



# REIMAGINING ENERGY FOR A SUSTAINABLE TOMORROW

Tuesday 20<sup>th</sup> June 2023





# AGENDA

- 1 Welcome
- 2 Sustainability within the Utilities sector
- 3 Mayflower Immersive Experience
- 4 Intelligent Networks
- 5 Drones As A Service
- 6 Challenges within the Utilities Sector
- 7 ESG Reporting
- 8 Spot the Robot



# SPEAKERS



Natalie Coaten  
UK Alliance Lead



Mark Hewett  
VP Energy & Utilities



Mercy Paul  
Program Manager  
Energy & Utilities



Sven Strassburg  
Principal Solution Architect  
IBM Sustainability Software



Sascia Pastori  
IBM Innovation  
Centre  
Ecosystem Lead



Santosh Bade  
IBM Maximo  
Consultant



Andrew Galonis  
ESG Reporting  
Specialist



Sunil Veddham  
Director  
Sustainability



Woody Falck  
Sustainability Sales  
Event Co-ordinator



# SUSTAINABILITY WITHIN UTILITIES SECTOR

June 2023



# Agenda

1. WHAT DOES SUSTAINABILITY MEAN FOR THE SECTOR?

2. WHAT ARE THE BIGGEST CHALLENGES IN THE SECTOR?

3. WHAT ARE THE OPPORTUNITIES FOR THE SECTOR?



There is no universal definition of sustainability but the ones that are widely agreed upon include:

Understanding how to meet the needs of the present **without compromising** the needs of future generations to meet their own needs.

The ability to **maintain a balance** between natural resources, economic development, and social equity.

The United Nations 17 **Sustainable Development Goals (SDGs)** were adopted by all United Nations Member States in 2015 as a **universal call to action** to end poverty and to protect the planet and ensure that all people enjoy peace and prosperity by 2030.



### ENVIRONMENTAL SUSTAINABILITY

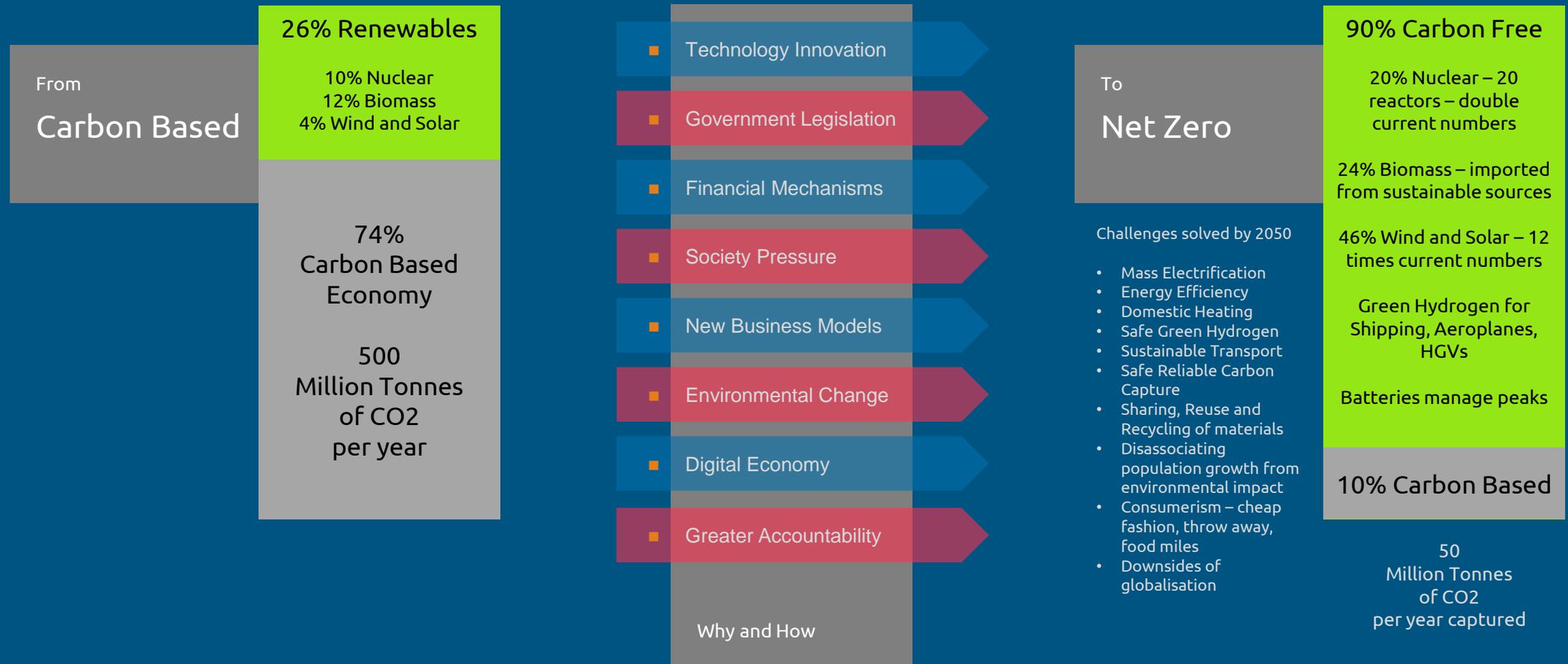
Ability to develop and thrive within **earth's planetary boundaries** by maintaining ecological integrity and consuming natural resources at a rate where they are able to replenish themselves.

