



WHITE PAPER **Our Impact**

How we face our biggest challenges
will reveal who we really are.





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The future **we** are creating must be
better, profitable and responsible.



01

Introduction

Introduction



What does it mean to be relevant and impactful today?

It means willing to face our biggest challenges and participate in a collective effort to solve humanity's most pressing needs. Leveraging technology, creativity and overall innovation.

Where does innovation come from?

The simplest answer is that innovation arises when business and human needs are met by new technologies.

But, an even more important question is: **where is innovation leading us?**

Of course, the answer depends on how we balance and manage the three different elements of this equation. Recently, we have experienced a huge shift in attention from the fascination for short-term results in innovation (whether it is real innovation or simple evolution) to a more aware and strict analysis of costs and benefits of each novelty. This massive change in paradigm particularly involves technology itself: after years of using it to optimize and improve existing processes, nowadays we have the incredible opportunity to leverage these technologies with

our creativity and rethink the way we live and work.

The approach towards innovation has changed because core values of reference have shifted.

During the pandemic, economies globally were halted to preserve individual lives. This was an imperative in the short run but has become a guiding light for the future. Continuing to put our best efforts, minds, skills, and technologies together to tackle the biggest and most pressing issues (Healthcare, Energy Transition and Efficiency, Climate Change, Digital Citizenship and Responsible Growth) is the approach we feel is the best for the future as well.

Innovations should be guided by both the old and new generations together.

What can the term 'digital' mean for those who have not experienced the pre-digital world? For the new generation that is starting to occupy its active role in society and companies, digital is a given. This is a totally different approach to innovation and digital evolution. Digitalization is still a priority in all sectors, as it is not yet fully achieved, but it is already time to shift focus from technology itself to how it can address the bigger issues we are concerned about, as everything gradually gains a digital dimension.

What role can technology play in innovation?

Technology can be a tool to ground our creativity, needs, beliefs, improving the quality of the way we live and work. Our purpose is to elevate technology, together with all our stakeholders, and to make it more meaningful and relevant every day. Looking ahead and looking far away is the route forward for all, and for this reason, we are not only presenting our best case studies - stories of things we have done - and our research projects - stories of what we are experimenting with - but also use cases.

The general discussion these days is more about what can be done with this digital toolbox rather than what has been done in recent years.

Through our commitment, we contribute to bringing new ideas and inspiring all our stakeholders to continuously evolve the ecosystems in which we operate, **shaping a new world together** with a generation that sees in digital not just a word but the key to **a better future**.





Organizations today need to evolve and improve remaining **economically** and **responsible** viable.



02

A new Era

Our decisions will be shaped by our creativity, our purpose and our sense of responsibility.

We always were aware we were having an impact on the world we lived in and worked in. Bringing the best technologies to the service of our needs, evolving and growing businesses and opportunities.

In recent years, however, our ambitions have transcended mere economic and business advancement through technology. We've set our sights on becoming a transformative force for good, actively engaging with the world's most pressing challenges. Our aim is to enable a space for collaboration and progress.

We can rely on innovative, revolutionary technologies that can be elevated by people's creativity. As individuals we are motivated by higher purposes and a renewed sense of responsibility. Together, we can shape a new tomorrow, better for everyone: **a new Era awaits us.**



Paradigm shifts

Creativity

Technology is shifting from Optimization towards Creativity. The level of maturity and composability reached by technology enable creativity in facing current challenges.

Purpose

Co-designing the future by acknowledging new core values and needs, governing continuous waves of technology innovation to reshape this world and deliver a new tomorrow.

Responsibility

Ensuring economic growth and improving delivery of solutions and services must be coupled by a new found sense of responsibility of how we use resources and how we produce.



What drives people is **creating value in a meaningful way**. But organizations still need to grow and achieve their business objectives.

To make our vision clear, we have focused on **three fundamental perspectives** that define our role as an organization within various ecosystems, describing not only what has been done but, above all, what we can do by collaborating with all those who wish to embark on **a new journey**.



Our Digital Ecosystems:

