

FOR IMMEDIATE RELEASE – Wednesday, October 14<sup>th</sup> 2020

## École de technologie supérieure (ÉTS), Polytechnique of Montreal, vadiMUS and Ossiaco join forces for a new approach to renewable energy

Launch of a three-year R&D investment program to support the existing vadiMAP™ and dcbel™ offerings



Montreal, QC: vadiMUS is partnering with ÉTS, Polytechnique of Montreal and Ossiaco to reinforce its vadiMAP™ solution with the support of InnovÉÉ and the Natural Sciences and Engineering Research Council of Canada (NSERC). vadiMUS is a new Quebec company with recognized experts in the energy sector. It offers vadiMAP™, an innovative approach to accelerate the integration of renewables into buildings.

vadiMAP™ is a turnkey solution for commercial, institutional and industrial organizations seeking to realize renewable energy projects on their buildings (also called nanogrids). Typically involving solar energy and storage technologies, nanogrids are configured around the client's objectives to reduce energy costs, outages and CO<sub>2</sub> emissions. R&D efforts will bring several significant improvements to the platform of vadiMAP™, including user experience, NGSE™ (NanoGrid Simulation Engine) and data security.

“Buildings use 40% of the global energy and 60% of the world's electricity today – to convert 10% of the buildings on earth into nanogrids by 2050, we need the right tooling to make the energy transition easy, fast and economically viable for enterprises.” – **Dan Boucher**, CEO at vadiMUS

This collaborative research project will be led by no other than the professor Louis-A. Dessaint, former holder of the Hydro-Québec TransÉnergie Research Chair and the ÉTS Institutional Research Chair in Safety of Electrical Systems.

“To carry out this ambitious project, I brought together an outstanding team made up of four professors, from ÉTS and Poly, handpicked and experts in the fields of intelligent energy management, reinforcement learning and cyber security.” – **Louis-A. Dessaint**, Professor in the Department of Electrical Engineering at ÉTS

Ossiaco, also a Quebec company, will share its expertise in residential energy management. This expertise comes from their dcbel™ product, a bidirectional EV supercharger and powerful solar inverter for homeowners who wish to lower their utility bills and reduce their carbon footprint. This R&D project will catalyze the development of additional features for dcbel™.

### vadiMUS

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A coalition of energy experts have been and will continue to be involved in this R&D investment which will last until mid-year 2023. As everyone remains affected by the pandemic, the economic recovery can take benefit from the development of vadiMAP™ and dcbel™ in Quebec, Canada, the United States, Europe and abroad. For vadiMAP™, this announcement also involves the following contributors, among many others, with a spirit of collaboration to make client organizations more successful and mother earth happier.



## About vadimUS

*Over the past 25 years, the vadimUS team has contributed to top-notch strategic planning and business execution for consumers, suppliers and developers of various sizes from the energy sector. Since 2018, the vadiMAP solution has been at the heart of vadimUS activities. vadiMAP is a turnkey solution for commercial, institutional and industrial organizations seeking to realize decentralized energy projects on their buildings (also called nanogrids). This solution supports organizations in achieving the following goals: 1) lower energy costs, 2) increase resilience, and 3) reduce greenhouse gas emissions.*

### To learn more on vadimUS and vadiMAP

<https://vadimus.biz/vadimap/>

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## About Ossiaco

*Sitting at the nexus of residential solar power, electric vehicle charging, the smart home and customer-centric utilities, Ossiaco leverages its breakthroughs in power electronics to develop elegant smart home appliances that let you power your life on your terms. The dcbel™ family of products, entirely designed and manufactured by Ossiaco, are the first DC chargers developed for residential use that provide EV supercharging, V2H, V2G, and the ability to power your home and EVs with solar from a single device.*

### To learn more on Ossiaco and dcbel™

<https://dcbel.ossiaco.com/#whydcbel>

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