

Netcompany

Data Engineering Service

Netcompany at a glance

Netcompany is one of Europe’s fastest growing and most successful technology consultancies, leading the way in showing how digital transformation can create strong, sustainable societies, successful companies and better lives for us all.

Since our inception, we have accelerated digital transformation by providing market-leading solutions, enabling our customers’ independence and nurturing a powerful work culture that attracts the best digital talent.

Our services range from business consulting to software development, project management, and system integration. By leveraging innovative technologies and building flexible, scalable and secure digital platforms, we enable government to accelerate the pace of transformation to save tax-payer funds whilst delivering excellent citizen experiences.

Top-line Stats

£692m	8	7,700+
Revenue in 2023	Countries in operation	Employees end of 2023

Selected Customers


HM Revenue & Customs


NHS


Home Office


Ministry of Defence


national highways


Cabinet Office Digital



● Countries in which we have more than 50 employees

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Data Engineering Service

Netcompany supports end-to-end Data Engineering capabilities. Data Engineering forms the bedrock of any Data Strategy or Architecture. Implementing reliable Engineering services enables high performance, low-costs and increased user confidence / experience in Data Products. This service enables preparation of data securely and efficiently for downstream Data Science and Analytics technologies.

Service Features

1. Modern Data Engineering architecture aligned to your Data Strategy
2. Data Collection / Ingestion accelerators for major Cloud Providers
3. Engineering services which synergise with Data Quality Management and process improvement techniques
4. Data Ops covering monitoring, audit, notifications and Governance measures such as Data Lifecycle Management or Personal Data redaction
5. Support in designing custom Data Models which align to your business use case
6. Support in building ETL and Data Transformation pipelines which ensure data is of quality, and in the right format, for successful exploitation and analysis downstream
7. Support in building secure, accredited Data Engineering architectures
8. Support in developing data access control and appropriate data sharing methods
9. Support in identifying and implementing the best Data storage technologies for your organisation
10. Supporting in achieving security and governance accreditation up to OS including frameworks such as JSP and NIST for Engineering services

Service Benefits

1. Organisation has adopted data culture and data driven decision making
2. Innovation driven to exploit data, realising value quickly
3. Reduced time to market and better asset re-use
4. Data is managed and monitored effectively in hybrid premises/cloud, multi-cloud
5. Data is appropriately open and shared across organisations
6. Benefiting from a proven Information Management and Data Science community
7. Knowledge Transfer of proven tools and processes to organisations staff
8. Trust your underlying data processes to have confidence in insights gained through data exploitation
9. Ensure Data Storage is effective for retrieval purposes and cost efficient

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Data Engineering Service

Who is this for?

As a UK Government organisation, you've been at the forefront of providing services to citizens and other government agencies for many years. This continual need to adapt and address to new demands has provided your authority with a wealth of data, often contained or restricted within silos of people, processes and tools.

Like any organisation you've recognised that the power of your business is driven based upon what data you hold and can exploit in order for you to become data centric. You've adopted an overall data strategy, which has identified that in order for you to progress, you need to have further capability in the acquisition, management and exploitation of data

You want to:

- Use Data effectively in your organisation to drive decision making
- Use data to drive policy making and enforcement
- Reduce your cost and/or dependence on legacy assets and providers
- Use best of breed cloud services
- Enable your digital transformation
- Provide an environment of agility and flexibility
- Increase the trust of the public in hosting their data
- Support your data organisation with additional capability
- Ensure data is collected, manipulated and exploited securely and effectively
- Ensure data is stored effectively for retrieval and cost efficient

What is the service?

Netcompany provides a full service covering all aspects of Data Engineering, helping your organisation with:

- Data and cloud engineering and architecture
- Migration to cloud; full or hybrid
- Improvement of data ingestion and collection services
- Improvement of data transformation and modelling services
- Improvement of data storage architecture and techniques
- Support in improving customer capability in Data Engineering and related operations
- Support in building audit and monitoring of Engineering services
- Rationalisation with costs of scale

What does it do?