SERVE

MULTIPLE STAKEHOLDERS

LEVERAGE

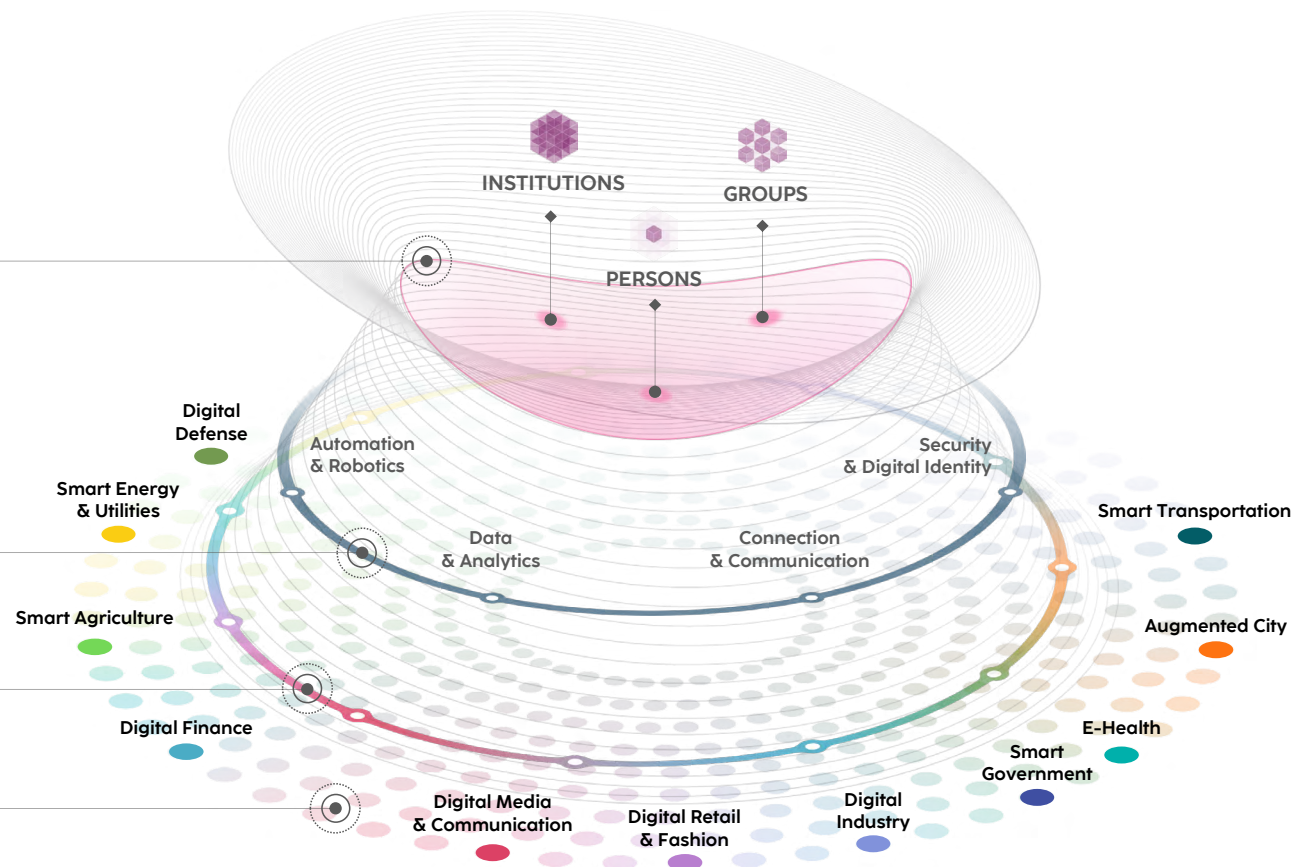
DATA & TECHNOLOGY THROUGH
HORIZONTAL TECHNOLOGY PLATFORMS

DELIVER

VALUE THROUGH
VERTICAL BUSINESS SERVICES

COMBINE

OUR TECH SKILLS WITH
OUR KNOWLEDGE OF ALL MARKETS



DISCOVER MORE ABOUT OUR ECOSYSTEMS

+ Wellbeing + Smart Mobility + Energy Resources & Sustainability + Wealth & Commerce + Digital Citizenship

Three imperatives to guide our impact:





03

Improve: safety & quality of life

Renewing your ID documents, dealing with paperwork or paying bills in just one click from your phone or computer, any time of the day or night, without spending hours queuing; finding a parking spot instantly and avoiding the traffic, which also helps to cut pollution; choosing the best public transport for your commute to work; having reliable remote medical care meaning you can get a fast appointment and quick diagnosis or be monitored by a specialist in the comfort of your own home; having instant access to your electronic medical records; having your treatment customised to your genetic profile to make it more effective and reduce side effects; leaving home feeling safe; enjoying an immersive experience in a museum, free of physical restrictions or language barriers.

These are just a handful of the tangible examples that highlight the impact of new technology on everyday life, **saving valuable time, minimising inconvenience and improving well-being.**

The potential is huge, because digital technology is all about opportunities that organisations, businesses and the general public should embrace for improved safety and a better quality of life. And making traditional services smarter isn't enough.

We need to foster an innovation driven culture, adopting technology ethically, safely and responsibly, ensuring it

is accessible to all. Digital literacy and equitable access are priorities to ensure that everyone can benefit from technological innovations, regardless of where they live, thereby contributing to the more equitable economic and social growth of the local area and the country as a whole.

Consequently, it is crucial for governments to **plan infrastructural development** not only on the basis of people's current needs but also on future needs, with an ecosystemic approach that includes key sectors such as social, health and transport. This means a medium to long-term planning with increasingly strategic **synergy between the public and private sectors**, including through the partnership called for under the Italian Procurement Code.

At ENG, we are leading the way, working alongside organisations of all sizes on a daily basis throughout their digital transformation process putting people at the centre of actions and strategies.

Cutting-edge technologies such as **Artificial Intelligence** and **Digital Twins** come into play here, not least from the perspective of **data-driven governance**.

The first to analyse huge amounts of data quickly and efficiently, trigger prevention plans, map territories to create an integrated system of information to provide timely



Fig.1 - Safety & quality of life

responses, base choices on real and not assumed data, and initiate proactive public policies, ensuring that everyone receives medical care or adequate social assistance.

Digital Twins (of cities, infrastructures or the human body, to name but a few uses), meanwhile, are used to understand how a decision may impact the real-world environment and consequently, on the basis of the diverse data collected, to find solutions or make contingency plans in order to be more resilient.

We're looking at the transport system, logistics and infrastructure to optimise travel, while ensuring safety and interoperability, as well as facilitating active public involvement in urban planning, public space management and land use, helping to create a better urban environment, and also helping to implement more effective health policies. But that's not all.

The adoption of the **Cloud** provides greater flexibility, scalability and accessibility to public services.

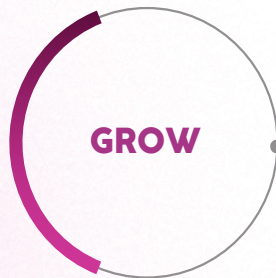
Proprietary platforms offer targeted solutions and a secure digital environment. Put simply, implementing these technologies both streamlines administrative operations and improves the experience of ordinary people by delivering services that are timely, safe, and responsive to their needs.

This is why, in an age dominated by digital media, **we see technology not as the end but as the means to** genuine progress.

We believe that **digital humanism** is the foundation of good governance and a future in which innovation is key to providing equitable and inclusive services and thus to building an advanced and interconnected society.

04

Grow: economic & cultural development



Ensure economic & cultural development

AI-DRIVEN VALUE

Create value from data, use AI and achieve real technological and social progress

COMPOSABLE BUSINESS MODELS

Generate a positive impact through innovative, connected, and composable business models

CYBER AWARENESS

Enable secure business development by cultivating training, ethics and a digital culture

Imagining what the future will look like in terms of economic and cultural development is no easy task. We are faced with **unpredictable complex systems** on a daily basis and the most accurate predictions are the ones made in hindsight (according to philosophers).

One thing that is for sure is that the manufacturing sector has been severely tested by the **health, economic and social crisis** caused by the recent pandemic (drop in demand, difficulties in the movement of people and goods and in the supply of raw materials, disruption to value chains, etc.) and the economic recovery, which began in 2021 thanks also to aid from the European Union, risks being compromised by new **disruptions and uncertainty on the international stage**.

As a result, it is becoming vital for every company and organisation to at least identify the set of **relevant data**

to be analysed to understand the phenomena and to be able to make informed and conscious decisions on the direction their business should take.

Data has long been, and will increasingly be, a **strategic resource** for improving business efficiency, effectiveness and competitiveness, provided it is properly managed and integrated into business systems.

Focusing on their value is central to **creating and shaping new business models and new revenue streams**: AI enables not only increased productivity, quality and diversification of products and services, optimisation of the value chain and optimal allocation of available resources, but also access to new markets and the development of entirely new business opportunities by knowing and anticipating customer needs, preferences and behaviour.

