Netcompany

Data Cataloging and Metadata Management 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
Revenue in 2023

8
Countries in operation

7,700+
Employees end of 2023

Selected Customers

HM Revenue & Customs

NHS

Home Office

Ministry of Defence

national highways

Cabinet Office Digital

Norway

Denmark

Vietnam

UK

Netherlands
Belgium
Luxembourg

Poland

Greece

● Countries in which we have more than 50 employees

01
10

Data Cataloging and Metadata Management Service

Netcompany specialises in implementing Data Cataloguing and Metadata Management, which enables organisations to manage vast amounts of the data assets by allowing users to understand what data they are responsible for, how it's processed, where it's stored and how best to exploit the value of data assets whilst managing risk.

Service Features

1. Connect and Catalog any data asset
2. Visualise end to end data lineage
3. Empowering data-driven decision making
4. Collaborative business glossary
5. Associate business terms to technical assets
6. Data relationships and recommendations
7. Harvest metadata from various sources
8. Metadata curation

Service Benefits

1. Achieve complete tracking of data movement and detailed impact analysis
2. Eliminate manual associations of business terms to technical data assets
3. Automate data curation and enhance user experience
4. Identify dependencies, gaps and overlaps, and collaboration opportunities
5. Scan metadata and compute data lineage at big data scale
6. Improving overall data governance and control
7. Shared awareness and common understanding of data
8. Ensures vision aligns to and supports organisational strategy and objectives
9. Gather, store, process, analyse and visualise metadata of any variety
10. Centralised metadata management with streamlined communication

Data Cataloging and Metadata Management Service

Who is this for?

Organisations who want an organised inventory of data assets. It uses metadata to help organisations manage their data. It also helps data professionals collect, organise, access, and enrich metadata to support data discovery and governance.

- Data engineers who want to know how any changes will affect the system as a whole.
- Data scientists who want easy access to data and they want to know more about the quality of the data.
- Data stewards who manage the data process. They care about concepts, agreements between stakeholders, and managing the lifecycle of the data itself.
- Chief Data Officers who care about who is doing what in the organisation.

What is the Service?

A suite of tools, frameworks, processes and technologies to capture the metadata of an organisations data, to increase operational efficiency and contribute to better understanding of data through improved context.

These include:

- Connect and Catalog any data asset
- Visualise end to end data lineage - a detailed history showing the original source and journey of the data.
- Empowering data-driven decision making
- Collaborative business glossary
- Associate business terms to technical assets
- Data relationships and recommendations
- Harvest metadata from various sources
- Metadata curation

What does it do?

- Metadata management enables to extract, organise and enrich metadata such as database schemas, transformations, quality checks, business context information and usage stats.
- Provides simplified processes of identifying data, helping to increase employee productivity.
- Enforces consistency in naming, definitions, and metrics, ensuring that different teams within an organisation are aligned in their understanding and use of data.
- Provides a process to handle sensitive data correctly and access is granted appropriately.
- Provides the structure and content of data to help identify trends and potential data quality issues with scope to address issues identified

How do we do it?

We specialise in delivering the following metadata artifacts:

- Technical metadata: Schemas, tables, columns, file names, report names – anything that is documented in the source system
- Business metadata: This is typically the business knowledge that users have about the assets in the organisation. This might include business descriptions, comments, annotations, classifications, fitness-for-use, ratings, and more.
- Operational metadata: When was this object refreshed? Which ETL job created it? How many times has a table been accessed by users—and which one?

These artifacts contribute towards the construction of a data catalog, a unified view of all data assets within an organisation, who is responsible and what value the organisation is receiving from the data.

Case Study

Home Office – Augmented Data Catalogue (ADC)

The Data Catalogue enables the Home Office to manage its vast amounts of the data and information assets. It enables users to understand what data they are responsible for, how the data is processed and where it's stored. It also helps to collaborate across the department and exploit the value of data and information assets whilst managing risk.