- Delivering the capability to interact with previously siloed or unstructured data to drive new business needs
- Increases reliability and effectivity of Data Pipelines, improving reliability and timeliness of data fed to analysts and scientists, increasing confidence in generated insights
- Increases effectivity and performance of Data Transformation or Modelling techniques tied closely to your downstream objectives
- Delivery of cross-agency/department or organisation data to provide a holistic view of citizen or organisational needs.
- Improved reporting to audit and oversight agencies

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Data Engineering Service

How do we do it?

Based on the experience and knowledge we have accumulated through building approximately 200 public sector and government solutions; we have designed a unique delivery model based on the following pillars:

- Practical understanding of Modern Data Engineering Architectures and Techniques
- The right team of skilled people
- Unrestricted ownership and public sector experience
- Competence building and on-site development
- Controlled agile delivery

The right team of skilled people

To be successful it's important that Data teams have the skills, capability and knowledge required to identify, gather and provide the right solution aligned to your business needs. Dependent on the specific requirements of the project, our team of highly skilled professionals can help you along the journey.

We have structured our interdisciplinary and cross-organisational teams to have just the right blend of experienced managers and fresh talent, to ensure full accountability and technical ability. Data Architecture and Engineering happens in close collaboration with all stakeholders.

Netcompany have expert Data Architects and Engineers ready to support you in optimising your Data Ingestion/Collection, Transformation/Modelling and Storage technologies, with the goal of increasing the success of data projects by ensuring assets developed are effective, efficient and of high value. We would love to leverage our experience, knowledge and passion on Data Engineering in order to make your Engineering assets effective for your organisation.

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Data Engineering Service

Unrestricted Ownership and Govtech Experience

At Netcompany, we believe that our public sector clients should be in control before, during, and after delivery. This is why we deliver legacy-free solutions with no IP restrictions or license costs, and which give our clients full user rights over the delivered code.

Competency building and on-site development

At Netcompany, we work closely with our clients, sharing the expertise and knowledge of our unique delivery approach, developing strong digital DNA and maturity in the client's organisation.

Controlled agile delivery

The public sector has recognised that our changing world requires far more agile approaches and development models.

At Netcompany, we offer a proven project method dubbed "Agile with Control", combining the main virtues of the traditional waterfall methodology (control and predictability) with agile methodology (lean, continuous improvements and adaptation).

In Summary

Netcompany has experience across all major public cloud platforms along with extensive knowledge of the open source and vendor specific solutions.

Netcompany can leverage this wide industry experience to enable migration of your data and their supporting solutions between different platforms, providers and operational control from your current provider.

Critically, we can assess your current deployment, data ecosystem and data pipeline and establish how that can be migrated in a phased approach to a new cloud solution.

Most importantly, we will establish how the supportability, maintainability, security and auditability will continue to function with minimal impact to your data-solution through appropriate provisioning.

The key strength of our solution is that we bring a range of proven processes, which we then tailor specifically to the operation of your organisation and the outcomes that you seek. This allows us to ensure that we are providing services that minimise risk and disruption of your operational services, whilst also ensuring that you can identify, accrue and monitor any business benefit.

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Case Study

UK Government Engineering Service

Problem

A central UK Government organisation, instrumental in maintaining, analysing and providing rapid response to COVID-19 flare ups, required multiple sources of COVID data ingested, modelled and analysed in a resilient, scalable and secure cloud environment. This realised significant ongoing process efficiencies and data quality improvements.

Solution

The solution ingests, stores and processes multiple sources of COVID-19 data across hundreds of locations throughout England. The service plays a pivotal role in ensuring all relevant information is quality validated, integrated and shared securely across relevant UK Central Government organisations and associated local government and third parties.

Our unique approach enabled the comprehensive capture of relevant data and we worked with the business to provide a single version of truth for reporting and rapid response alerts. Engineering and ETL pipelines functioned effectively in order to provide high quality data reliably and in a timely manner to support successful downstream insight generation through Data Science and Analytics techniques.

What we did?

In 2020, Netcompany engaged with the complex stakeholder and vendor landscape and swiftly secured approval for the design of Cloud Data Services for integration and provisioning of required data. In parallel, data from the Secondary Sequencing Applications that were developed for identification of COVID-19 variants was ingested into our cloud platform and complex further tertiary analysis was performed with minimal disruption to service.

