

Power & Storage



The Power to Charge the World!

Our Offer

With its 15-year-experience in renewable energy, John Cockerill Energy is a solution provider, covering the full value chain, ranging from **FEED** study to turnkey **EPC** delivery, **O&M** services, and **aftersales** support.

Our experts design, supply and install innovative green and thermal energy solutions, including renewable energy production, energy storage, green heat production and energy recovery, run by our in-house developed Energy Management System (EMS).

Our approach is based on techno-economic modelisation to design profitable energy systems with dispatchable power, combining technologies & use cases, in a value stacking approach. We act as a solution architect to design the right solution and deliver the energy system as EPC integrator.

Our solutions allow our customers to reduce their energy bills and decarbonize their operations.



Your trusted OEM and EPC Partner

- Supply of premium components with tier 1 original equipment manufacturers
- High quality after-sales support
- Turnkey solutions for clean energy generation and storage with seamless integration, minimal downtime, and maximum performance

John Cockerill offers solutions from FEED studies to turnkey EPC delivery, O&M services, and aftersales support.

Renewable Architect Solutions Designer

Feasibility Studies: we thoroughly assess the technical, economic, and environmental feasibility of your energy projects. Our team integrates site-specific conditions and constraints, resource availability, and regulatory frameworks to evaluate your projects viability.

Business Case Analysis: we delve into the numbers, analyzing investment costs, operational expenses, and revenue projections. Our business case assessments provide clarity, helping stakeholders make sensible decisions.

Proposal Development: designing convincing proposals is our force. We tailor solutions to meet client needs, emphasizing efficiency, sustainability, performance, and cost-effectiveness. Our proposals outline technical specifications, financial models, and expected returns.

Project Implementation: from groundbreaking to commissioning, we oversee every aspect of project execution. Our hands-on approach ensures seamless integration of renewable energy systems into existing and efficient infrastructure.

Aftersales Services: our teams offer ongoing support, maintenance, and performance monitoring to assist you during the whole lifecycle of your energy systems.

Our experts ensure:

- Product Maintenance
- Warranty Support
- System Upgrades
- Emergency Response
- Remote Assistance
- Service Level Agreement



Your Benefits



Holistic Approach

We consider the bigger picture: aligning renewable solutions with organizational goals, and designing the solutions that will meet your needs and requirements.

Technical Excellence

Our experts in renewable technologies, drawn on John Cockerill's broad, cross-sector knowledge to drive impactful, sustainable innovation.

Risk Mitigation

Rigorous analysis minimizes risks, ensuring successful project outcomes. We propose comprehensive projects, limiting various interfaces for clients between packages.

Pioneering Sustainability

We're working tirelessly for a greener and sustainable future. From solutions architect to project implementation, John Cockerill is your partner in sustainable energy transformation.

Our portfolio of solutions



Off-grids & Smart Grids

- Design, development, and delivery of comprehensive and integrated energy systems behind the meter
- Combination of technologies (photovoltaics, battery energy storage systems) sized to produce green and dispatchable energy
- Bi-directional grids specially designed for remote areas with harsh conditions, such as arid, hot, or sandy climates
- Development of a pre-cabling solution ready to plug-in
- These systems managed by an Energy Management System (EMS), entirely designed by John Cockerill

