GIVING YOU THE POWER

Modular energy services for utilities, aggregators, and balancing responsible parties
The transition of our energy system to renewable energies has turned the structure of the energy economy on its head. New markets and products bring new challenges, but also provide exciting opportunities. As the operator of one of the largest Virtual Power Plants in Europe and as an experienced energy trader, we want to help you take advantage of these opportunities and put them to use for your company. With our 24/7 energy trading, we can provide access to day-ahead and intraday markets on the EPEX Spot energy exchange and the control reserve markets of transmission system operators (TSOs), in addition to further international energy markets. We’re happy to manage your balancing group and portfolio in addition to marketing your power-generating assets. This allows you to concentrate on your core business while still having the peace of mind that everything is being handled with the highest level of care and market expertise.

Hendrik Sämisch and Jochen Schwill
Founders and CEOs of Next Kraftwerke

We pave your way to the energy markets

Whether you’d like to simply develop your trading business using our new trading portal, or you’d like us to fully manage your balancing group – you decide how much help you need. Our modular products can be adapted to meet your specific needs.

Pick and choose based on your needs

Market access
Access to all relevant exchanges

Balance group management
Support in all processes of balancing group management

Portfolio management
Reliable forecasts and short-term group balancing

Trading portal
Execute trades yourself using our new trading portal, NEXTRA

Manage renewable energy assets
Direct marketing, peak-load operation, control reserve

Green energy deliveries
Green energy at competitive prices – in various guarantee of origin quality levels
Our foundation: Diverse data for better forecasts

The logic is simple: The more data is used, the more precise is the forecasting for production and load. This sets us apart from many other service providers: Through our Virtual Power Plant alone, we have access to live feed-in and consumption data from more than 5,000 assets, including biogas and CHP plants, and weather-dependent sources of energy such as wind and pv. Weather data continually updated from our own meteorological analyses is also included, along with market data from several exchanges. The pool grows with every passing trading day. New data is continuously compared against historical values for a steady reduction in forecasting errors.

FOR YOUR COMPANY

 Know
Our data pool is fed from diverse sources and is constantly growing.

 Predict
Based on this data and years of experience in energy trading, our traders create accurate forecasts.

 Act
Our traders balance short-term surpluses or shortfalls in your portfolio.

Opening the markets for you

Do you need additional power quantities? Or would you like to use price fluctuations on the energy market to obtain cost-effective energy? But you don’t want to make the investments to actively make the trades yourself? No problem! Our trading department provides you with access to all the relevant exchanges.

- Power trading and energy procurement
- Balance short-term surplus or shortfall
- Schedule execution
- Obtaining guarantees of origin
- OTC trading
The easiest way to conduct your own trades

NEXTRA gives you access to power markets all over Europe without the need to become a licensed trader. You control your business and serve your customers as an energy trader. With a user-friendly graphical interface, NEXTRA provides you with insights into the current market developments. This includes all relevant market information, reports, and forecasts that have been prepared to give you the perfect foundation for your trading decisions.

What you can do with NEXTRA

Using NEXTRA, you can manage your deals, forecasts, metered data, and the resulting imbalances to place the orders you need to balance your portfolio.

- Analyze: Upload different types of data sets to your account – consumption & production forecasts, already procured power quantities, metering data.
- Forecast: NEXTRA uses the data you provide as well as optional data from our own analysts to forecast and quantify the imbalances in your portfolio and the associated imbalance costs.
- Trade: Using NEXTRA, you can place the orders you need to balance your portfolio in real-time. You have access to exchanges in different European regions and can participate in future, day-ahead or intraday trading on a 24/7 basis.

Input screens: Portfolio overview

With the portfolio overview, you can easily monitor your forecasts, trades, and the resulting surplus or deficit. You can manage transactions online, create reports, and download these or other documents in the download area to your computer. With a single click, these open positions can be bought and sold on various auctions or in continuous trading.
YOUR ACCESS TO POWER MARKETS

**Day-ahead**

Offer your short-term flexibility on the day-ahead market in auctions for individual hours and quarters of an hour.

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**Intraday**

Control your portfolio on the delivery day in continuous trading by directly and transparently reacting to short-term forecast deviations.