Benefits

- User-friendly centralised platform with easy but controlled access for data integration and analysis
- Managed a complex data collection and ingestion landscape effectively
- Data was ingested, transformed, integrated and exploited seamlessly
- Various disparate sources of data were modelled and integrated to increase insight generation success
- Identity and access control seamlessly aligned to strategic departmental active directory
- Data now stored in future-proofed, reliable and secure technology platform that is continually maintained
- Minimal disruption and minimal user training required
- Provided high quality integrated data for analytics and reporting for multiple end users
- Fully scalable solution that aligns to cloud-first departmental strategy
- Agile with control delivery



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Working with Netcompany

Dedicated to a Greener, Fairer Future

- Netcompany is more than a business; we're a community of employees, customers and partners committed to a sustainable and fair society.
- When working towards the Social Value Quality Mark, we developed a set of seven pledges. These support our alignment with the United Nations' Sustainable Development Goals and the UK Government's Social Value Model. Furthermore, they underpin the development of our social and environmental impact initiatives.
- We are proud to be the winner of awards and accolades from our work and contribution to social value creation and community well-being.



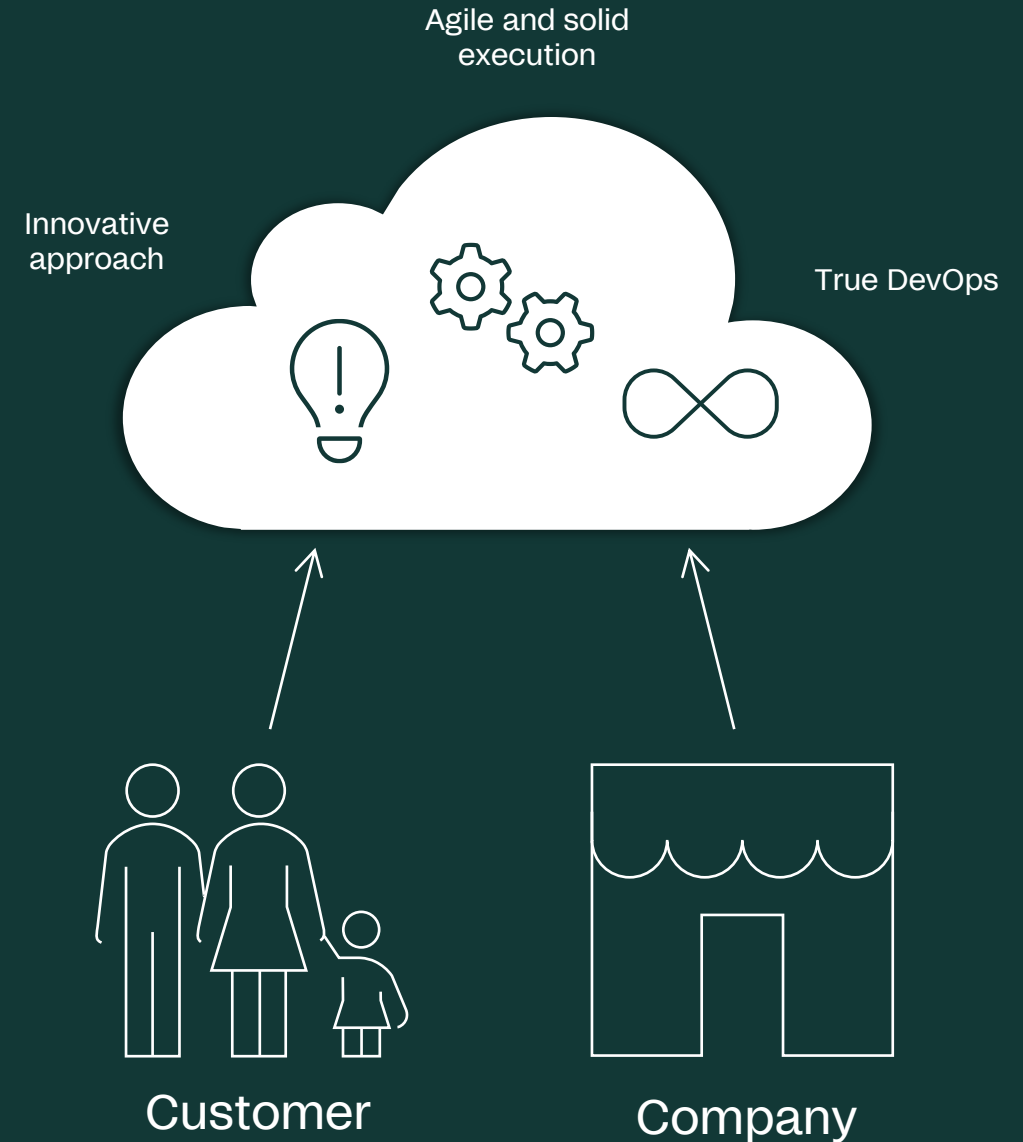
Domain expertise across many industries

- With vast technology experience and deep public sector specific knowledge, we quickly create innovative solutions tailored to your goals, delivering outcomes to address the intricate challenges currently facing governments.
- Through our innovative delivery approach, true client partnerships and exceptional people, we design and deliver solutions that have dramatically increased user engagement and provide better citizen and customer experiences for us all.



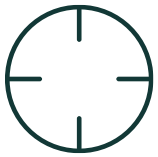
Preferred provider of end-to-end services

- We know what it takes to build, operate and maintain IT solutions across all sectors and industries.