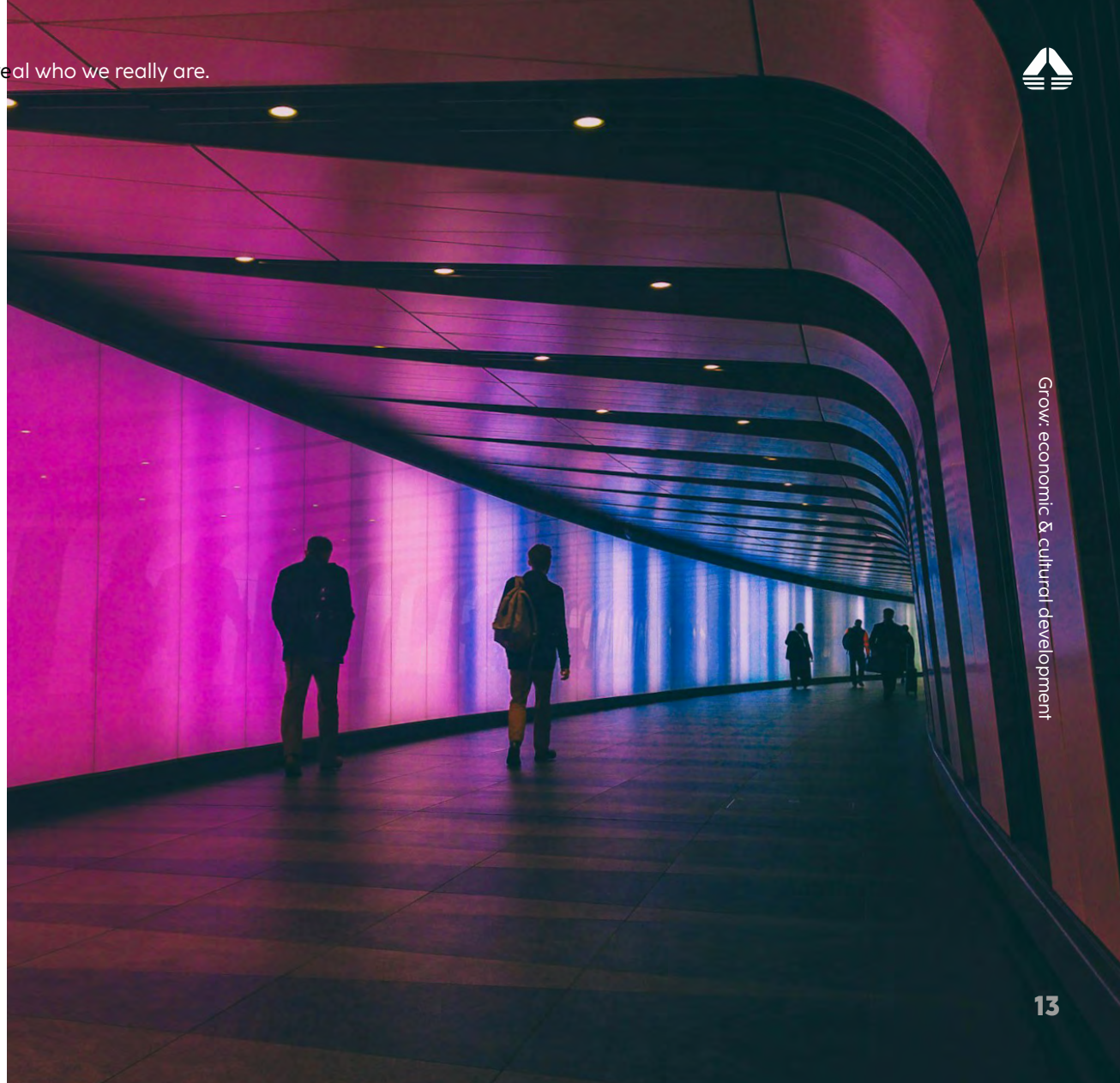
Fig. 2 - Economic & cultural development

To become a data-driven organisation and take full advantage of the benefits that this brings, there are a number of challenges that must be addressed, first and foremost relating to **quality, security, privacy**, transparency, data protection and the creation of **analysis models** to build **relevant** processing algorithms that can generate **accurate, relevant and reliable** results. At the same time, cultural and organisational transformation must also be addressed.

By digitising business, risks and responsibilities are also digitised and in order to mitigate their potential consequences (discrimination, manipulation, harmful errors), there is a need to promote **a digital culture that is truly ethical, responsible and aware**, through participation, collaboration and dialogue between the various parties involved in the digital transformation process.

The cultural environment in which the technology is designed and developed is of paramount importance.

If the cultural ecosystem is ethical, that culture's technological system will perform as intended and help **make a positive impact** in the world and contribute to high-performance, equitable, dynamic and fair economy.