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**Features at a glance**

- Access to short-term and long-term markets
- Profiting from short-term price developments
- Multi-user access
- Two access routines: API and web front-end
- Full transparency on prices
- No licence fees, no maintenance fees
- Constant overview of your portfolio
- Financial reporting directly from the platform
Maintain balance despite growing demands

The challenges of balancing group management have grown considerably in recent years. Thanks to our access to the intraday markets and our years of experience as a balancing responsible party (BRP), we can help lessen your load. It’s up to you whether you’d like us to help you simply manage your residual profile, or if you’d like us to manage your entire balancing group in accordance with the applicable policies and regulations.

- If you prefer, we can manage the entire balancing group – including the portfolio risks.
- With energy data management, we ensure the plausibility of your feed-in and consumption data and prepare these for further processing.
- We take care of all communication with the respective balancing group coordinators, observing the required data transmission protocols.
- We guarantee 24-hour standby for schedule communication. This allows us to quickly react and make any necessary corrections if a TSO notices an error in our scheduling data or in the data of a trading partner.
- If you prefer to remain the BRP, we can manage your residual profile by balancing hours that have already been traded.

What sets our trading apart?

“As one of the first direct marketers, we are also one of the few specialists for short-term European energy markets. We have grown in a constantly changing energy market and shaped it with forward-looking solutions and products. Today, it is a major challenge for companies to meet the increased requirements of energy supply. Our experienced trading team can provide you with just as much support as you need to lighten your workload.”

Johannes Päffgen
Head of energy trading
PORTFOLIO MANAGEMENT

Precise forecasting, careful readjustments

In our portfolio management, we focus on two critical areas: First, we optimize your production and consumption forecasts by incorporating as much relevant data as possible. The following day, we combine the forecasted and actual schedules. We reliably balance your balancing group with short-term trading of excess or shortfall power quantities on the intraday market. As a result, your balancing risks are lower, and the reliability of your balancing group increases.

You benefit from precise forecasts based on dependable data – no matter if your load profile is measured with live consumption metering or forecast using a standard load profile.

The forecast and the final actual schedule is coordinated with the responsible TSO.

Thanks to our 24/7 trading and access to intraday trading, we combine your forecasted and actual schedule using a dynamic process - saving you work and additional balancing costs.

If desired, we can work with you to develop an individual procurement strategy.

Guarantees of origin adapted to your individual needs

“Sourcing green energy production is easy with Next Kraftwerke. We provide guarantees of origin in different qualities – ranging from Scandinavian hydro-electricity to exclusive contracts. For the latter, we draw from our own Next Pool of more than 5,000 assets across Europe to offer specific sources of energy and asset types.”

Katharina Ehrmanntraut
Portfolio manager origination
Best results for your assets

Would you like to sell the power of your own assets or provide power trading for third parties? Next Kraftwerke is one of the first and largest direct power trader for power from RES. We take on all the tasks for you or your customers involved in power trading at the best price possible. We’re also happy to identify potential flexibility of your assets for marketing as part of peak-load operation. This allows you to use market price fluctuation for higher returns.

1. Asset operation does not need to be adjusted for power trading.

2. Next Kraftwerke trades the produced energy and assumes the balancing risks on your behalf.

3. You receive the revenues for the energy from your assets.

Everything at a glance - in our customer portal

You can view and manage the status of your assets at any time in the customer portal. You can also access data and invoices and download important documents. “My Power Plant” can be used by all standard operating systems and browsers. In addition, “My Power Plant” is available as an app on Apple or Android mobile devices, allowing you to stay up to date even on the go.
CONTROL RESERVE

Profit from grid stabilization

The decentralized assets in your or your customers portfolio contain valuable potential: flexibility. Unlike solar and wind plants, bioenergy, hydro, and CHP plants as well as batteries or PtX units can be called upon to provide more or less energy on short notice. This flexibility is valuable on the control reserve market. Next Kraftwerke is a long-time provider of control reserve in seven European TSO areas.

1 Installing our remote-control Next Box

Upon installation of the Next Box remote control unit, the asset is linked to the central control system of our VPP.