- We deliver consistent quality because our methods have been developed by practitioners for practitioners and continuously improved over 24 years.
- We challenge, innovate and ensure that Development and Operations work together to ensure stability with speed.
- Our delivery approach focuses on safeguarding customer outcomes to ensure we deliver them on-time, within budget and to the highest quality.
- Our methodology has proven success in delivering customer vision, and is flexible and adaptable, designed to facilitate collaboration, and align with customer processes.
- Delivery excellence is deeply rooted in our DNA.



Our end-to-end transformation delivery capability

TRANSFORMATION STRATEGY



Supporting digital transformation through sustainable change and innovative technologies.

INNOVATION



Enhance your teams and services with guided innovation and partner acquisition services.

LEGACY TRANSITION AND REPLACEMENT



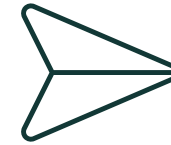
Modernise your digital landscape with legacy system migration.

USER ADOPTION AND IMPLEMENTATION



Secure successful user adoption of new processes and technologies.

CAPABILITY AND CAPACITY BUILDING



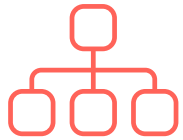
Build teams quickly with skilled resource deployment and capability training

ENHANCING LIVE OPERATIONS SECURELY



Maintaining improved functions through secure Managed Services and Operations.

Our end-to-end transformation delivery capability



Architecture Services

Build scalable and resilient technical frameworks for new products and services.



Product Design and Engineering

Expertly design, develop and test new services using Agile methods.



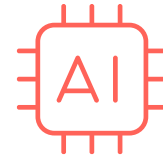
DevOps

Automate and integrate security and efficiency between development and operation teams.



Data and Analytics Management

Discover new opportunities and improve performance through data.



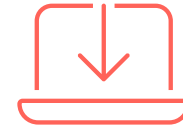
Automation and AI

Enhance productivity and reduce cost using cutting-edge automation.



Cloud Adoption

Migrate IT infrastructure, applications and data to cloud-based platforms.



Modern Workplace

Leverage the power of cloud computing to work anywhere, anytime.