05

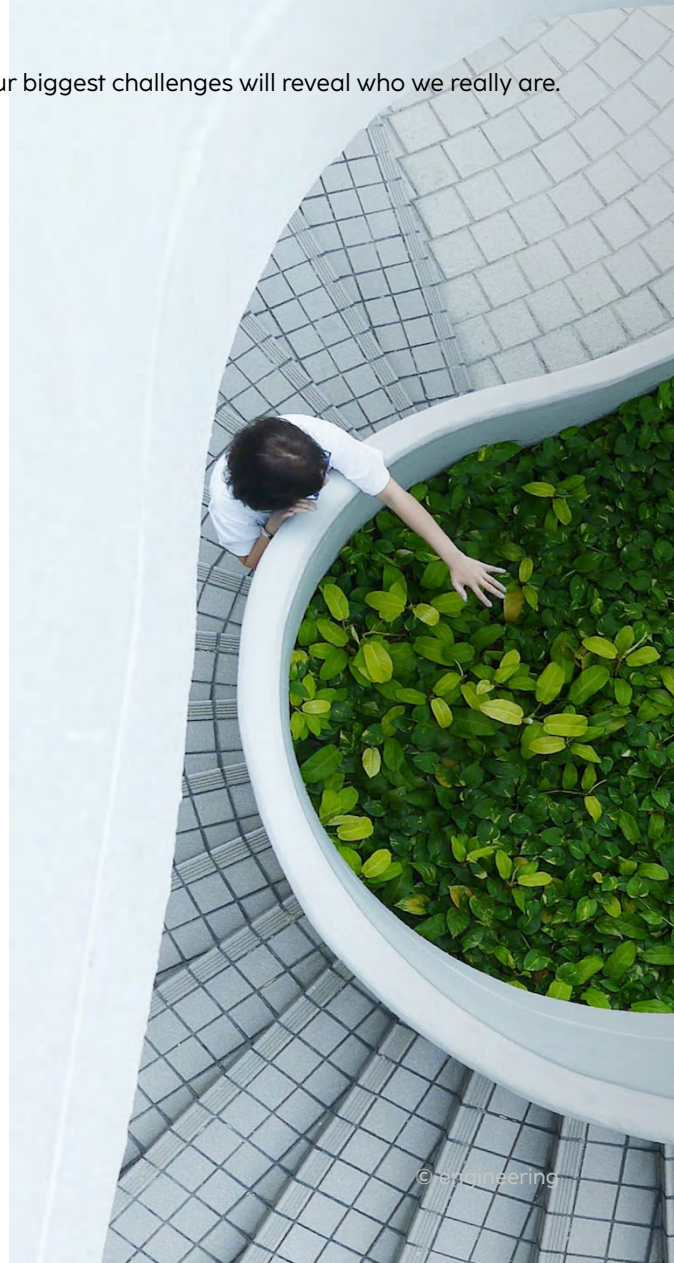
Enable: ecological & energy transitions

We have witnessed a significant transformation in our approach to technology in the last few decades.

While in the past the focus was predominantly economic, with the primary objective of generating profits and improving competitiveness, in recent years, and especially as a result of the pandemic, there has been a growing **awareness of the impact of our actions and decisions.**

In this scenario, technology is a crucial ally. 'Next Generation Businesses' are emerging which, with a renewed sense of responsibility, is reevaluating approaches and processes: from supply chain to production, from human resource management to technological innovation.

These purpose-driven organisations embrace emergent





technologies to address global issues like the transition to a greener and more energy-efficient future, calling for unprecedented collaboration to achieve a common goal. **Our focus is on more than simply optimising existing processes.**

We are rewriting the story, moving towards **responsible production and consumption models**, aimed at promoting investment in resilient businesses and redefining the relationship between people and the environment.

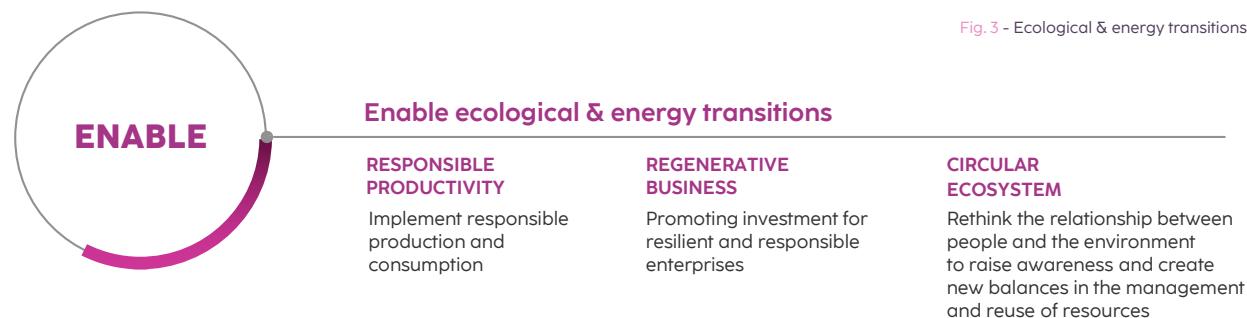
This drives us to strike new balances in resource management, laying the foundations for a **regenerative**

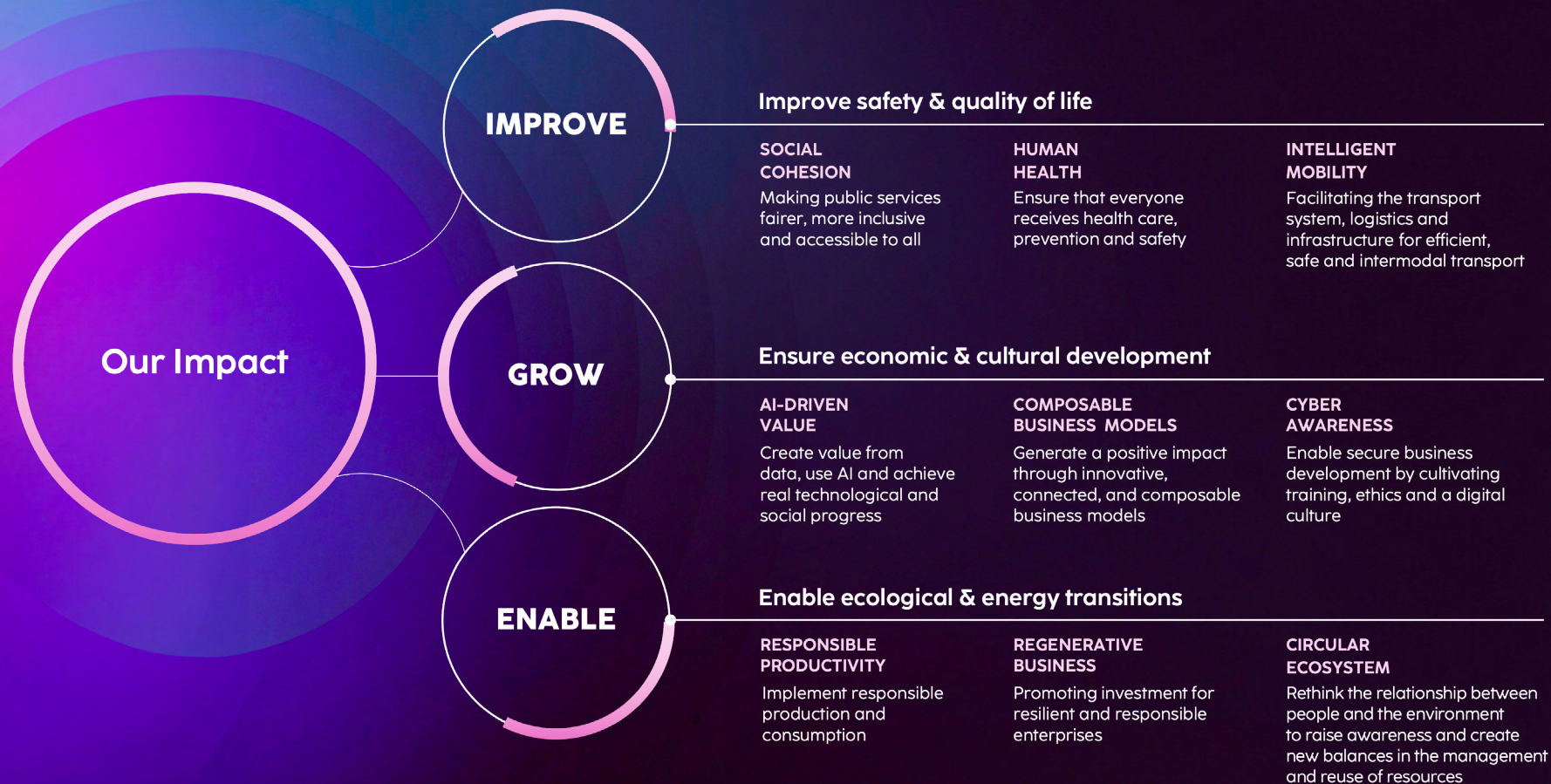
business that requires modular IT architectures to power smarter, creative and, crucially, circular digital ecosystems. Digitising processes in a **circular ecosystem** helps to balance the procurement, use and reuse of resources.