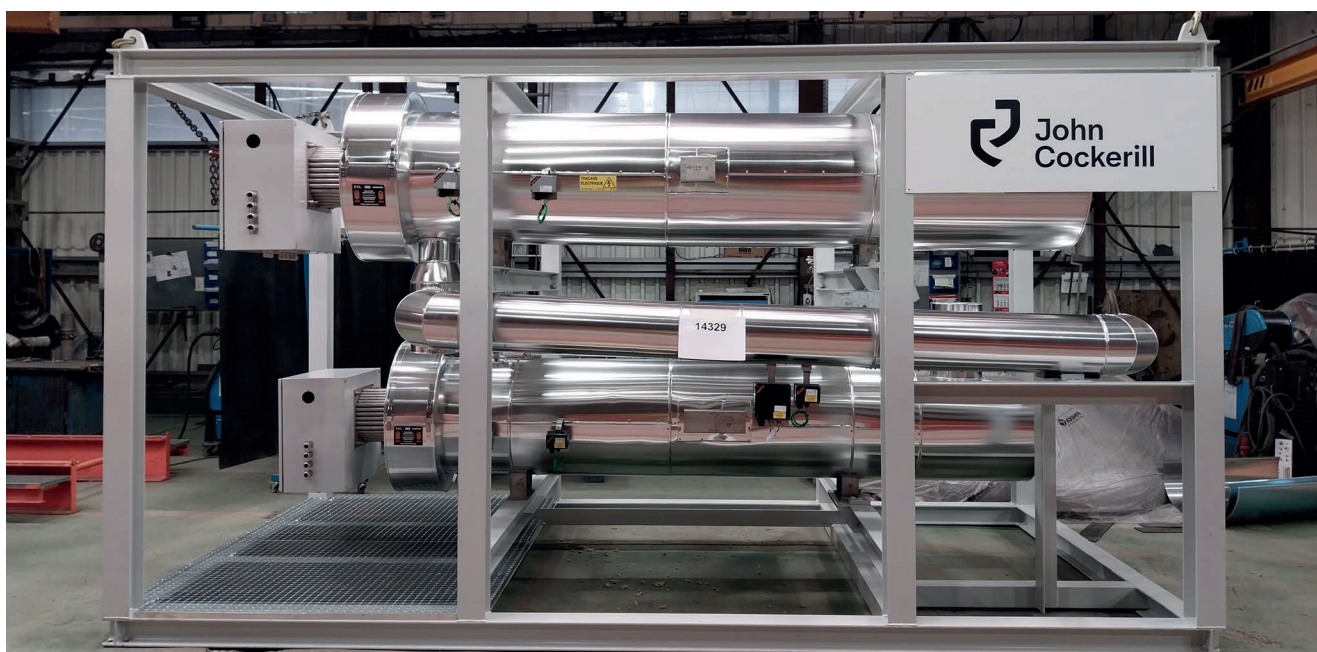
**The
smartest way
towards green
electricity
consumption**



Green Heat



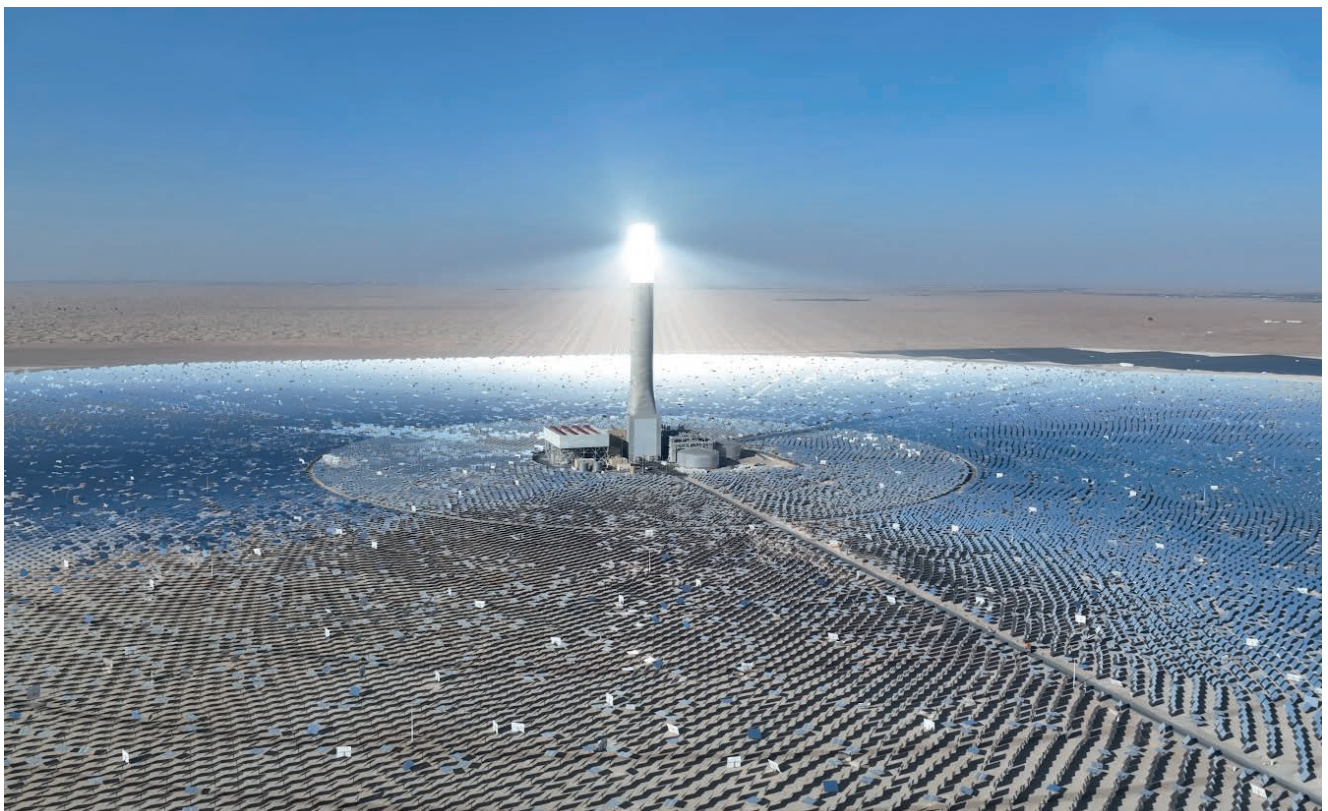
- We maximize heat generation and transfer, from solar energy capture to industrial process optimization.
- Our tailored solutions use renewable energy with storage to balance costs and demand, offering heat or steam supply.
- Temperature-adapted energy storage:
 - molten salt for medium temperatures (up to 600°C)
 - solid material for higher temperatures
 - hybrid solutions, including stand-alone CSP technology