Managed Services

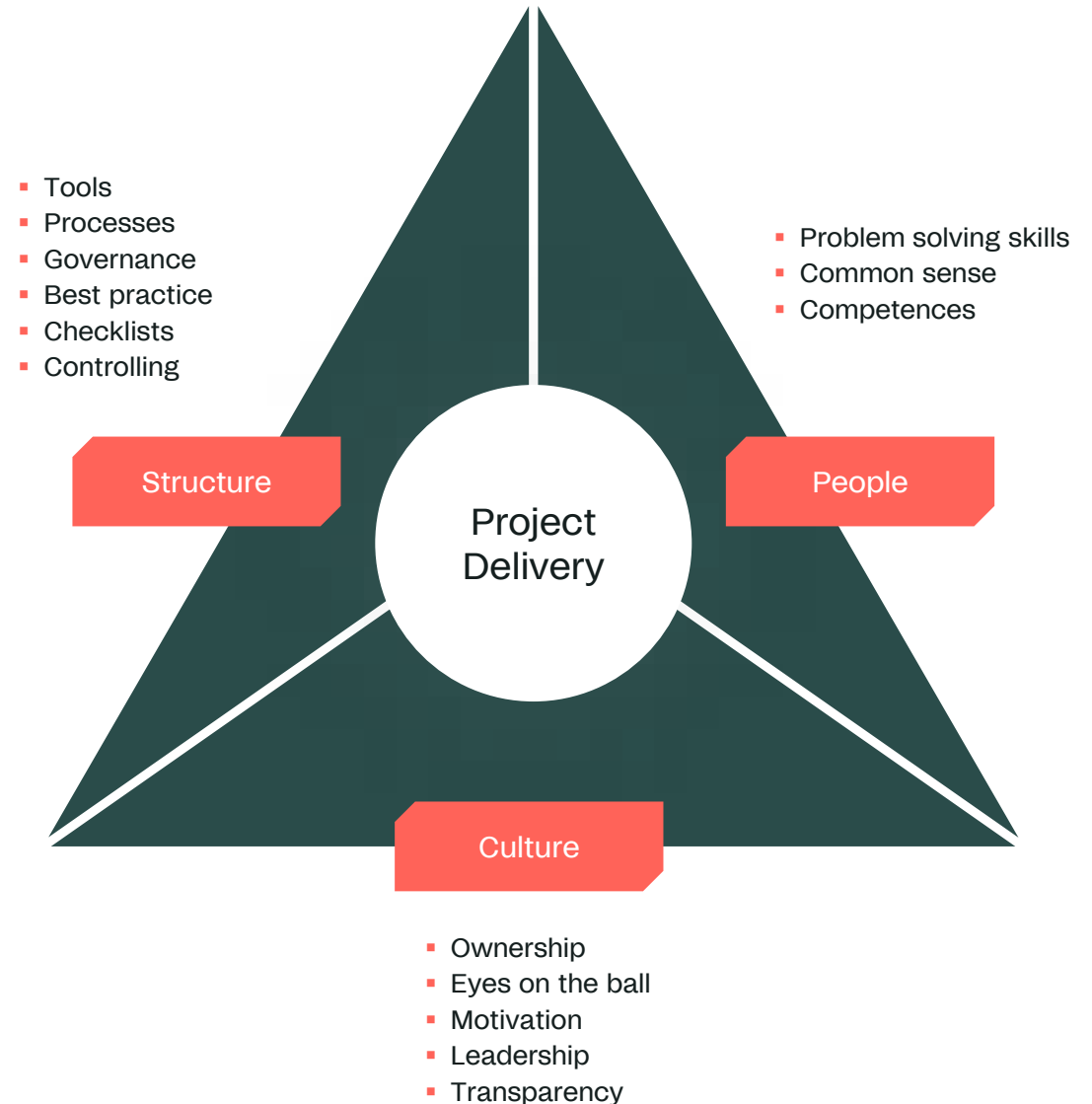
Extend your team's productivity with reliable, trustworthy and expert talent.

Netcompany project delivery culture

Netcompany's project delivery approach is a combination of structure, people and culture

- The right **structure** provides the overview of a complex project
- The right **people** transforms that overview to the right decisions
- The right **culture** provides the ability to turn these decisions into actions

Without one of these a successful project delivery cannot be executed.



Accelerating successful digital transformation in the public sector

Platforms for the Future

CONTROL TOWER



PULSE™ is a control tower for a real-time data ecosystem that allows businesses to share and act on a single source of truth.

It facilitates adaptable planning and forecasting in changing circumstances, breaking down silos and providing a single view of plan, execution and results.



PROCESS AND ADMINISTRATION



AMPLIO™ is our platform for regulated case management and process automation in highly compliant environments. It's a powerful tool for digitising and controlling complex processes, providing a single source of truth for all business executions.



DIGITAL POST & ARCHIVE



AMI™ is a secure platform that connects businesses and people. As a Digital Wallet, it offers a range of compliant 'my site' features like archive, profile, sign, and pay-as-a-service.