We provide concrete applications with the goal of creating a positive impact.

We are supporting a rapid and far-reaching energy and digital transition, working with governments, cities, organisations in various sectors and technology partners to develop **innovative solutions to current and future challenges.**

Fig. 3 - Ecological & energy transitions







Brand new ideas and solutions
shape the world we live in and
work in **enabling positive changes.**

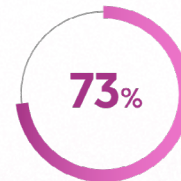


The challenges we can solve together

WHITE PAPER / Our Impact / How we face our biggest challenges will reveal who we really are.

Our stakeholders tell us.

Our survey* shows clear awareness of the major global challenges ahead of us in the foreseeable future.



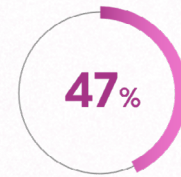
HEALTHCARE ACCESS



ENERGY TRANSITION AND EFFICIENCY



CLIMATE CHANGE



DIGITAL CITIZENSHIP



RESPONSIBLE GROWTH

Healthcare access

73% think we need to increase the use of telemedicine, improve prevention, and support research.

Energy transition and efficiency

64% think it is essential it is essential to increase the use of renewable energy sources, improve efficiency and reduce the consumption of resources.

Climate Change

60% highlight the urgency of mitigating the effects

of climate change, ensuring responsible production and guaranteeing the efficiency of the supply chain.

Digital Citizenship

47% feel it is important to ensure access to education, reduce the digital divide, improve public involvement and security.

Responsible Growth

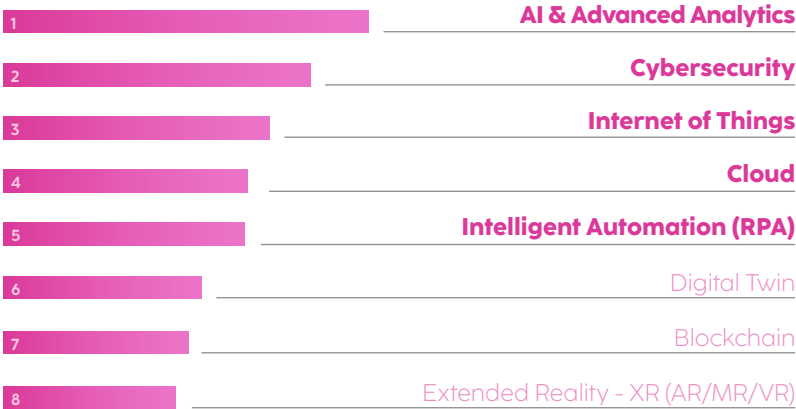
30% say we need to optimise production processes, value chain resilience and mobility.

* ENG's LinkedIn Survey with over 150+ respondents



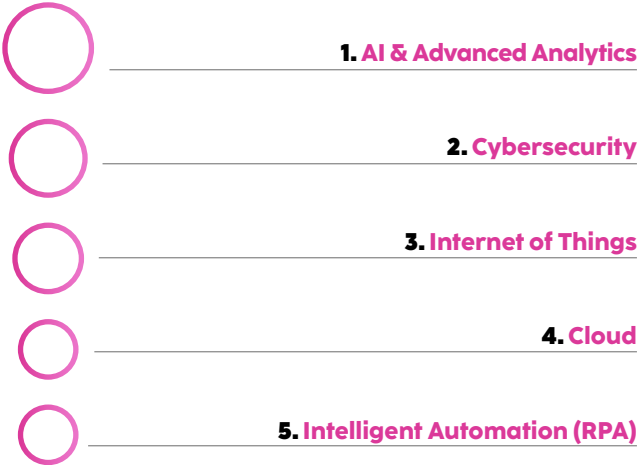
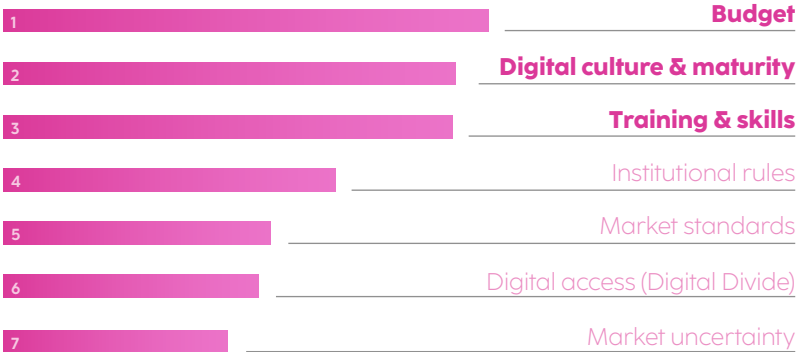
The Top 5 technologies for solving global challenges.

Rank the following **technologies** based on your perception of the **impact** they can have in **solving global challenges**, from the most important to least important.



The main hurdles to overcome today.

Rank the following **factors** based on your perception of the **impact** they may have in **hindering solutions to global challenges**, from the most important to least important.



The survey shows clear awareness of the major global challenges ahead of us in the foreseeable future. While there is a broad consensus on the transformative power of **Artificial Intelligence**, there are also concerns about **limited budgets**, the need for **regulation** and **collaboration** between institutions and businesses, and the vital **development of skills**.

The challenges we can solve together



Technology alone will not solve any of the massive issues faced by humanity. But none of these issues will be solved **without technology.**



OUR CHALLENGES

Healthcare access

INCREASE TELEMEDICINE

Solutions like **telemedicine** allow people to bridge distances and access professionals without actually leaving their homes.

Online apps and platforms can also provide **vital information on patients health**.

IMPROVE PREVENTION

The use of **IoT devices** for collecting clinical data provides an effective way to **monitor, securely manage, and prevent chronic diseases**. Patients can monitor their vital parameters daily, providing valuable information to specialists: a proactive management that reduces the

burden on healthcare systems, enabling more informed decisions for personalized care.