Problem

Home Office do not fully understand what data the department holds, which may lead to incorrect business decisions and operational failure. Senior leaders do not have visibility of their data to ensure compliance with the law or policy and to then ethically exploit value. This can lead to ICO (Information Commissioner's Office) reprimands; reputational damage; a loss of public confidence and trust; and missed opportunities.

As per Recommendation 22, Windrush Lessons Learned Review, March 2020 - "The Home Office should invest in improving data quality, management information and performance measures which focus on results as well as throughput. Leaders in the department should promote the best use of this data and improve the capability to anticipate, monitor and identify trends…"

The DDaT Enterprise Data Strategy (Nov 2018) identified high level issues centred around a lack of data standards, multiple collection and dissemination methods, lack of links between business and technical definitions, duplication and bespoke/manual processing and integrations.

Solution

The implementation of a fully resourced and managed data catalogue solution was approved to address these above problems, as well as addressing Windrush recommendation 22.

Netcompany was engaged in 2021, for conducting a proof of concept (PoC) using two Informatica products viz Enterprise Data Catalogue (EDC) and Axon Data Governance. On successful completion of PoC, Netcompany has been awarded a pilot phase to address the issues on real data using Migration & Borders Technology Portfolio (MBTP) datasets.

- Netcompany implemented a comprehensive Enterprise Data Catalogue and Data Governance framework for HO supported by a detailed blueprint, to ensure that metadata is managed effectively and efficiently across the Home Office departments.
- We designed and scanned several datasets using EDC including data lineage to provide visual representation of assets.
- We integrated Enterprise Data Catalogue with the Axon Data Governance to enable a collaborative data governance program across HO data landscape. This allows business users to define all of their key elements, discover all relevant data throughout the organisation, and can see the quality of that data in real time.

Benefits

- Gives visibility and understanding of data.
- Improved knowledge of datasets and mapping can increase better use of data.
- Home Office can see if data has been deleted, shared, retention schedules etc.
- Better understanding of data risks
- Other departments will have data catalogues which can link, so better visibility of cross govt data.
- Home Office can apply standards, taxonomy and policies to each data asset driving-up quality and reuse.
- Home Office can resource and support them and their owners, with an estimated £8m of efficiency savings.

Netcompany

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.
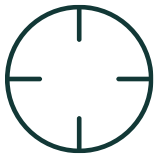
Preferred provider of end-to-end services

- 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.

