

Data insights to improve engineering efficiency

Data science may seem foreign to the world of engineering, but it can actually offer many operational benefits.

Future competitiveness is data-driven

Engineering organisations are by nature widely distributed: Each live project is large in scale and has many moving parts. Firms hold large, untapped volumes of data, in a diverse variety of data sets.

Having a strategy in place to gather, organise and store this data can unlock opportunities. Being able to use data effectively to drive efficiencies in working practices can significantly improve growth.

This data can be analysed to provide insights into how the organisation manages projects and purchases materials - information which can help forecast project costs more accurately.

And in a sector which often achieves only narrow commercial margins, being able to maximise efficiency between internal talent pools, and externally with partner organisations, can make all the difference.

Where is data particularly critical in engineering projects? Building information modelling (BIM), which has become increasingly popular, depends on large quantities of reliable data. Smart buildings generate and capture data every second - and use artificial intelligence (AI) and machine learning (ML) to perform tasks and predict usage.

Internally, incorporating AI into your firm's workflows can make for more accurate project costs and estimates. Making sure that the right people on your teams can access appropriate, reliable data easily wherever they are, makes their jobs easier and improves productivity. And when you have multiple parties in different locations accessing data, it's important to have a solid data governance policy.

Nephos helps a number of engineering firms to discover, organise, analyse and store valuable business and operational data - and ultimately gain an edge over their competition.

The Nephos approach



DEEP UNDERSTANDING

We have specialists who understand the data challenges of firms in the engineering sector. We take time to learn about the specific context of your business too.



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.

Results achieved for our engineering clients:

Objective:

Reduce on-site infrastructure

Nephos's results compared with alternative solutions:

- ✓ 50% reduction in time to collaborate
- ✓ 30% Savings for on-site hardware costs
- ✓ Reduction in overall complexity of deploying remote branch office
- ✓ Onboard new M&A within 30 days rather than 6-9 months

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Nephos is a great company to work with and have exceeded our expectations. Their real value is their focus on solutions and not sales. The Nephos team made sure our designs were based on industry-leading providers with forward-thinking potential. We know we won't get locked in to any single vendor, and have answers for our future cloud strategy.

Global Director: Enterprise Cloud and Compute Services, Global Engineering Consultancy

Key engineering industry challenges that Nephos can help with

BUILDING INFORMATION MODELLING (BIM) SOLUTIONS

Nephos delivers global collaboration for BIM workloads. The result is streamlined design processes and optimised billable output.

SMART BUILDINGS

Nephos helps engineering firms to build smart buildings, which interact with the people using them. Examples like smart airports require real-time data solutions to meet their unique challenges.

SIMPLIFIED BRANCH INFRASTRUCTURE

Nephos SmartBranch provides a simplified, consistent and turnkey branch office infrastructure that enables scalable collaboration and data centralisation - quickly and easily.

GLOBAL DATA GOVERNANCE

Global engineering firms have demanding regulatory compliance requirements. Nephos's unique Data Governance as a Service model makes compliance simple.

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

Obtain actionable intelligence for dramatically better data visibility and control.

Nephos SmartData Governance

Apply your data governance policy effectively, including identifying, organising and protecting sensitive data.

Talk to an expert who understands the data challenges engineering firms face. Contact us