SUPPORT RESEARCH

Advanced algorithms and AI accelerate the identification of clinical patterns and treatments.

Secure large-scale data sharing in healthcare enables the scientific community to collaborate effectively in **addressing global challenges such as epidemics and pandemics**, providing timely responses.

The combination of AI, Advanced Analytics, and Big Data revolutionizes clinical decisions, biosurveillance, healthcare governance, and research, opening up new perspectives.



The challenges we can solve together



Key Trends

+650

Bln \$

THE VALUE OF THE
GLOBAL DIGITAL HEALTH
MARKET BY 2025.

47

Bln \$

THE FORECASTED
GLOBAL EHR MARKET
SIZE BY 2027.

280

Bln \$

THE VALUE OF THE
GLOBAL TELEMEDICINE MARKET
BY 2025.

Source: Statista

KEY ACTIVITIES

+ Telemedicine + Artificial Intelligence + Big Data + Genomics + Research + Prevention
+ Territorial Care + IoMT (Internet of Medical Things) + Chronic Disease Management

KEY INDUSTRIES

+ Healthcare



OUR CHALLENGES

Energy transition and efficiency

PRODUCTION & CONSUMPTION GRID

The energy distribution network is evolving from a few large distributors to many smaller micro distributors: from the hierarchical model, where a few large power plants generate pre-planned energy, to a **smart grid model (Smart Grid)** where many non-programmable sources, including renewable ones, contribute to energy production and delivery.

Machine Learning, Deep Learning and algorithms enable accurate predictions and adaptation to changes in this new way of working.

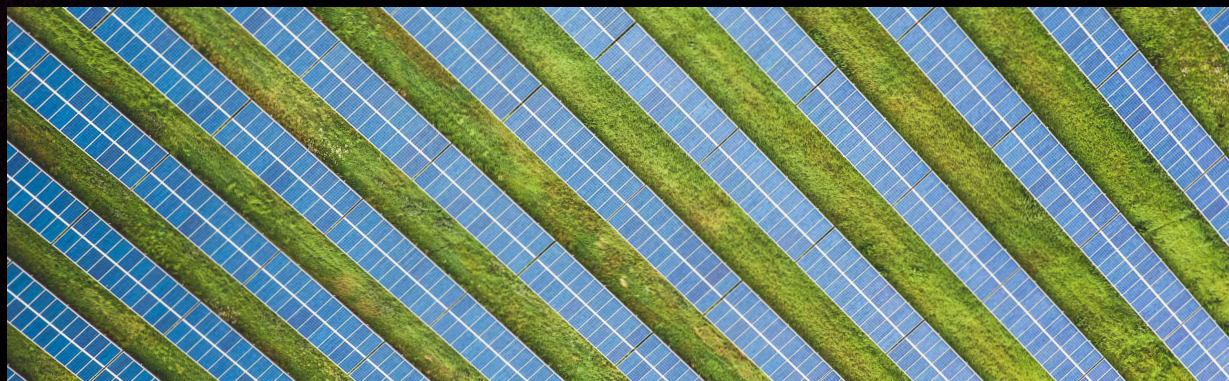
IMPROVE ENERGY EFFICIENCY

A **Digital Twin** helps to design and test solutions for **renewable energy sources** and 'circular' energy solutions, encouraging **intelligent demand and supply management and utilisation of waste to energy**

strategies. Associative algorithms interrelate the systems, **optimisation** algorithms identify the current load status of the electricity grid, simulation algorithms make it possible to assess performance trends, the number and ideal location of sentinel systems, from which real data can be extracted to optimise the load projection.

REDUCE ENERGY WASTE

Digital technologies and sensor devices enable **Smart Home** systems to use the data collected to monitor, control and adjust lighting, heating and air conditioning to suit individual preferences and to make energy use more efficient, even remotely, via apps. In urban environments sensors, cameras and **Smart Lighting** solutions allow lighting to be used only where and when it is needed, **reducing CO2 emissions, electricity consumption and energy waste.**





Key Trends

+27

TIn Kwh

THE EXPECTED ELECTRICITY
PRODUCTION IN 2025.

+7500

BIn Kwh

THE ELECTRICAL ENERGY
PRODUCTION FROM
RENEWABLES IN 2025.

+2000

BIn \$

THE VALUE OF THE GLOBAL
RENEWABLE ENERGY MARKET
IN 2030.

Source: Statista

KEY ACTIVITIES

**+ IT/OT Security + Composable Platforms + Energy Communities + Smart Grid + Asset Valorization
+ Security Infrastructure + Supply Chain Optimization + Smart Networks + Customer Engagement
+ Advanced Distribution Management**

KEY INDUSTRIES

+ Energy & Utilities + Augmented City + Transportation + Industry



OUR CHALLENGES

Climate change

CLIMATE CHANGE ADAPTATION

Addressing climate change is becoming crucial, especially when it comes to water use.

Thanks to **Earth Observation Data, sensors** and **Geospatial Advanced Analytics**, localised data is used to improve the efficiency of the irrigation system, reducing losses in the network and optimising the use of water in agriculture. Precise irrigation, using both ground-based and satellite sensors, is essential to manage drought and water scarcity resulting from climate change.

RESPONSIBLE FOOD PRODUCTION

By harnessing data from Earth Observation Data and Geospatial technologies, **Precision Agriculture uses intelligent sensors and automation systems** to closely monitor crop health and soil quality, with a focus on **reducing pesticides and chemical fertilisers**. Through the use of **Predictive Analysis based on Artificial Intelligence algorithms**, farmers can anticipate and

manage challenges like diseases and adverse weather conditions ahead of time.

This approach not only allows for an efficient and stable food supply but also represents a significant step towards **more responsible agricultural production**.

CLIMATE CHANGE MITIGATION IN LOGISTICS CHAINS

Efficiency in transportation and logistics through supply chain optimization is another piece in the fight against climate change.

Technologies such as **AI, Digital Twin, IoT** (or **Blockchain** for traceability) help reduce emissions by optimizing routes and choosing the most suitable means of transportation. They also contribute to load consolidation, where data analysis helps manage full vehicle loads, reducing empty trips. Demand planning, with predictive analysis, avoids stockouts, optimizes inventory levels, and contributes to waste reduction





Key Trends

7

Bln \$

THE PROJECTED VALUE OF THE EARTH OBSERVATION DATA & SERVICE MARKET BY 2030.

4

Bln \$

THE MARKET FOR INTELLIGENT CROP MONITORING BY 2027.

