Our analytics
Your advantage

How can we help you?

Whether you need help with valuing a renewable investment project, PPAs, battery energy storage, power plant, electrolyser, gas storage, - or you need bankable price forecasting services, risk management advisory or an E-/CTRM system – KYOS has the tools and expertise. Our software is extremely robust and gives you the answers to make better decisions.

Our people have worked for decades in energy trading. We understand the needs of energy market players. Whether you deal with conventional generation assets or renewables, with power or natural gas, storage or transport, generation or consumption, or with all of these: we support you with excellent software and services, incorporating best-in-class financial modelling techniques.

In this brochure we outline our various software solutions for the energy sector, all embedded in the KYOS Analytical Platform. The Platform is a combination of an E-/CTRM system and high-end financial analytics. Our Platform is in use by more than 100 corporate clients around the globe. While we are adding many new clients each year, the satisfaction of our clients is what matters to us most.

How can we help you? Let us know the challenges you are facing – we are looking forward to a fruitful discussion!

Our core company values are reliability and responsibility. That is driving our contacts with colleagues, clients, society and the environment.
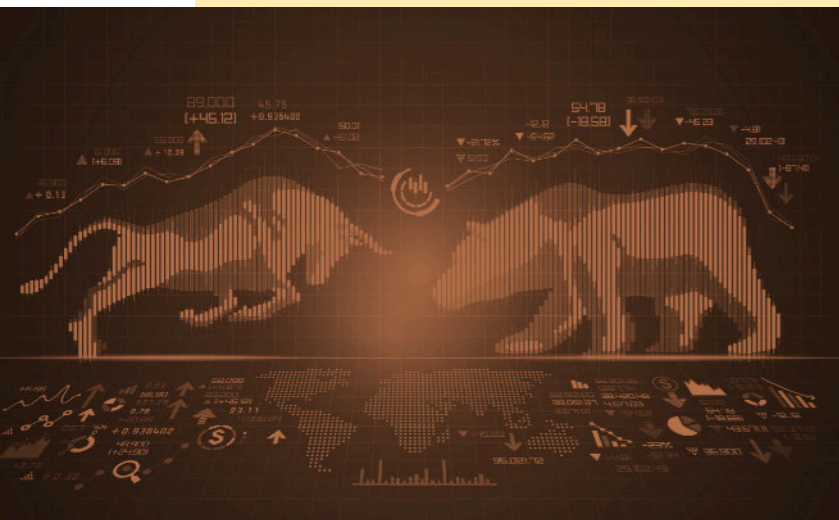
Our mission is to help clients take the right decisions based on accurate analysis, to accelerate the transition to a more sustainable use of our natural resources.

Since 2008, KYOS software has been built on knowledge, skill and commitment of our team. Our head office is an inspiring old building along a canal in the beautiful town of Haarlem, the Netherlands. Here we employ our talented team of quantitative developers and IT programmers.

With more than half of the employees coming from abroad we have an international mix of people to serve our clients. For overseas clients, we have dedicated teams and partnerships in Japan and the US.

**Our analytics
Your advantage**

Cyriel de Jong
Founder & CEO

Richard Cornielje
Sales Manager
CTRM

Hiroshi Ishiguro
Sales Manager
Japan

Steven Verbeek
Business Development
Manager

Hans van Dijken
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Ewout Eijkelenboom
International Sales Manager

Marieke Diesnis
Marketing Manager

The KYOS Analytical Platform is our flagship software solution, offered as a SaaS product. It contains an unrivalled range of top analytical modules for valuation, risk management and optimization in energy and commodity markets.

You can select the modules depending on your needs. Automated data feeds and calculations ensure you always have the latest information at your fingertips. The Platform can operate as your primary E/CTRM system, or communicate seamlessly with other systems using our APIs and Python custom programming interface.

KYOS analytical plaform

Commodities	Power, Gas & Energy	Multi-commodity
Users	Utilities & suppliers Renewable & fossil generators Commodity traders Consultants, investors & financials	Industrial companies Food processing companies Soft commodity & metals traders Commodity brokers
Specific modules	Gas storage Gas swing contracts Green hydrogen Power plants Solar, wind & PPAs Batteries & storage Hydrogen	Cashflow forecasts P&L attribution Hedge accounting Budgets Accumulators Inventories
General modules	ETRM Price data management Forward curve generation Monte-Carlo simulation Profit-at-Risk Value-at-Risk Stress tests Option Greeks	CTRM Option valuation Mark-to-market Risk reports

Our services

Market prices

➕

Forward curves

➕

Price simulations

➕

Asset details

➕

Contracts

═

Better decisions

Energy analytics software

A unique suite of models for valuation and optimization, using the latest methodologies and based on bankable forecasts and stochastic optimization. For renewable power generation and PPAs, power plants, gas storage, batteries, green hydrogen, option and swing contracts, accumulators, and many more.

