

# High frequency trading and capital markets

In the competitive, high pressure world of high frequency trading and capital markets, a specific bit of data can heavily influence decision-making, gains and losses. A sound data and governance strategy will ensure that all your organisation's decisions are based on accurate, up-to-date information.

## Reduce losses and optimise gains by analysing greater data volumes, faster

High frequency trading and capital market investing have always been driven by data and technology, and enhanced by human ingenuity.

Access to traditional and new sources of extensive data - and the ability to interpret it all - has never been more significant than it is today.

Technology has completely transformed the way that financial markets gather, analyse and use data. Competitive advantage requires the right technology, and experts who know how to harness the power of data properly.

Better predictive analysis, more intelligent risk modelling and improved quantitative analysis are all achievable when you have the right data strategy in place.

Manage data properly and you'll have intelligent insights that will help you to minimise losses and increase gains.

### Results achieved for our clients

#### Client 1: Algorithmic trading platform

**Objective: To trade faster.**

Nephos's results compared with alternative solutions:

150GB/s performance has been achieved with:

- ✓ 25% of the data centre footprint
- ✓ 40% lower cost
- ✓ 2.5x better performance.

#### Client 2: Data science platform

**Objective: To improve the speed to market of new risk models**

Nephos's results compared with alternative solutions:

- ✓ 16x storage capacity reduction
- ✓ 3x fewer required nodes
- ✓ 50% reduction in operating cost
- ✓ 6-12x reduction in time to deploy new AI models.

## The Nephos approach



### DEEP UNDERSTANDING

We have specialists who understand in great detail the data challenges of organisations operating in the financial markets and trading space.



### MINIMISED RISK, MAXIMISED ADVANTAGE

We significantly reduce your exposure to the risks of taking on newer or unknown technologies - and help you use them to gain an edge over your competitors.



### LOW-RISK DEPLOYMENT

While this may be your first time using these types of tools and technologies, we do it all the time! You can be confident that our experience and track record means we know what we're doing.



### MANAGED SERVICE

You and your team can focus on delivering the applications and business requirements; we de-risk your purchasing decisions by managing the environment for you.

## NEPHOS TECHNOLOGIES

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## Consolidating data and functions for agility

The Nephos team recognises how important it is to connect the many separate data sets your decision-makers use, in whatever format they may need. By collating information from different applications, our clients are able to analyse data in new ways, giving them fresh insights.

Being able to provide different levels of access to people in different roles within your organisation is vital. Whether you need to provide access to traders, your marketing team or account managers, we can help you set up and control access, and ensure it's all compliance with legislation and your data governance policy.

Until now, myriad data pools and access functions have been managed by different systems. But this doesn't suit the speed at which organisations need to operate today. Nephos sets up a single source of data for our clients, which can be used and accessed in multiple ways. No more copying data from one system to another. No more version control risks. Instead you can expect better quality data and governance.

## Four critical challenges that Nephos can help with

### RACE TO ZERO

Being able to make decisions in an instant, based on reliable and useful data, helps to optimise market opportunities and gain competitive advantage. We help our clients with turnkey solutions that dramatically speed up their ability to receive data from the exchange, analyse it, make decisions and send data back to the market. Our clients are empowered to make better decisions more quickly - while using significantly less data centre space.

### FINDING NEW ALPHA

In an industry where margins and profit are always under pressure, the ability to analyse ever-increasing quantities of data smartly, in the blink of an eye, makes for more streamlined, efficient operations. Our clients are able to analyse greater volumes of data at a much lower price and even discover new insights from old data. Using data science to process vast quantities of data and make objective recommendations frees up expensive staff to work on more important things.

### DATA COMPLIANCE

Operating in one of the most heavily regulated sectors, our financial services clients rely on us to stay compliant, while still being able to optimise data use across their businesses. Compliance starts with governance - and we help our clients to identify sensitive data and implement their data governance policy effectively, consistently and constantly across the data sets in their business.

### RISK MODELLING

Our clients use our solutions to automate their risk modelling at scale. These include innovative technologies, often integrating AI and machine learning. Smart risk modelling enables traders to make lower-risk decisions faster, and avoid heavy losses.

## Why trust Nephos?

Nephos takes a holistic view of the business, technological, financial and operational contexts of your data. Our independence means we are not tied to recommending certain vendors - instead we provide the most appropriate advice and best possible value to our clients.

Our team of data solution experts are obsessed with their field, and have the knowledge and experience to come up with innovative ways of wrangling and optimising your company's data. From day one, Nephos has had a single focus: solving our clients' data problems.

## You may also be interested in:

### Nephos SmartData Discovery

Identify and get the most from your company's valuable data by storing and using it smartly. SmartData Strategy helps you turn your data challenges into opportunities and competitive advantages.

### Nephos SmartData Services

Simple, stress-free implementation of the recommendations from your SmartData Governance reports. This could include migration to the cloud, enhanced data security, and more.

To learn more about making better, data-empowered trading decisions, contact us today.