Additionally, AMI allows fast data and document exchange with other businesses.



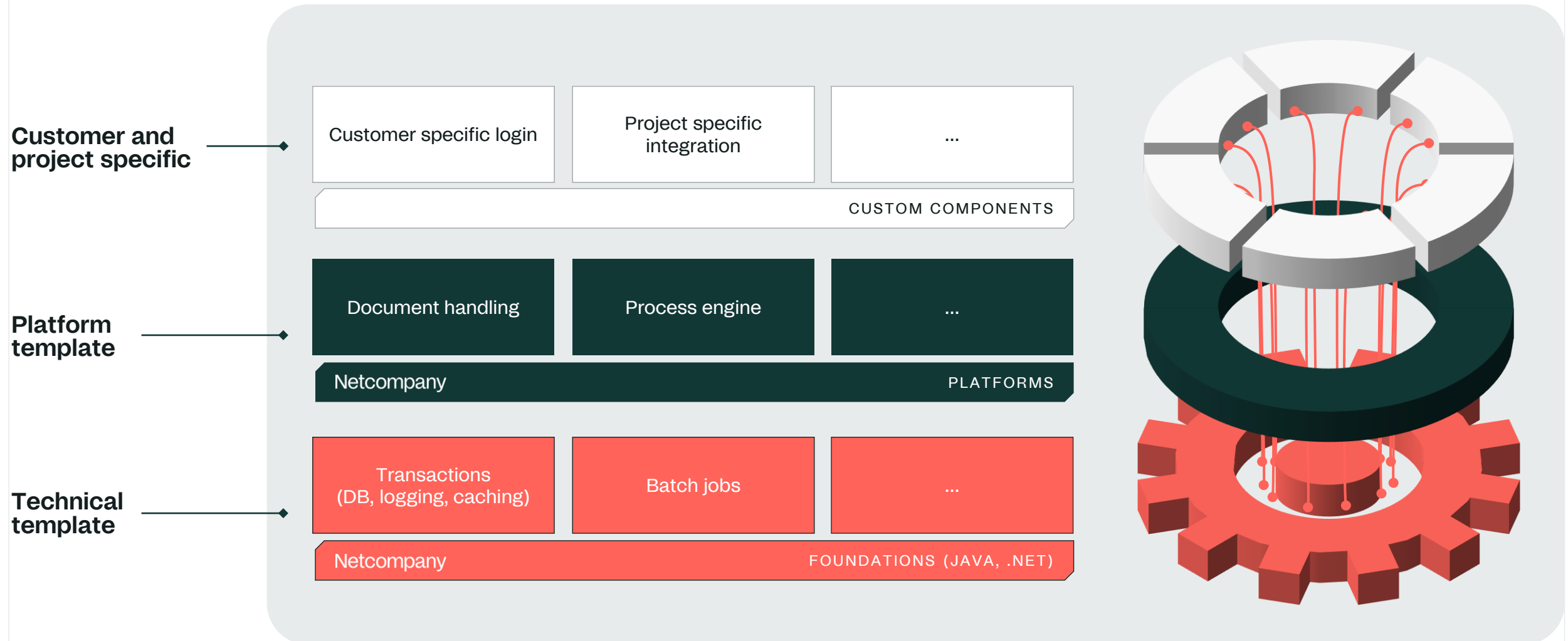
GENERATIVE AI PLATFORM



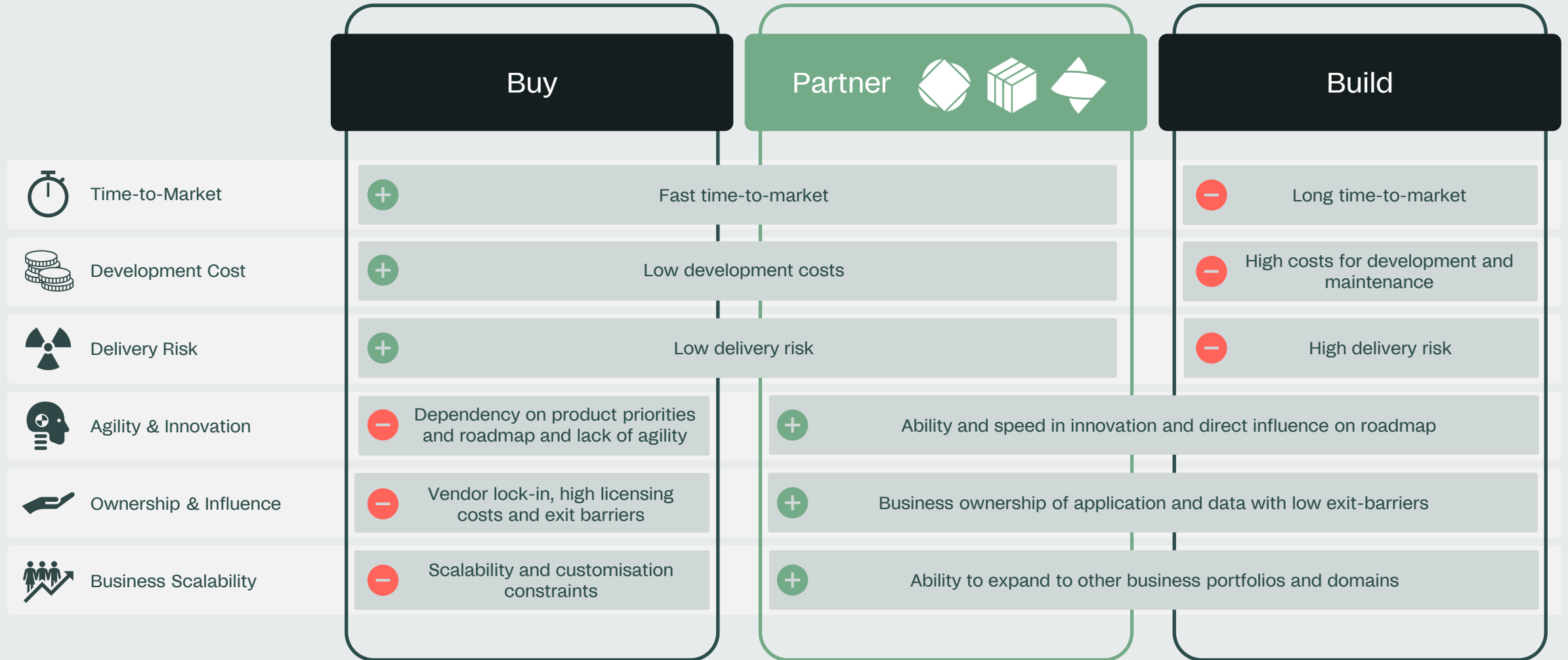
EASLEY AI™ orchestrates and leverages existing AI models, quickly connecting them to your unique business data, tools, and processes, centralising and storing data securely within EASLEY – not with the model provider – to ensure full transparency and governance of AI.



Our solutions are composed of: Foundations, Platforms, and custom components



The strategic benefits of NC platforms



Why a Netcompany Platform?

■ Flexible platforms empower business agility

Our platforms' flexible and multi-purpose architecture provides a unique competitive advantage, enabling businesses to quickly adapt to changes in their market and stay ahead of competitors.

■ Scalable platforms cut specialist costs

Built on a standard architecture and utilising best-of-breed frameworks, our platforms eliminate the need for expensive platform specialists and allow businesses to quickly scale their development teams, reducing costs and enabling rapid growth.

■ Empower your community, control your costs

Our platforms provide full ownership and support to build a strong internal development and delivery community, while tapping into our network of platform customers to establish an external community, enabling businesses to forecast their operational and capital expenditures with confidence.

■ Battle-tested core streamlines product development

Our platforms leverage commodity functionality built on a battle-tested core, streamlining the development process for new products and accelerating time-to-market, reducing costs and eliminating expensive license fees.

■ Confidently handle complex business scenarios

Our platforms are designed to handle complex business scenarios, from nationwide GDPR-compliant messaging to highly-regulated process management and real-time adaptable planning, providing businesses with a strong foundation to confidently handle their domain and focus on driving success.

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Want to know more?

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[Netcompany.com](https://netcompany.com)