*We will be focusing particularly on this pillar of sustainability throughout this pack.*

# A seismic shift in energy to be delivered in 10,000 days



Over the next 30 years the UK economy will reinvent itself from a Carbon based industrial player, to a net zero economy with new business models and technology



# FORCES OF CHANGE: the pressure points pushing businesses to become more sustainable



## Risk mitigation & resilience building

Businesses are facing growing climate-related risks that are exposing them to financial as well as reputational impacts. There is therefore a clear need for resilience building through planning, measuring and flexibility-building.



**~3 million metric tons**

*of carbon dioxide will be averted annually through the renewable energy projects announced*

## Political direction & regulatory change

The topic of climate change has never been as high on the political agenda. This materialises through an increasing number of policies, regulations and laws being introduced and affecting businesses.



**5 years**

*Number of years by which the ban on selling new petrol, diesel or hybrid cars in the UK has been brought forward, after experts said 2040 would be too late*

## Consumer preferences & investor pressure

Environmental awareness is growing rapidly among civil society and investor groups. This translates into an uptake of more sustainable behaviours, demand for greener products and services and shifts in investment patterns.



**65%**

*of UK millennials want to reduce their carbon footprint through renewable fuels and 71% of adults believe the Government should be acting faster to develop clean energy*

# Recent News & Commitments



**BP will cut its oil and gas output by 40% by 2030, increase its low-carbon investment tenfold by then and will not hunt for oil in any new countries**



**London Mayor and TfL target a zero-carbon railway by 2030**



**"Total shares the ambition to get to net-zero emissions by 2050, together with society, for its global business across its production and energy products used by its customers."**



**EDF, Octo Energy partner on hybrid solar and storage projects**



**"At Schneider Electric, our commitment is to be the partner of our customers in their journeys toward sustainability and become carbon positive ourselves."**



