



ØNDER

onder.tech

Commonwealth environment
for digital energy business

ØNDER is a cryptoeconomic protocol and a set of common building blocks for interoperable decentralized applications that help others to build energy service functionality easily.

Support changes in energy

Amount of “new stranded” assets on consumer side is growing exponentially. They are connected, flexible and easily controllable in their power use patterns, but now only do started to deliver value as part of power system's shared economy.

Low marginal costs and unlimited renewables make old means in balancing supply and demand through power trading odd. The new market models governed by flexibility, thus when and how energy is consumed and not how much, have to come.

So we believe, that the power industry of the future will be driven by fundamental change in stakeholders interactions, deregulation of economic links, richer user interfaces and novel mechanisms for fair distribution of the economic value.

Commonwealth Platform and Ecosystem

We believe, that blockchain technology provides powerful, unique and unprecedented instrument to allow this new fragmented world to come to the new balance.

We create a global independent commonwealth environment to allow others to build trusted open source digital energy systems and services easily.

Ecosystem

Level 1: Core & Commons

The core layer provides foundational technology SDKs for the ecosystem. These will be open source and free to use.

ØNDER Commons will offer end products. Its goal is to facilitate usage of the applications on the platform, and complement the applications created. Some of the components provide paid services. Others, like Wallet are free. Eventually, third party components are expected to make the Commons obsolete.

Level 2: Applications

The layer presents the user with a selection of energy applications. Anyone could develop an application and use it.

Level 3: Service Markets

Unique proposition of the platform is availability of service markets, also known as pools, or testbeds, with integrated real life test users, participating either as non-profit and partly as commercial arrangements. A service market will be accessible for 3rd party developers to test and deploy novel applications.

Community

Smart cities projects holders get opportunity to provide new services to the citizens by installing one metering and communication infrastructure for all of them.

New energy tech companies access to a lot of customers in all projects; get more value for their products through interaction with other companies APIs.

Incumbent Energy Business run new business models in cooperation with new tech companies.

Active Communities and Non-Profits optimize energy system using cost; develop energy market technologies by choosing best applications from many.

Universities and Research Labs have access to real life data, provide a low-cost living lab environment for research purposes.

Roadmap

2018: Pilot

Deploy and test Distributed Demand Response application using minimal version of the platform.

Provide the refined platform for a limited number of partners.

2018—2019: Distribution

Expand the number of partners. Deploy more ØNDER-based energy applications.

ØNDER growth on this stage depends on the number of smart districts or smart cities projects that will use platform.

2020 and beyond: Scale Up

On this stage we expect competition among different business models for energy services leads to optimal energy distribution system.

Service providers, prosumers and consumers will gain effects of interaction between thousands of participants.

Token model

The issuance of our own infrastructure tokens is conditioned by the need to create an internal economy in the ecosystem that will establish transparent and fair relations among all participants comprising the system.

The token model pillars on the following principles:

- a token is a unit of system's value;
- the token model optimises for human wellbeing;
- the model should allow for a multitude of service markets to thrive;
- a service market could develop in a green field.

Do you want to integrate your project with ØNDER?

Email us: hello@onder.tech