

INFORMATION ABOUT THE EXPERT

ORGANISATION	CMI Energy Storage
ADDRESS	Avenue Greiner, 1 – B4100 Seraing (Belgium)
TYPE OF PARTNER	Large company
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POSITION	Project Funding Manager

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EXPERTISE OVERVIEW

TOPIC(S) OF INTEREST:

LC-BAT-4-2019 : Advanced Redox Flow Batteries for stationary energy storage
 LC-BAT-3-2019 : Simulation and Modelling for Redox Flow Battery Development

HEADLINE:

CMI participates in the Energy Transition with an enhanced Energy Storage System.

POTENTIAL CONTRIBUTION:

CMI (Cockerill Maintenance & Ingénierie) is an **international technology and service provider**, specialized in **Energy, Defence, Metals, Environment** and **Industry** in general. A **technology driven** company, it also provides **industrial services**.

The CMI Group offers a unique combination of expertise in engineering, in maintenance and in the management of international technical projects, a vast geographic and technological scope, and an ability to innovate in accordance with the concrete needs of its customers. **Based in Belgium**, CMI numbers 6.000 experienced employees worldwide.

In a world in energy transition moving toward a greener, more sustainable, flexible and human size environment, Energy Storage is a game changer, enabling to integrate intermittent renewable energies, supply electricity on demand, secure the grid safety, increase autonomy and reduce the bill, and even to ensure the full autonomy of a region when supplying non-connected areas.

In this field, **CMI Energy Storage** acts as an **EPC integrator**, a **solution provider** to a wide range of customers, such as renewable power producers, micro grid/island grid, grid support, Commercial and Industry.

CMI Energy differentiates from other companies by providing optimized solutions depending on each customer's specific needs and the best technical-economic features, based on reliable storage devices, sometimes with **hybridization** of different technologies. All these functions are controlled through an enhanced and evolutive Energy Management System (EMS).

CMI Energy can offer a range of services from energy efficiency audits to identify the best solutions for your utmost energy utilization to carbon footprint and energy bill reduction.

CMI Energy Storage is currently **building and** will soon be running a **smart pilot micro-grid in Seraing (BE)**, including renewable energy sources (2 MW), combined with 2 types of **flow batteries** and **Lithium-ion batteries** for a total of 4 MWh of energy storage, management by a performing EMS, and supply of services to the electricity networks. The micro-grid could be used as a **test-bed for R&D projects** involving big data, interactive technologies, digital solutions, ...