**Onshore wind energy to boost UK economy by £28.9bn with government support**



**SSE wants green economic recovery**

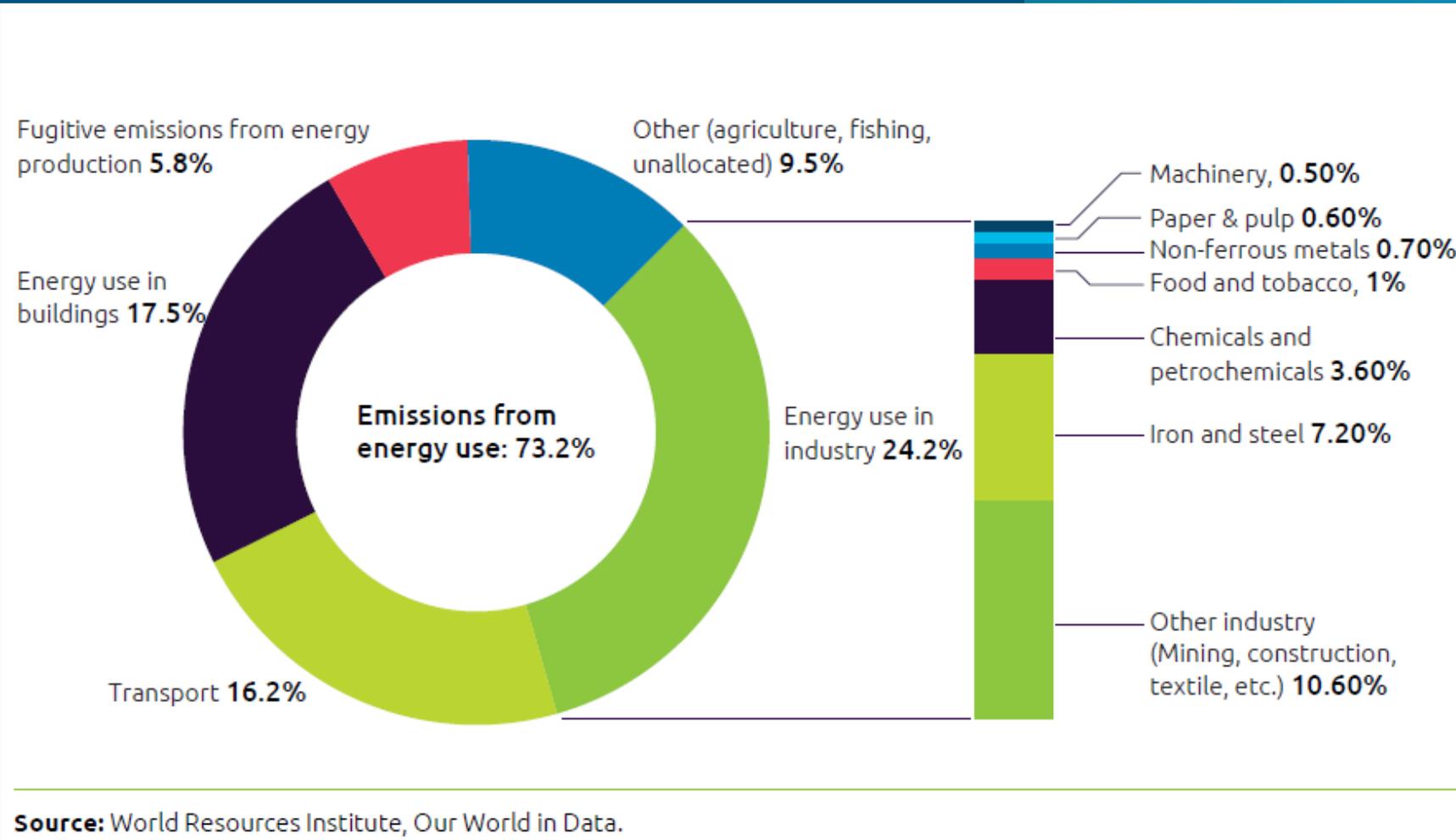
# Agenda

1. WHAT DOES SUSTAINABILITY MEAN FOR THE SECTOR?

2. WHAT ARE THE BIGGEST CHALLENGES IN THE SECTOR?

3. WHAT ARE THE OPPORTUNITIES FOR THE SECTOR?

73% of GHG emissions are coming from Energy use. It's critical to act before 2030 (IPCC statement). Less than 10,000 days ahead



How can energy and utilities companies accelerate sustainability?

Where are organizations falling behind in their sustainability initiatives?

How can energy and utilities organizations radically transform and prepare for a sustainable future?

# Evolving expectations from energy and utility companies on sustainability



# Agenda

1. WHAT DOES SUSTAINABILITY MEAN FOR THE SECTOR?

2. WHAT ARE THE BIGGEST CHALLENGES IN THE SECTOR?

3. WHAT ARE THE OPPORTUNITIES FOR THE SECTOR?

# Limitless Opportunities



## Sustainable Mobility



## Energy Efficiency – Water Sector Focus



## Energy Supply Decarbonisation



## Energy Transition – Oil & Gas Focus



## Sustainable Energy Consumption

As of 2035, people in the UK will **only be able to buy electric or hydrogen vehicles** which are expected to be **cheaper to purchase than conventional models by 2030**. This will require installing **25 million charging points** across the country

The **largest proportion** of the water industry's of carbon footprint is attributed to energy use. The water industry is the **4th most energy-intensive** industry in the UK, using approximately **3% of UK generated electricity**

