

Smartgrids

The smartest way towards green electricity consumption

You want to:

- Boost your green energy production and auto-consumption
- Reduce your energy bill
- Develop energy flexibility
- Generate revenues from arbitrage & grid services
- Give a green image to your business
- Enhance secured energy access
- Reduce your exposure to energy price volatility
- Limit renewable energy production curtailment

You are active in:

- Process
- Manufacturing
- Material building
- Agro-fooding, incl. food & beverage
- Logistics & Warehousing

John Cockerill's Integrated Energy Systems are the Solution!

We offer:

- A comprehensive and integrated energy system behind the meter, combining technologies, designed, sized and delivered to produce green and dispatchable energy
- A solution managed by an Energy Management System (EMS) to maximize benefits in a value stacking approach (combination of savings and revenue streams)
- A proven track record, based on industrial references and on the John Cockerill MiRIS green energy station that displays John Cockerill's expertise in the design, implementation, and operation of a micro-grid in real conditions
- A combination of proven technologies, with a high level of flexibility and ready for future upgrades



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Market Applications

- Mature markets with high electricity prices, price volatility and available grid service revenues
- Markets with high electricity prices and abundant solar resources
- Markets with high renewable energy penetration requiring grid flexibility, dispatchable power and/or investment deferral

Your Benefits

- Maximise green electricity production
- Reduce exposure to energy prices volatility
- Limit renewable energy production curtailment

Key Features

- Power system from 1 MW/2 MWh up to 30 MW/60 MWh
- Photovoltaics: rooftop, carport, floating
- Battery Energy Storage System (BESS): Li-Ion, NaS
- Electrical vehicle chargers (cars & trucks)
- Energy Management System (EMS)



Our Approach

From diagnostic, feasibility study, concept design, to EPC delivery, financing and O&M services, John Cockerill supports its clients on the whole value chain with a one-stop-shop, enabling them to achieve their targets in terms of performance, safety, delivery, and financial return.



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