

A modern, two-story house with a dark exterior and large windows, illuminated from within. The house features solar panels on the roof and a battery storage unit on the side wall. The scene is set at dusk, with a dark sky and some ambient lighting from the house and surrounding area.

VOLTS
energy storage

Smart Energy Management and Storage

Series A Financing

TEAM

With vast business expertise and deep engineering mindset we are going to create gridless future!



Alexandr Kiyantsa
CEO

Electrical engineering education, MBA, Young Chief of the year, Falling Walls 2019



Vladimir Mlynchik
CMO

Electrical engineering education, MBA, 10 years of electrical business, Entrepreneur of the year 2017 – Ernst&Young



Artem Denisov
COO

Electrical engineering education, MBA, 10 years of electrical business, Global Entrepreneur Award 2011



Vitaly Mlynchik
Head of Scientific Department

Electrical engineering education, more than 30 years in energy, several electrical inventions



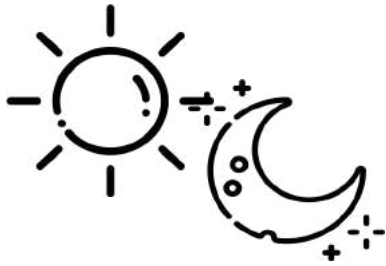
Andrey Polyakov
CBDO

Financial Education and 15 years of project development.

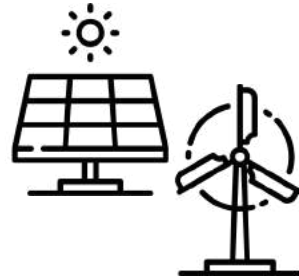
+9 people in R&D and Sales Team

THE PROBLEM

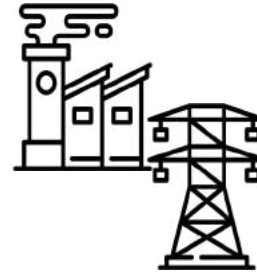
The greater the share of renewable energy and quantity of EVs in the system, the more imbalanced it becomes



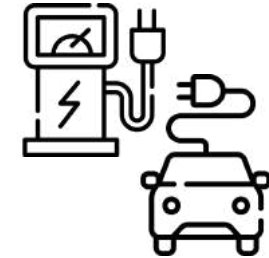
We have overgeneration during the day and overconsumption in the evening



Sun and wind are weather-related, therefore electricity spot prices are unpredictable



Government has to build expensive back up capacities to balance the energy system daily peaks of consumption



Our houses are mostly not adapted for integration smart home solutions and charging EV. Our energy grid is not ready for supplying millions of EV at the same time

What if Volts can solve this systemic challenge?

TECHNOLOGY

VOLTS is starting to be a central energy management tool in house.



Product for End Customer

Scalable Battery
All in one solution (EI.backup and solar station in one box)
Ultra-compact: 1070x804x197mm
More than 15Y life span
Smart APP with monitoring, statistics, AI prediction energy management tool, Alexa voice helper



VOLTS - Open-API architecture allows to connect all energy technologies and thereby provides extra functionality, more accurate energy prediction and efficient control

MARKET ANALYSIS

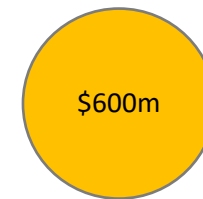
The residential sector is expected to account for the largest share in the energy storage market by installations with majority of demand coming from Germany, Australia, and the United States. (Source: MordorIntelligence; 2020)



Grid edge services market



Global REES market in Y2025 forecast *



VOLTS 5% global share in Y2025

The market for energy storage installs is expected to grow at a CAGR of approximately 35% during the forecast period of 2020 – 2025. (Source: MordorIntelligence; 2020)

* Source: <https://www.marketsandmarkets.com/> 2020, Today RESS market is about 6 bln \$

CLIENTS



To ensure a backup of the whole house and not to depend on a generator

Very cool gadget with a convenient mobile application for the complete automation of electrical power supply at home



After buying an electric car, there was not enough electric power for the house. VOLTS really helped me

I bought myself a VOLTS and solar panels, as I wanted to build a completely autonomous home away from civilization



VOLTS AND THE WORLD

In 2020 we started several international cooperation

HORIZON2020 EU | GREENWOLF PROJECT

VOLTS is among other 16 partners from Europe and Africa participating in research project GreenWolf. The main task of the project is to study the possibility of ensuring energy independence of various types of houses. As well as the creation of business models that ensure efficient and economical energy consumption.

LUXEMBURG | LESS PROJECT

VOLTS is cooperating with several commercial and academic partners in Luxemburg to develop the pilot. The pilot project aims to create technological ecosystem (multi-customer microgrid) that will combine sources of renewable energy (solar and wind energy), providers of flexibility, energy storage systems (ESS), Smart Meter & Smart Grid and a specific analytical software product.

UAE | CATALYST

Catalyst being one of the most famous venture capital funds investing in green energy projects decided to enter the capital of VOLTS. Further we will develop the project together using the accumulated knowledge base of Catalyst and its strategic partnership with BP.

CONTACTS

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Finland	Helsinki
Russia	Saint-Peterburg

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