The electrification required to reach net-zero by 2050, would result in a **doubling of electricity demand**. All of this power would need to be produced by **low-carbon sources, which must quadruple** their supply by 2050

The Oil & Gas industry's operations account for **9% of all human-made greenhouse-gas (GHG) emissions** and produces the fuels that **create another 33% of global emissions** when consumed

Home energy efficiency improvements, such as insulation, draught proofing and new windows, reduce the rate of heat loss, and can come with **net benefits worth £7.5bn to the UK**

## Support Functions



## Sustainable Operations

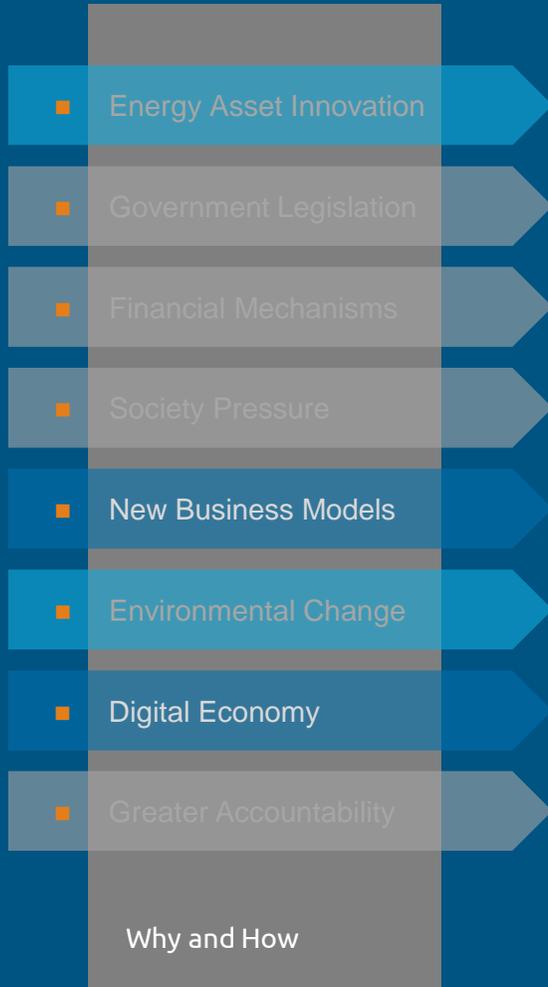


## Sustainable Supply Chain



## Sustainable IT/ Tech

# The Role for Capgemini is in creating new business models and the digital economy



## New Business Models

New and evolving models are required

- Virtualised Energy Prosumer
- Customer\* Demand Aggregator
- System Integrator and Optimiser
- Energy Asset and Infrastructure Delivery and Enabler

Sources of value for these models

- Aggregating and balancing demand and supply using virtual storage to manage the load cycle and arbitrate power prices at scale (city, region, community, business)
- Providing, orchestrating and aggregating integrated energy services on behalf of the customer
- Earning fees for providing services across an energy network management
- Creating, managing and owning energy assets and infrastructure. Earning fees for this.

Across these roles some players will be fully integrated and some will fill niche roles

## Digital Economy

We will create Digital Platforms that support the Net Zero economy:

- Customer interaction and relationships
- Energy Data Interoperability
- Financial, Capital and Money Flows
- Energy Trading and Risk Management
- Asset Management and Control
- Design and Planning

Deeper capabilities that we will build to support these new tools

- Customer understanding, prediction, loyalty and interaction
- Data acquisition, storage and analysis, including forecasting
- Whole System orchestration and optimisation
- Trusted data interchange

Customer / Consumer = individual, building, community, business, city, region...

# SUSTAINABILITY AT CAPGEMINI



# Our Positive Planet Strategy



WE ARE:

TARGET:

PERFORMANCE:

## ACCOUNTABLE



To reduce our carbon emissions per employee by **20%** by 2020 and by **40%** by **2030** (vs. 2014)

**39%** reduction in carbon emissions per employee since 2014

## RESOURCEFUL



To reduce office energy consumption by **20%** by **2020** and by **40%** by **2030** (vs. 2014)

**42%** reduction in office energy use since 2014

## IMPACTFUL



To help our clients save **10 million tonnes** of CO<sub>2</sub>e by **2030** through our client services

**30** Capabilities defined from within our portfolio for that purpose



Capgemini Invent  
**Global Partner of the World Climate Summit in 2022**



Capgemini awarded **platinum rating from Ecovadis in 2022** for its CSR performance



Capgemini named on prestigious **A List for leading effort against climate change**

# Capgemini Group at a Glance

## Group Revenue

Groupe Revenue for 2022:  
**€21.9 billion**  
**15.3% YTY**



## One team

Capgemini is present in **more than 50 countries** and **more than 120 nationalities**.