Concentrated Solar Power (CSP)

- John Cockerill is a worldwide leader in the design and supply of thermal solar receivers.
- Conversion of concentrated sunlight into heat for electricity production or industrial processes
- In-house designed thermal solar receivers
- Equipment for steam generation, thermal storage, and solar thermal receivers using molten salts or water for steam production
- Our custom solutions ensure efficiency, resilience, and adaptability to specific project needs and conditions, including turnkey options

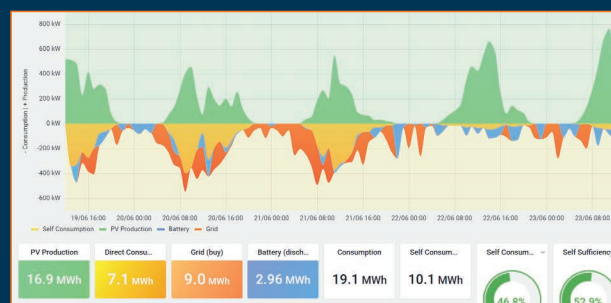


A white refrigerated container is shown in a storage yard. The container has 'MAX GROSS 1000 kg' and '2000 kg' markings on its side. A silver step ladder is leaning against the front of the container. The container is parked on a concrete surface, and there are other containers and a fence in the background.

- ## How to maximize your Benefits with the EMS?

The EMS optimizes performance, efficiency and profitability.

Through forecasting, predictive maintenance, and real-time analytics. It maximizes benefits by balancing fuel savings and revenue streams. It determines optimal battery charging and discharging based on demand, weather conditions, and energy prices.



Towards a more Sustainable World

John Cockerill's expertise in energy production dates back to 1817. Its leadership in the design and supply of steam generators has been recognized worldwide for decades in the market of power generation. Resolutely turned towards the future, entrepreneurship is key at John Cockerill.

We are committed to respond to the needs of our times by developing innovative technical solutions to facilitate access to **low-carbon energy**, accelerate the **energy transition**, **reduce emissions** and help you produce **sustainably**.

Discover our other specialities in power generation:



HRSGs & Boilers



Cooling Solutions



Solids & Waste

John Cockerill Energy Worldwide

Belgium – France – Spain – United Kingdom – Saudi Arabia – India – Vietnam – Indonesia – South Korea – USA – Brazil



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