

A white roller shutter with a blue photovoltaic panel integrated into its top section. The panel consists of many small, rectangular solar cells arranged in a grid.

# Self-powering roller shutters by Bubendorff

## Smart energy production and management

CEA Tech partnered with Bubendorff, Europe's leading roller-shutter manufacturer, to develop a completely self-powering roller shutter.

The innovative roller shutter is powered by a battery connected to a compact photovoltaic panel. The battery captures the sun's energy, regardless of sun exposure and obstacles like balconies or roof overhangs. The very energy efficient roller shutter can operate for a month between

charges in normal conditions.

A patented algorithm that achieves an optimal balance between overall energy consumption and battery life is responsible for the roller shutter's stellar performance. And, because the roller shutter is completely off-grid, it does not require any wiring, making it extremely easy to install.

The roller shutter will target a very broad market encompassing new construction and building renovation projects.

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