



# EUKLID

*Science at work for Finance*

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## EUKLID / MODELOMNI partnership

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### EUKLID system applied to financial forecasting

**EUKLID** stands as a **beacon of innovation in the financial forecasting industry since 2018**. With operations in **Canary Wharf's** esteemed **LEVEL 39 and Rome**, **EUKLID** has fostered strategic collaborations within the Fintech community, crafting bespoke AI algorithms tailored for precise **time series data analysis**.

At the core of **EUKLID's** approach lies an innovative methodology that blends **Neural Networks, Complex Fuzzy Logic**, and **heuristic algorithms**. This unique fusion, akin to **Quantum Mechanics modeling**, equips **EUKLID** with unparalleled insights into financial markets, allowing it to navigate complexities with precision.

Despite global crises like the **2019 COVID pandemic**, the **banking failures in March 2023** and the recent **VIX index spikes of August 2024**, **EUKLID's** algorithms have consistently delivered gains, showcasing their resilience amidst market volatility. This resilience is not accidental but a result of meticulous engineering aimed at thriving in turbulent times, **thereby providing stability and profitability to clients**.

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**EUKLID's** success is also attributed to its dedicated team of several Data Scientists who continuously refine strategies and explore new applications. The company's revenue model is **performance-driven**, with fees shared among financial partners benefiting from **EUKLID's** investment signals. Moreover, **EUKLID** tailors entry and execution fees to individual contracts, ensuring flexibility and alignment with client needs.

**EUKLID's** journey signifies a paradigm shift in financial forecasting. Its **Data-driven innovation, resilience amidst crises,** and **minimal risk exposure** redefine industry standards.

**EUKLID partnership with MODELOMNI** represents a new key in the interconnection of different and symbiotic technological and financial skills of the two companies teams that are committed to providing clients with cutting-edge solutions, empowering them to navigate financial markets with confidence and success.

## EUKLID system process & characteristics

EUKLID algorithms developed to invest in financial markets, are designed on the following trading strategy:

1. **Automatic extraction** of prices from data – provider such as **Bloomberg** and division into **train - test**.
2. **Data pre – processing** and application of **Soft Computing** models to obtain the output signal.
3. Optimization of the Model with **meta – heuristic algorithms**, applied to train data.
4. Development of the **output signal** for each algorithm of the asset and **final aggregation** of them.
5. Creation of the **final signal** for each asset of EUKLID Portfolio.
6. Weekly or daily trading signal is sent to MODELOMNI platform.
  
7. **MODELOMNI analytical platform selects and adapts the decision process and execution of the investment strategy in the immediate (hours and minutes) markets conditions while improving related volatility issues.**

### EUKLID partnership with MODELOMNI platform for trading strategy optimization

EUKLID has found in MODELOMNI platform for trading strategy optimization the ideal partner to dramatically improve its performances, joining also the highly innovative commercial process. The asset managers are the clients of this technologically advanced service offered by the trading platform, without having the burden of costs and complications that comes along with classical fund management procedures.

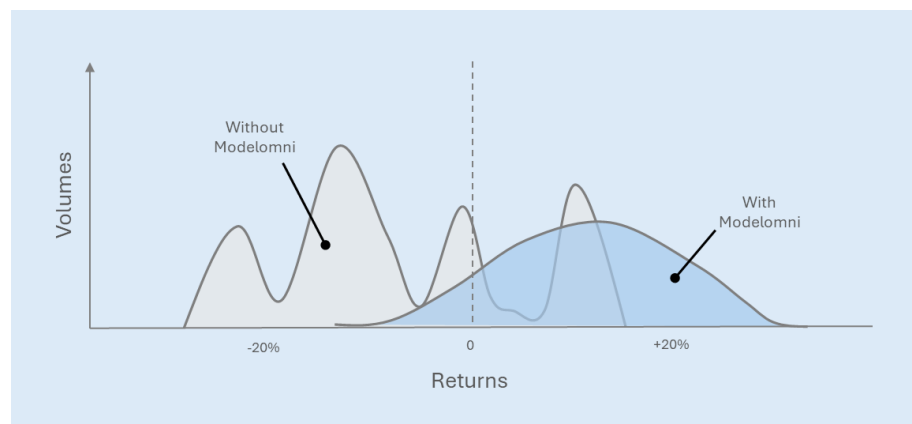
The exceptional results from the Modelomni platform enable asset managers to more confidently scale their business, attracting more capital in competitive markets, and outperforming those cheaper alternatives. They are also enabling new business models beyond asset management: it becomes viable to, for example, use trading to mitigate currency risk mitigation, so unlocking the possibilities for inward direct investment into countries with unstable currencies.

MODELOMNI provides the platform and support services to traders, but also works closely with asset managers of all sizes on their trading strategies through a simple offering, Its Quant Lab Accelerator, **developed jointly with EUKLID, co-designs AI related evolution services customizable to the clients needs.**

## EUKLID / MODELOMNI partnership

MODELOMNI has developed a platform for execution that embeds AI-evolved models that is designed to work with signals from investment strategies. It places trades at the optimal time, to increase performance and, if conditions are not right, may place fewer, smaller or no trades at all, to reduce risk.

Evaluations show that a portfolio executed with Modelomni will display lower volatility, especially with regard to downside risk (and so higher Sharpe ratios, and much higher Sortino ratios), and higher overall returns (**an uplift of 10-20%**).



**The result of this process is a smoothing out of volatility,**  
**and a 'shift right' in the distribution of trades towards positive returns.**