Agile and solid execution

Innovative approach

True DevOps

Customer

Company
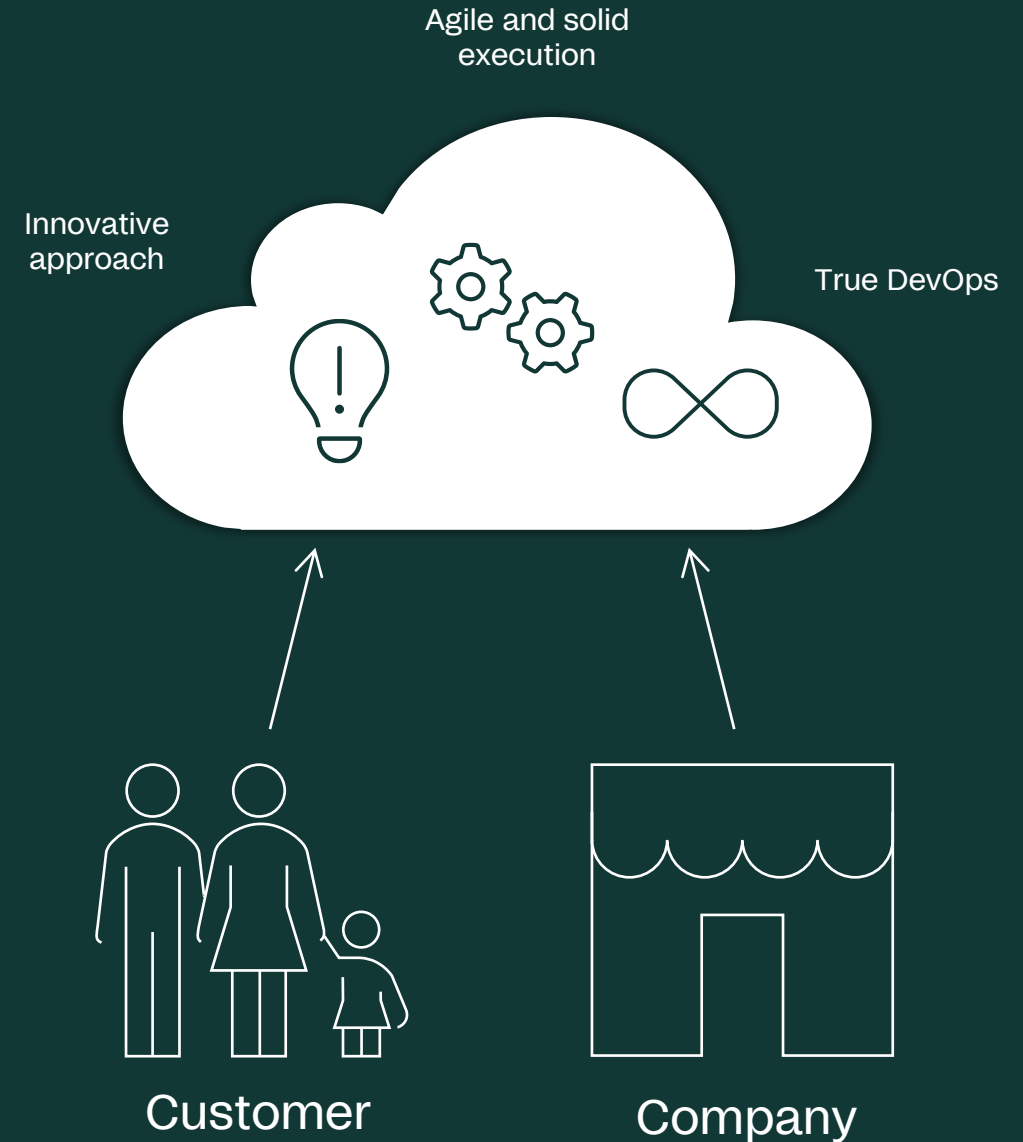
Our end-to-end transformation delivery capability

TRANSFORMATION STRATEGY

INNOVATION

LEGACY TRANSITION AND REPLACEMENT

USER ADOPTION AND IMPLEMENTATION

CAPABILITY AND CAPACITY BUILDING

ENHANCING LIVE OPERATIONS SECURELY

Supporting digital transformation through sustainable change and innovative technologies.

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

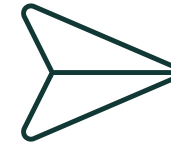**Modernise** your digital landscape with legacy system migration.

Secure successful user adoption of new processes and technologies.

Build teams quickly with skilled resource deployment and capability training

Maintaining improved functions through secure Managed Services and Operations.

Our end-to-end transformation delivery capability
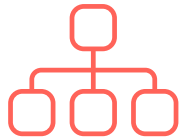
Architecture Services

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

Product Design and Engineering

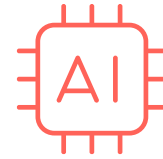Expertly design, develop and test new services using Agile methods.

DevOps

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

Data and Analytics Management

Discover new opportunities and improve performance through data.
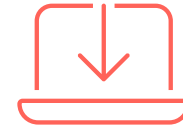
Automation and AI

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.