Consultancy and training

Our experienced consultants and trainers are specialists in valuation, optimization and risk management in energy and commodity markets. We advise on the valuation of individual assets and contracts, help design hedging strategies or assist in M&As and arbitration cases.

E/CTRM software:

Our fully integrated system offers a range of risk reports. It provides insight into positions, exposures, P&L, cash-flows and MtM. Drill down from portfolio level to book, counterparty or individual deal. Advanced at-Risk models complement our offering.

Price Data services

Live or End-of-day market price forward curves are essential for trading, structuring and risk management. In addition, we also have a fundamental model for long-term (>30 year) power prices.

Analysis you can trust

The KYOS Analytical Platform is a system with advanced analytics for energy and commodity markets. The Platform provides one solution for the primary functions of pricing, optimization and risk management.

- A web-based system with a central database and superior analytics
- User friendly and intuitive user interface: clear workflows
- Smoothly moves from market prices, to price forward curves, to Monte Carlo simulation
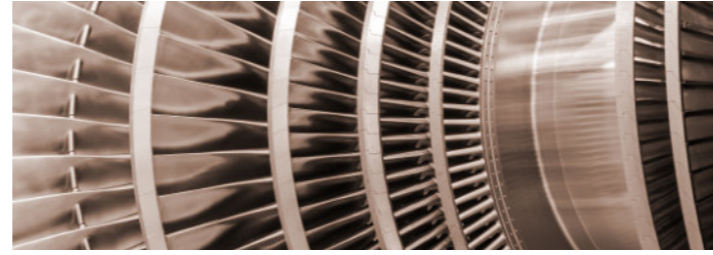- Stochastic optimization tools for plants, storage and transport

Python and the KYOS analytical platform
At KYOS, we have a team of quant developers to program our analytical models in MATLAB and Python, providing the platform with a solid mathematical framework. But sometimes you want to integrate your own model or need something very custom. To offer more flexibility, we have developed a 'Custom analytics' module, which embeds the Python open-source programming language in our software. You can develop new Python models or deploy existing ones, fully integrated with all the functions and data in the KYOS Platform. Use it to price complex non-standard contracts, process input and output data, or calculate specific risk metrics.

Custom analytics with APIs
For an easy integration between your own system and the KYOS Analytical Platform, you can use your own APIs. It works for both up- and downloading of data, for example of price data. Besides that, it is possible to start valuations of our KYOS modules and retrieve the results.

#1 in analytical software

Power

Where are power prices going? What is the value of my power plant or power market contract? How can I trade in the market to reduce electricity price risks? What is a bankable forecast of future power prices? KYOS analytics provide answers to traders, investors and other market players.

Natural gas

Natural gas portfolio management is about managing price and volume risks. KYOS helps to optimize a portfolio with natural gas storage and swing contracts. Trade in the markets to maximize the flexibility value and minimize risks!

Renewable energy

For owners/investors/auditors of renewable energy sources such as solar parks, on-shore or off-shore wind farms, or hydro facilities, we help with setting a price for your resources, as well as valuing your power purchase agreements (PPAs).

Energy storage and Hydrogen

Energy storage and hydrogen are enablers of the energy transition by providing flexibility to supply and demand. We support you to assess projects, provide bankable valuations and benchmark trading strategies.

Multi-commodity

If you have to manage a variety of commodities with volatile prices, you need to understand the price risk to manage them effectively. With the KYOS commodity trade & risk management system (CTRM) you can easily manage your contracts, budgets, hedging, market price analysis and cash-flow forecasting.

This is just a brief overview of what we can offer you. Have a look at our website for more detailed information. Find under 'Events' an overview of the conferences where we will be present, and a list of our upcoming webinars.

Our knowledge center is a great resource for the latest news, where we publish interesting articles and reports.

Do not hesitate to contact us for more information, or ask for a short demonstration: info@kyos.com

KY⦿S

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