2 Asset deployment

Simply by deploying the asset, you receive compensation for standby operation – known as the capacity rate. This does not affect the asset’s operation.

3 Asset capacity adjustment

Grid fluctuations trigger adjustments to the capacity of the asset, and you receive a energy price in addition to the capacity rate.

White label solutions

“Do you want to present yourself as a power trader and Virtual Power Plant operator to your customers? No problem! We provide complete management of your assets as a white label solution. From establishing remote control to the optimization of your assets all the way to trading – we share the entire range or our expertise. If desired, we are also happy to create your own customer portal.”

Katrin Koch
Head of Customer Relations
Public Service

Public utilities included in a Virtual Power Plant (VPP)? It may sound like an exception to the norm, but it is actually common practice. Why? Many public utilities own flexible systems, which are suitable for short-term trading. The public utility company in Groß-Gerau (GGV), a town southwest of Frankfurt, was the first to join Next Kraftwerke’s Virtual Power Plant. After starting cooperation in 2012 with the integration of biogas units into Next Kraftwerke’s VPP, Next Kraftwerke now also manages the utility’s balancing group and its portfolio. “Due to limited personnel resources, we were looking for a partner to optimize our electricity procurement costs,” GGV’s CEO Paul Weber says. Next Kraftwerke forecasts the production and consumption of energy for the balancing group, transmits the schedule to the transmission system operator on a daily basis, and trades the forecasted volumes on the day-ahead market. Deviations from the forecast are balanced by intraday trading. “We have a very trusting business relationship which has enabled us to reduce our electricity procurement costs without investing in a trade department of our own,” Weber says. “In the medium term, we intend to extend the cooperation regarding the flexibility of our biogas units and our power procurement.”

Products in use

Direct marketing, control reserve, portfolio management, energy trading, balancing group management

Facts & Figures

- 150 GWh transported electricity on mid- and low-voltage grid annually
- 12 GWh power production from renewable sources annually
- 13,000 metering points
- 9 employees
WHY NEXT KRAFTWERKE?

The transition to renewable energy is an enormous challenge for our energy supply. Since 2009, we’ve risen to this challenge and have developed solutions for the energy market of the future. We’ve been successful: Today, we operate one of the largest Virtual Power Plants in Europe and are active on all European energy exchanges as a certified energy trader.

**Full service**
We are your specialist for developing complex energy industry processes – from direct marketing of your portfolio, to additional energy acquisition, or balancing your balancing group. In addition, we trade the produced power of your assets, provide system services for grid stabilization, and deliver green energy of all qualities.

**24/7 energy trading**
Next Kraftwerke is a certified trader on the EEX spot market (EPEX Spot) and the EXAA for 24/7 trading on day-ahead and intraday markets. With short-term trading on the intraday market, we can balance production and consumption and square your balancing group. Your balancing costs drop considerably.

**Independent**
We are not dependent on the structures carried over from the energy sector of old and can operate completely independently. Therefore, you retain your own profile and your strategic independence when working with Next Kraftwerke.

**Regional und international**
With regional contacts in Germany, finding your way to Next Kraftwerke is easy. In addition, our international business offers a wider perspective for competently addressing specific needs for the long term.

**Distinguished performance**
We have received a number of awards for our innovative concepts and products:

- Financial Times 1000, 2017
- Intersolar Award, 2017
- National Energy Globe Award Germany, 2017
- RGI Good Practice of the Year Award, 2016
- eco Internet Award, 2016
- Global Cleantech 100, 2015
- Eurelectric Award, 2015
- Nominated for the Hermes Award, 2015
- German Energy Award, 2014
Das Unternehmen


CONTACT

Would you like to hear more about our services for utilities, aggregators, and balance responsible parties? Simply get in touch. We look forward to hearing from you!

Facts and figures

- Networked assets: > 5,140
- Total capacity of the Virtual Power Plant: > 4,032 MW
- Traded energy quantities (2016): 10.2 TWh
- Control areas: Active in seven European TSO areas
- Founded: 2009
- Locations: 11
- Employees: 136
- Revenue (2015): 273 million euros

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trading.next-kraftwerke.com

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Milan • Nantes
Warsaw • Vienna