1.5

Bln \$

THE GLOBAL MARKET VALUE OF BLOCKCHAIN TECHNOLOGY IN THE FOOD & AGRICULTURE SECTOR BY 2026. THIS REPRESENTS A SIGNIFICANT GROWTH COMPARED TO THE \$140 MLN IN 2020.

Source: Statista

KEY ACTIVITIES

+ Precision Agriculture + Digital Twin Earth + Geospatial Technologies + Secure Food Supply
+ Farm-to-Table Traceability + Responsible Water Management + Climate-Resilient Crops
+ Climate Adaptive Practices

KEY INDUSTRIES

+ Agriculture + Industry + Energy & Utilities



OUR CHALLENGES

Digital citizenship

ACCESS TO EDUCATION, REDUCE DIGITAL DIVIDE AND COMBAT DISINFORMATION

Ensuring **access to education** for all through online educational platforms and interactive tools based on **Generative AI and ML**. Innovative programmes develop essential digital skills, foster safe online behaviour and raise awareness about **combating fake news**, resulting in digitally aware individuals.

IMPROVE CIVIC PARTICIPATION & TRANSPARENCY

Cutting-edge technology supports public involvement

by enhancing **transparency and access to information**. The public is involved through online platforms and public involvement tools, resulting in a **digitally aware and active population**.

ENSURE ONLINE PRIVACY & SECURITY

Integration of advanced technologies such as AI to detect and mitigate digital threats.

Training on **secure practices** and implementation of **end-to-end encryption** consolidate defences. Increased digital awareness and safer behaviours through **Cybersecurity** training programmes.



The challenges we can solve together



Key Trends

17

Bln \$

THE GLOBAL MARKET FOR
GOVERNMENT SOFTWARE
AND APPLICATIONS EXPECTED
BY 2025.

+80

Bln \$

GLOBAL CLOUD MARKET
SIZE FOR PUBLIC
ADMINISTRATION BY 2030.

+70

Bln \$

VALUE OF THE MARKET
FOR DIGITAL IDENTITY
SOLUTIONS BY 2027.

Source: The data represents our analysis of information from various sources

KEY ACTIVITIES

+ Cybersecurity + Inclusion + Ethics + Privacy + Artificial Intelligence + Fake News + Civic Participation
+ Accessibility + Open Data + Digital Identity

KEY INDUSTRIES

+ Augmented City + Government + Media & Communication + Defense, Aerospace & Homeland Security



OUR CHALLENGES

Responsible growth

INDUSTRY 4.0

AI and **Digital Twins** can monitor devices in real time, forecasting maintenance requirements and **preventing failures, reducing downtime and saving costs.**

With **IoT** and **Cloud** devices, production systems can be connected to **optimise production processes, monitor inventory levels and enable collected data to be processed and analysed.**

SUPPLY CHAIN RESILIENCY

AI algorithms operating in the Cloud can analyse vast amounts of data to **optimise supply chain processes, manage inventory levels and predict demand more accurately.**

Digital Twins in manufacturing and supply chain systems can **improve product quality, production and logistics processes, optimise energy consumption, facilitate training, and cut both waste and costs.**

MOBILITY

AI and **Digital Twins** can replicate the movements of people and goods to **optimise traffic flows, reduce congestion and fuel consumption, and increase efficiency.** By analysing vehicle data collected by **IoT** sensors, preventive maintenance can help tackle potential problems.

Digital Twins can also simulate and optimise **the design, construction and maintenance of infrastructures** (e.g. roads, bridges).



The challenges we can solve together



Key Trends

+31

Bln \$

THE PROJECTION OF THE
VALUE OF THE GLOBAL SUPPLY
CHAIN MARKET BY 2026.

900

MtCO₂

THE EMISSIONS FROM HEAVY
TRUCKS BY 2040, ACCORDING
TO THE NET ZERO EMISSIONS
(NZE) SCENARIO, COMPARED TO
THE CURRENT 2 BILLION GTCO₂.

190

Mln

GLOBAL FLEET OF ELECTRIC
VEHICLES BY 2030.

Source: Statista

KEY ACTIVITIES

+ Production Optimization + Inventory Management + Infrastructure Development + Data Analytics
+ Logistic Optimization + Energy Efficiency + Waste Reduction + Cost Savings + Traffic Optimization
+ Fuel Efficiency

KEY INDUSTRIES

+ Industry + Retail & Fashion + Transportation + Agriculture + Energy & Utilities + Augmented City



How we face our biggest challenges
will reveal **who we really are.**
Our journey has begun, let's make
a positive impact **today.**

The challenges we can solve together



The level of maturity and composability reached by digital enabling technologies today is such that **creativity is the true game changer**. Looking ahead as to what could be done rather than backwards to what **has** been done.



07

Our approach

Human Tech Competences

In times like this, where changes are fast and enormous, it is important to rely on **collective experience and knowledge** as much as developing **individual creativity**.

For years technology was associated with optimization of processes, streamlining activities, maximising productivity. We're talking about constant fine tuning of activities. To understand and measure these activities we have relied on case studies. Looking back we could, with a good degree of certainty, make informed decisions on how to improve and evolve our activities.

Today's digital revolution though is asking us to look forward to what **could** be done differently. Mixing and matching **skills** and **technologies** to change the way we do things and also the things we do.

That is why we are sharing not only **what we've done with Clients (Case Studies)** and **how we explore the frontiers of technologies (Research Projects)** but also **what we think we could looking forward (Use Cases)**.



from CASE STUDIES & RESEARCH PROJECTS

Until now, we mapped by **tech**
and **industry** and described
what we **HAVE DONE**

OUR PRESENT

to USE CASES

Looking ahead, we also map by
impact, exploring what **NEEDS
TO BE DONE**

→ OUR FUTURE

CASE STUDY

Case studies are powerful narratives that show what we have done with our Clients.

They focus on **real-world situations** where our IT solutions have brought about substantial change.

RESEARCH PROJECT

Research projects are nationally or EU-funded projects, to which we participate as leaders or collaborators, that show what is being experimented today. They provide an understanding of the **future opportunities of digital technologies**, and the foundations for kickstarting experimental projects with our Clients.

USE CASE

Use cases show what we can do by applying our tech & business competences to real business challenges. They are designed to provide clear, replicable **strategies for different businesses or organizations**, to show how to harness our IT solutions for their specific needs.

SAVE THE GRAPE

Reducing the usage of fertilizers and pesticides enabling precision agriculture with AI & IoT.



PNT WITH ALMAVIVA

Enabling Telemedicine Services leveraging Cloud platforms and AI to streamline access to health services.



WITH SCHNEIDER ELECTRIC

Identifying water losses in aqueducts with IoT and leveraging AI for predictive maintenance.