**325,000+** people worldwide working together as **one team\***



\*post Altran merger

## Business sub-brands

**Capgemini invent**

Capgemini Invent is the strategy, technology, data science and creative design offering that aims to solve the most complex business and technology challenges

**Capgemini engineering**

Capgemini and Altran join forces in Engineering and R&D to create the global digital transformation leader for industrial and tech companies

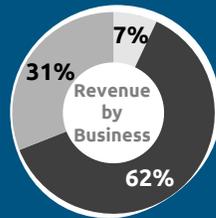
**frog**  
Part of Capgemini Invent

Frog is a global design consultancy that helps organizations grow by launching new businesses and creating world-class customer experiences at scale

**cambridge consultants**  
Part of Capgemini Invent

Cambridge Consultants helps clients unlock innovation through highly original products and services that provide long-term sustainable competitive advantage

## Our services



- Strategy & Transformation
- Operations & Engineering
- Applications & Technology



We are **internationally recognized** for our leadership and actions in addressing climate change



**"[Capgemini] must spearhead this transition, and in so doing, demonstrate that low-carbon business models are sustainable and profitable" – Aiman Ezzat, Capgemini CEO**

# We are at the forefront of sustainability challenges thanks to our continuous research

Capgemini research webpage

We have been publishing research on global environmental challenges for business since 2011, with already 40+ publications shared to date



*i* All pictures are clickable

**Check out our latest report!**

**REINVENTING WORK AND SUSTAINABILITY**  
 Read this report to understand why organizations must face unprecedented societal and environmental changes and how they handle it

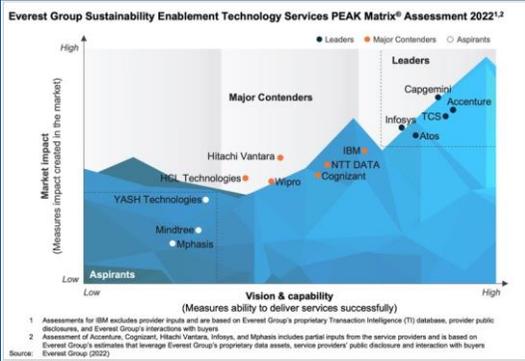


# Capgemini recognized as a leader in Sustainability Enablement Technology Services by Everest Group



Capgemini strengths against 14 providers:

- Strong focus on **data-driven solutions** for net zero strategy, LCA, product engineering
- A robust set of **sustainability-specific partnerships** with joint GTM with select partners
- **Technical capabilities** and ability to effectively deploy **emerging technologies** in the engagement
- **Transparency and honesty** about our maturity level



1 Assessments for IBM excludes provider inputs and are based on Everest Group's proprietary Transaction Intelligence (TI) database, provider public disclosures, and Everest Group's interactions with buyers  
 2 Assessment of Accenture, Cognizant, Hitachi Vantara, Infosys, and Mphasis includes partial inputs from the service providers and is based on Everest Group's estimates that leverage Everest Group's proprietary data assets, service providers' public disclosure and interaction with buyers  
 Source: Everest Group (2022)

Analysts identified Capgemini's differentiators

**Gartner**

HFS Research

**FORRESTER**

**IDC**

**Communicating honestly**  
about our accounting process and maturity level

**Applying service offerings**  
to our own transformation

**Building our training program**  
internally in a context of talent war



# CALL US WHEN...

You want to design sustainable products



You transition to EV fleet



You want to set targets and implement strategies



You want to transition to renewable energy sources



You want to disclose your emissions



You want to embed social value



You want to reduce your waste



You want to shift towards a circular model



You want to measure your emissions across all scopes



You want to develop supplier sustainability programs

You want to reduce water consumption



Contact us to find out more!



