



REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS

Futugrid Technologies OÜ
Järvevana tee 7b
Tallinn

Our Ref: 20.02.2024 No 6-2/490-1

Dear Mr Toomas Valge,

The Ministry of Economic Affairs and Communications is issuing this Letter of Support to the Futugrid Technologies OÜ to acknowledge the necessity of further development of the introduced smart solution for a grid balancing service by leveraging proactive consumption control. This is for several reasons, e.g.:

- Estonia faces challenges related to the desynchronisation from the regional BRELL electricity grid in 2025;
- Options for automatic frequency restoration reserve (aFRR) are limited, both on the production and consumption side;
- There is a pressing need for an effective and agile balancing service in the context of the transition towards renewable power production.

The demonstrated solution of a remotely controlled device developed by Futugrid Technologies OÜ seems to address all these challenges. First, by contributing to the grid frequency containment and therefore energy security. Second, by providing a viable solution of consumption-based aFRR reserve. Third, by complementing power storage solutions needed for increasing intermittent and non-dispatchable power from renewable sources.

Additionally, for its current properties and technical possibilities, the Ministry of Economic Affairs and Communications sees an opportunity for this solution to contribute to the Real-Time Economy (RTE) digital ecosystem. Natively, it has the necessary building blocks intrinsic to RTE solutions based on standardized and machine-readable data exchange in or near real-time.

Futugrid Technologies OÜ has proven that depending on Government-to-Business arrangements, this solution could provide a useful tool for agile power management and distribution also in crisis situations – in near real-time. All this while utilizing the already existing assets in the form of home appliances aggregated into a controlled network.

We encourage the exploration of aspects of the RTE for further development of the solution intended to address the daily optimization needs of end users as well as alleviate the challenges related to state-level energy management and energy security.

Sincerely,

Sandra Särav
Deputy Secretary General for Economics and Innovation