NETA EC

Enabling brand new energy communities and the shift to prosumers through Cloud platforms.



WITH EMERSON ELECTRIC

Optimizing production plants improving processes with the Digtita Twin.



ROOTS

Improving "farm to house" food traceability enabling consumers to make informed decisions on what they consume.





We have mapped our experiences and our ambitions by industry, by technology and, now, by **impact**.

What are you looking for?

Category Portfolio Enabling Technology Digital Ecosystem

Impacts

Our approach

11+
PORTFOLIO
AREAS

100+
PODCASTS

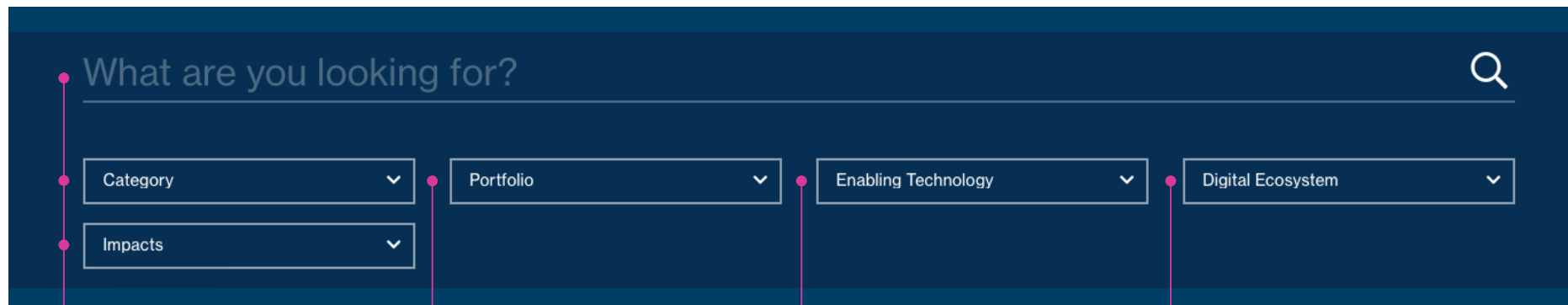
400+
CASE
STUDIES

150+
RESEARCH
PROJECTS

70+
USE CASES

40+
WHITE
PAPER

Discover our skills toolbox on eng.it/our-impact/



The screenshot shows a dark blue search interface. At the top, it says "What are you looking for?" with a magnifying glass icon on the right. Below this, there are four dropdown menus: "Category", "Portfolio", "Enabling Technology", and "Digital Ecosystem". Below the "Category" dropdown, there is an "Impacts" dropdown. A vertical pink line with dots connects the "Category" dropdown to the "Text Search" section below. Another pink line connects the "Portfolio" dropdown to the "Portfolio Selection" section. A third pink line connects the "Enabling Technology" dropdown to the "Technology Selection" section. A fourth pink line connects the "Digital Ecosystem" dropdown to the "Digital Ecosystem Selection" section.

Text Search

Use this search field to enter the topic you're interested in.

Experience Selection

Choose from Case Study, Use Case or Research Project.

Impact Selection

Filter by the type of impact you wish to explore (e.g., AI-Driven Value, Circular Ecosystem, Intelligent Mobility).

Portfolio Selection

Filter by market area of your interest (e.g., E-Health, Digital Finance).

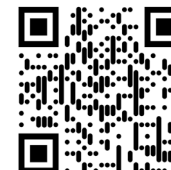
Technology Selection

Filter by technologies of your interest (e.g., AI, Cloud, Cybersecurity).

Digital Ecosystem Selection

Choose the Digital Ecosystem of your interest (e.g., Digital Citizenship, Wealth & Commerce, Wellbeing).

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Co-operation is the key to progress

Co-operation is the key to progress



Considering the fast pace of change and technological advancements and the huge global challenges we are all faced with, co-operation is the key to progress.

Organization that collaborate, sharing insights, skills and knowledge, composing solutions are able to best fulfill market needs, and make a more substantial impact when it comes to evolving and improving the world we live in.

In facing complex challenges, multiple skills are key. **It's not about individual triumphs, but about the power of collaboration and shared success.**

With the continuous development of new technologies, it's

becoming increasingly possible to tackle the intricate challenges posed by global issues and help various stakeholders collaborate effectively in pursuit of common goals.

It is clear that a Tech-Human Co-operation is central to our development.

But we must move beyond conventional business relationships and embrace co-operation as the cornerstone of our evolution and success to achieve a new level of Human-Human Co-operation.

ENG can bring to the table in equal measures process and technology skills, provide a space for collaboration, integration and be a positive catalyst for positive change.

Understanding the adoption of these technologies is essential for our development.

In response to the size and evolution of the global technology sector, there is a growing expectation for it to act as a 'force for good.' Technology enables decisions that profoundly impact our lives. It's a transformative force meant to actively contribute to providing a better present and future.

Right at the heart of digital transformation, humanities step up, and through this collaboration, amazing things happen, opening up numerous new possibilities.

Looking to the future, it will be crucial to ensure real progress, capable of balancing the needs of people, organizations, and the planet.

Giving importance to these values becomes fundamental for a future in which technology and humanity, together, are the driving forces of the necessary change.



What drives people is **creating value**
in a meaningful and lasting way.

Make it real



09 Make it real

Our impact today is our legacy.

These global challenges demand a renewed sense of responsibility and a heightened sense of urgency to improve, grow and enable change.

This paper provides you with ideas, instruments, and experiences to build your own vision of what positive impact can mean and look like today. And ENG is the partner you need to make this picture a reality.

Our commitment goes beyond business opportunities. In recent years, we have devoted deep commitment to campaigns and projects that involved partners, clients, employees, and research networks. Our goal? To shape the near future, aware that our actions today will have a relevant and significant impact on it.

Our library of Use Cases, Research Projects and Case Studies is being re-written and updated every single day with all of our partners and stakeholders. **Our journey has begun, let's make a positive impact today. Together.** Join the conversation!



10

Our Purpose

For over 40 years we **actively improved** the way we live and work through technology as well as helping our stakeholders to evolve and grow continuously. We have strived for relevance **every day** seeking to bring **positive impact**. These days though positive change and economic development cannot be the sole factors by which we measure impact. How we participate in tackling global issues is also **fundamental**.



We elevate technology

TOGETHER, WE ELEVATE TECHNOLOGY TO MAKE IT
MORE MEANINGFUL FOR EVERYONE, EVERYDAY



@ www.eng.it

in Engineering Group

@ @LifeAtEngineering

X @EngineeringSpa