- Tools
- Processes
- Governance
- Best practice
- Checklists
- Controlling

- Problem solving skills
- Common sense
- Competences

Structure

People

Project Delivery

Culture

- Ownership
- Eyes on the ball
- Motivation
- Leadership
- Transparency
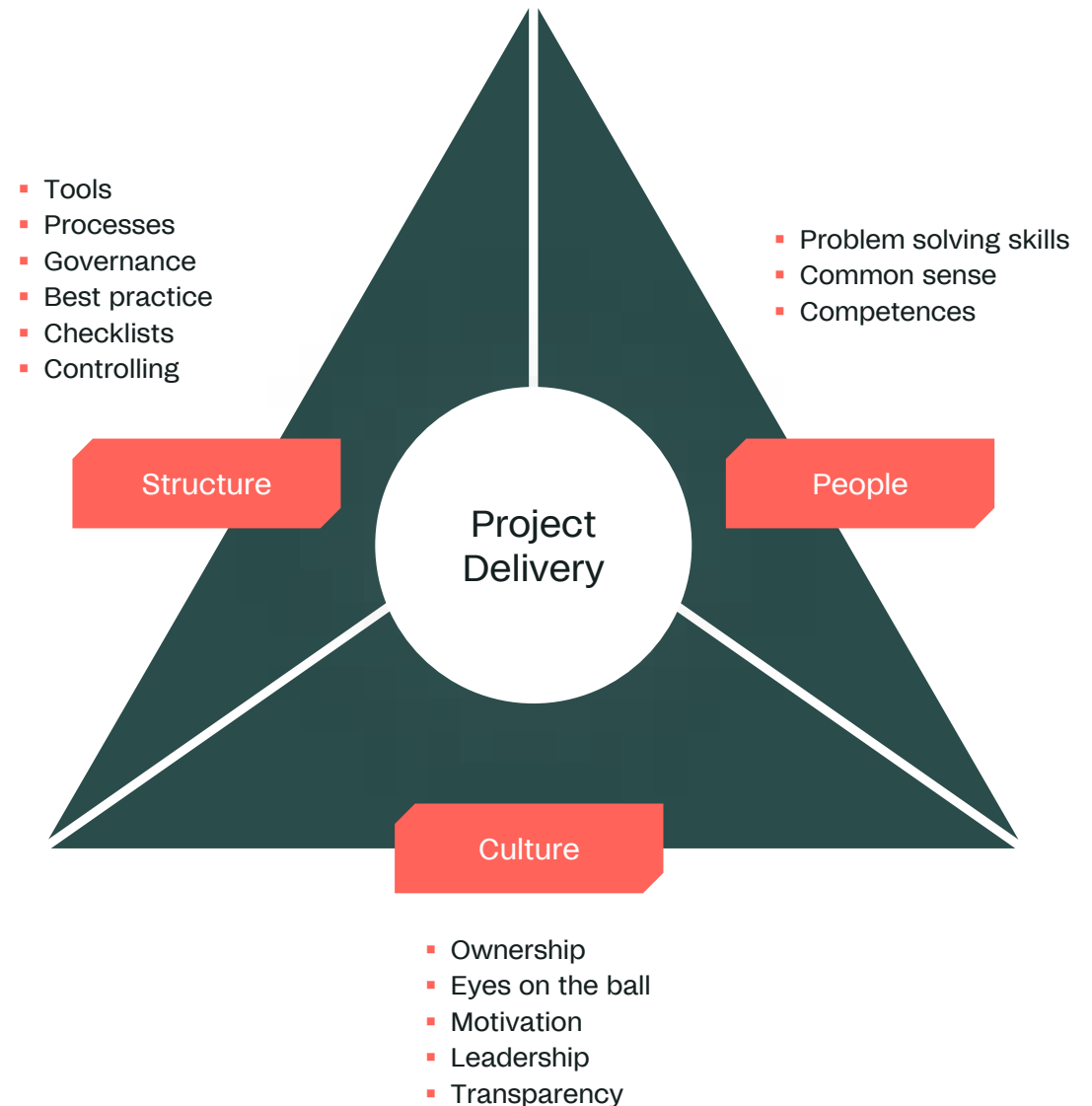
Accelerating successful digital transformation in the public sector

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.

PULSE

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.

AMPLIO

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.