Sunil B Veddam

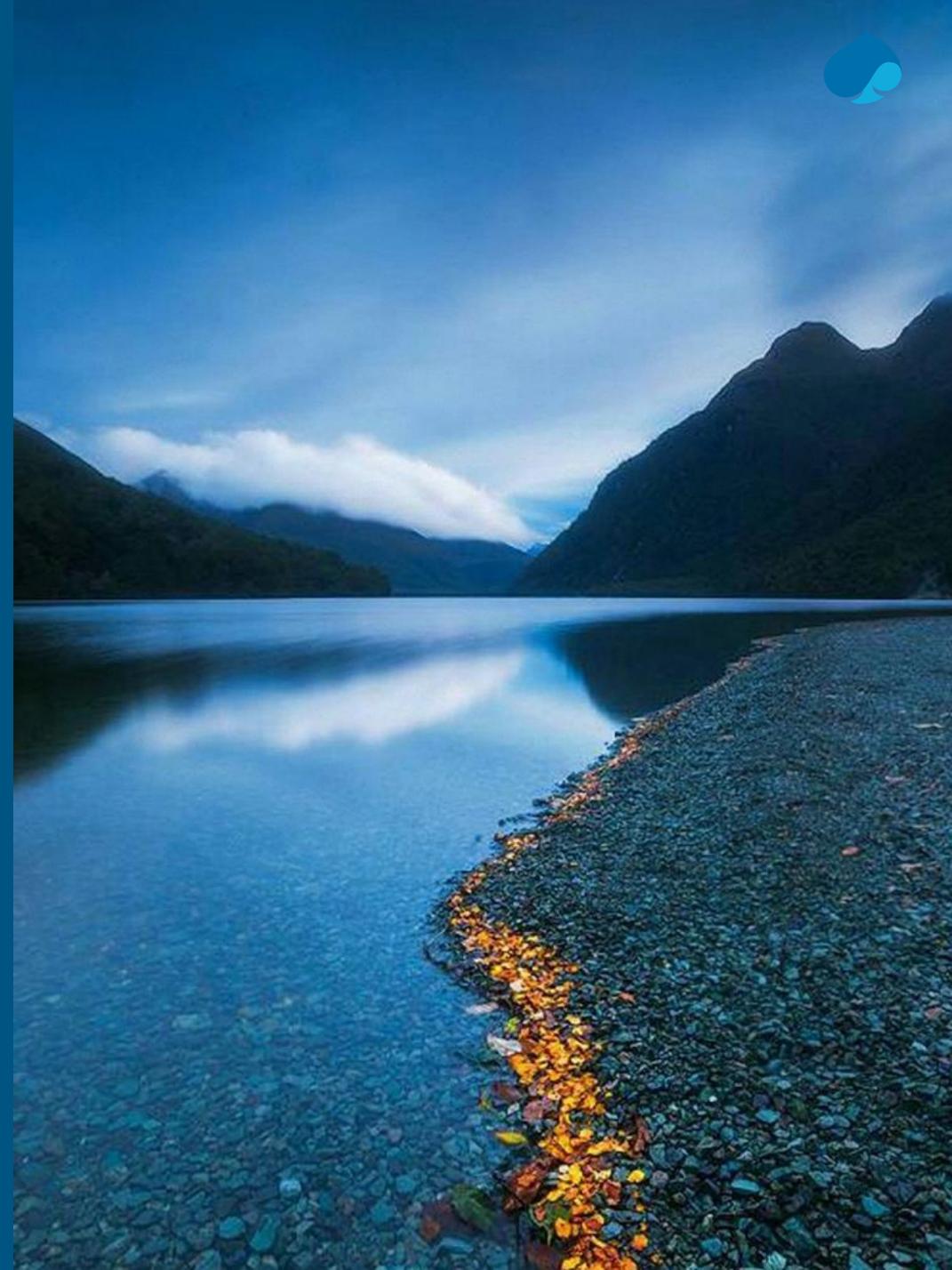


“

*Business has a critical role to play in stabilizing global warming – **the climate crisis must be the next catalyst for widespread reinvention and transformation.** This is why we have made tackling climate change issues a number one priority for us and we are delighted to have been recognized for our approach by the CDP. This recognition reflects our active commitment toward the Net-Zero Economy. As a leading responsible company, we aim to leverage our expertise, innovation and technology to also help our clients transform for a sustainable future.*

”

Paul Hermelin,  
Chairman and CEO of the Capgemini Group





**People matter, results count.**

This presentation contains information that may be privileged or confidential and is the property of the Capgemini Group.

