. More than 500 function blocks are available, with their usage demonstrated in over 200 application examples. It also supports real-time debugging of developed algorithms and remote management.

**Deterministic Real-Time** REXYGEN supports execution of multiple tasks in real time with different periods. The shortest execution periods can be under 1 millisecond.

**Quick Adoption** REXYGEN is easy to adopt, as confirmed by numerous users. It is also successfully used by many universities for teaching and research.



PID $H_{inf}$ Lab

## PIDlab

### Advanced Control

REXYGEN provides advanced control algorithms, ranging from PID controllers, adaptive control, and fuzzy logic to predictive control. The world's most likely best autotuners are available for automatic tuning of PI(D) controllers, which can lead to significant energy savings and a substantially reduced carbon footprint, especially in the energy sector. PID Hinf Designer is a tool for designing high-quality industrial controllers, now available for automatic control experts at www.pidblab.com.

SPS 2024 →

REXYGEN

www.rexygen.com

What do you need?

# We Support **All Your Practical Requirements**

Advanced Control

OPC UA

Really working PID autotuning

Deterministic real-time

EtherCAT