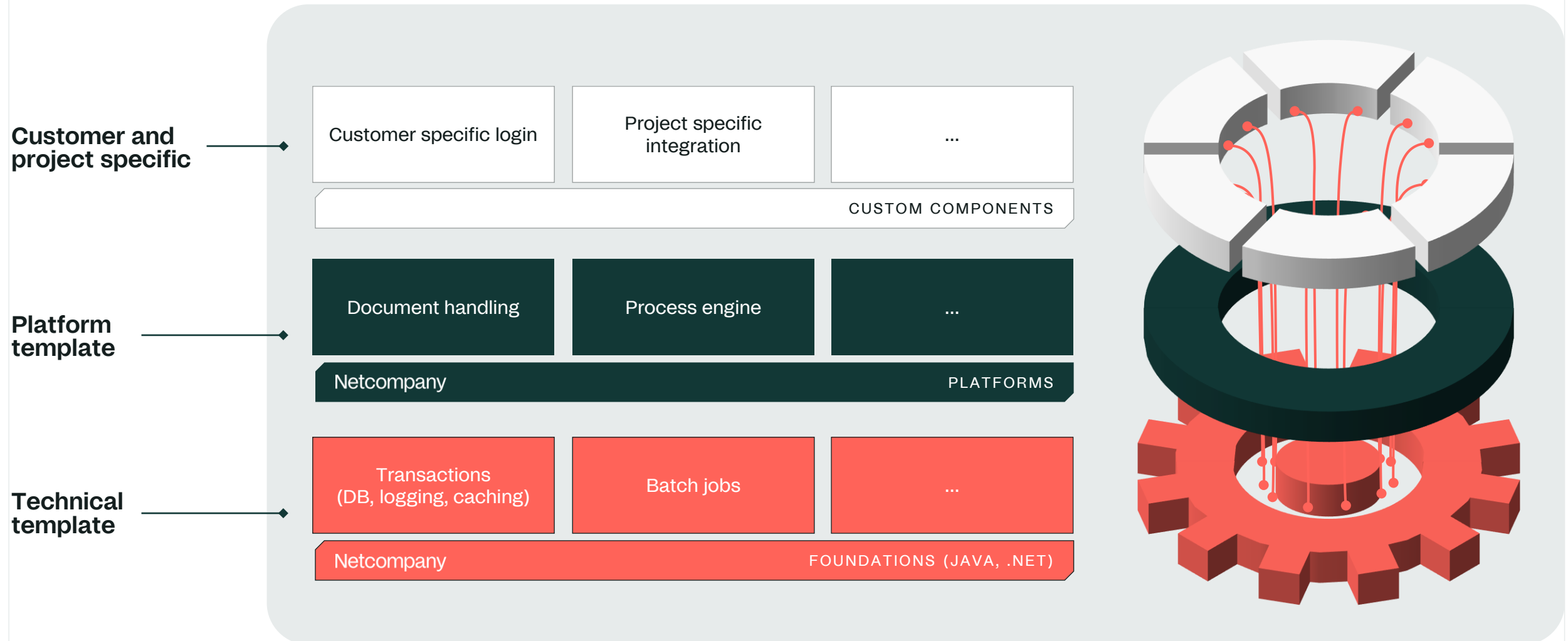Additionally, AMI allows fast data and document exchange with other businesses.

AMI

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.

EASLEY AI

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

Customer and project specific

| Customer specific login | Project specific integration | ... |

CUSTOM COMPONENTS

Platform template

| Document handling | Process engine | ... |

Netcompany   PLATFORMS

Technical template

| Transactions (DB, logging, caching) | Batch jobs | ... |

Netcompany   FOUNDATIONS (JAVA, .NET)

The strategic benefits of NC platforms

	Buy	Partner	Build
⏱ Time-to-Market	➕ Fast time-to-market		➖ Long time-to-market
🪙 Development Cost	➕ Low development costs		➖ High costs for development and maintenance
☢ Delivery Risk	➕ Low delivery risk		➖ High delivery risk
🧠 Agility & Innovation	➖ Dependency on product priorities and roadmap and lack of agility	➕ Ability and speed in innovation and direct influence on roadmap	
🤲 Ownership & Influence	➖ Vendor lock-in, high licensing costs and exit barriers	➕ Business ownership of application and data with low exit-barriers	
📈 Business Scalability	➖ Scalability and customisation constraints	➕ Ability to expand to other business portfolios and domains	

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