

Your new marketplace for today's Energy Transition!

Boost returns on your green energy assets while lowering the price of power in your portfolio.



What is Distro Energy?

Distro Energy is developing microgrid marketplaces to accelerate the energy transition.

Using proven market principles and next generation software technologies, Distro aims to help commercial real estate owners and their on-site partners to jointly optimise their energy portfolio. The first deployed marketplace is currently in beta.

Located in Rotterdam, the Netherlands, it has enabled smart local energy trading, which maximizes returns on renewable capacity and lowers overall energy prices for all participants. Further beta trials, and commercial deployments, are scheduled for 2021.





Built for your existing set up

Distro connects your local physical infrastructure/assets within a microgrid – smart meters, solar or wind generation and batteries – creating a digital twin of the energy community.

This way, every electricity consumer and asset owner can easily activate their access to the trading marketplace.

Everyone wins by accessing the most competitive energy prices

This marketplace transacts in real time over a 2-day forward horizon to determine local energy prices. As the local trading responds to external supplier and feed-in tariffs, every market participant in the community can benefit from more competitive prices. This provides local incentives for consuming on-site renewable generation, investment in energy storage and flexible energy usage. Distro is also designed to work alongside your other energy procurement such as PPAs, to improve overall cost efficiencies.

Automated, smart energy trading for all

Every energy consumer is empowered to be an energy trader – whether a business, a single smart device or electric vehicle.

When a consumer subscribes to Distro they get an AI energy trading agent, which is artificial intelligence software that learns the consumer's energy needs, preferences and behaviours. It analyses billions of data points in real-time, buying and selling energy at the best prices for the consumer.

Universally applicable – unlock the full benefits of your renewable assets in global locations.

Distro is built for the global economy and is compatible with most microgrid settings. It has the capability to enable:

100%

Consumption of on-site renewable generation

50%

Improvement in ROI on renewable investments

30+%

Lower power prices

\$/€000's

Avoided grid infrastructure costs

Why not reap the benefits from Distro across your global real estate portfolio?



Case Study

Europe's largest port, the Port of Rotterdam (PoR) is undergoing large-scale growth in renewables and electrification. This has added significant energy supply-side volatility to their power grid, requiring heavy investment in grid infrastructure to maintain energy reliability and security. Working with the Port, Distro identified untapped opportunity in terms of commercial and light industrial facilities being able to flex their energy demand up or down - which would help balance the grid and reduce grid investment needed.

The problem?

There were no real time market incentives to encourage demand to match constantly-changing local energy supply levels, i.e. dynamically informing facilities how to shift their energy behaviour. Since August 2020, Distro has enabled a local energy trading market (beta) in an iconic area – the PoR's innovation dock, where the world's largest submarines once used to slip off the ramp.



Image: RDM Innovation Dock

The innovation dock has on-site solar generation and battery storage, where energy is consumed by 40 commercial and light industrial tenants. Distro provides the community with overall lower prices, and benefits increase with the tenants' abilities to shift demand, for instance via responsively scheduling their 3D metal printing operations.

The PoR will be rolling out Distro and extending these benefits to other commercial areas. Likewise, the solution can be applied to and will benefit other commercial buildings and communities.

Sign Up for Distro Now

CONTACT US



- ☐ Would you like to promote cleaner, lower cost energy from renewable sources?
- ☐ Would you like to capture the untapped potential of your on-site renewable assets?
- ☐ Would you like to improve the payback on your on-site battery storage and generation?
- ☐ Would you and your tenants benefit from lower energy bills?
- ☐ Would you like to reward, smart, responsible energy behaviour?

If you've answered yes to the above:

Take control of your local energy economy today, by being an early adopter.

Reach out to our team of experts at info@distroenergy.com
to realize and maximize your potential benefits.