Copyright © 2023 Capgemini. All rights reserved.

## ABOUT CAPGEMINI INVENT

As the digital innovation, consulting and transformation brand of the Capgemini Group, Capgemini Invent helps CxOs envision and build what's next for their organizations. Located in more than 30 offices and 10 creative studios around the world, its 6,000+ strong team combines strategy, technology, data science and creative design with deep industry expertise and insights, to develop new digital solutions and business models of the future.

Capgemini Invent is an integral part of Capgemini, a global leader in consulting, technology services and digital transformation. The Group is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2022 global revenues of EUR 22 billion.

Visit us at [www.capgemini.com/invent](https://www.capgemini.com/invent)

# INTELLIGENT NETWORKS

Capgemini Energy Transition & Utilities

# The UK energy grid is aging infrastructure facing new challenges that demand rapid digitalisation in order to overcome them



## NEW CONSUMPTION PATTERNS & PRODUCTION MODES



### RENEWABLES

Higher share in the mix endangering grid stability



### ELECTRIFICATION

Transportation (EV Charging, V2G), Heating



### STORAGE

Batteries today, Hydrogen tomorrow competitive at consumption or utility scale

## NEW REGULATIONS AND ENVIRONMENTAL CONSTRAINTS



### ENERGY SAVINGS

Self consumption, Microgrids and Energy conservation hit T&D revenues and margins



### GLOBAL WARMING & WEATHER EVENTS

Increase heat waves, wildfires, floods... Must increase the networks resiliency



### CARBON REDUCTION ENABLEMENT

TSO/DSO accountable for enabling markets operations and energy transition to multiple stakeholders



### REGULATION CHANGES

Compensation for risk and software investments; true price realization

## FOUNDATIONS IN PLACE & TECHNOLOGY MATURATION



### SMART GRID EXPERIMENTATION



### RAPID EXPANSION OF CONNECTIONS



### DIGITAL TECHNOLOGY MATURATION

## NEW GRID MANDATES

Business imperative to transform grid management and operations



From Centralised to De-centralised architecture



1 way to multi ways flow of energy



Cybersecurity imperative



Need for flexibility



From DNO to DSO, new remits and business models potential



Sustainability @ the heart

**DIGITALISATION IS CRITICAL**

# Intelligent Networks is our solution to Net Zero challenges through digitising the grid



## Our Value Proposition Capability Statement

Addressing the network's challenges to deliver NetZero is the key to affordable, deliverable, sustainable change. In order to efficiently and flexibly balance demand and supply without unaffordable infrastructure investment, enabling the electrification of heat at scale and creating capacity for EV charging the UK needs to digitise the Transmission and Distribution Networks' Grid. We leverage the digital twin of a data driven grid built from instrumented intelligent assets and secure by design to transform networks and deliver against Net Zero ambition.

### Client Key Issues and Challenges

**Large Complex Infrastructure Systems** which are not integrated with information held in silos

**Visibility of real-time operational information** to inform asset performance, network performance etc.

**Understanding system performance** and the upstream or downstream impacts of actions on the overall system performance

**System Optimisation in response to change** for example reacting to the lack of renewable energy by drawing upon battery storage

**Resource Management** to ensure that the right resource always addresses the highest priority within a changing system

**Data Capture** to ensure that the right information is captured and fed back into the systems

**Selecting the right tools for the future** to ensure that systems will work today and meet the required lifespans before upgrade or overhaul

**Delivering an affordable network** that will allow for increasing demands without unaffordable physical infrastructure

### What We Do

**Next Generation Advanced Metering Infrastructure:** Providing the foundation of the Intelligent Network through 2-way communication to a Meter Data Management System that monitors and analyses the data reducing OPEX and improving customer experience

**Advanced Asset Management:** Improving power quality while prolonging equipment life through predictive maintenance, reducing through life costs and infrastructure risk while increasing availability

**Network Instrumentation:** Shifting calculation capabilities and associated instrumentation out from the centre to handle multiple secured automated interactions and virtualisation including load supply balance, a key challenge for the DSO/TSO to scale up their Smart Grid transformation

**Grid Operations:** Improving your network stability, resiliency and ability to host a greater share of renewables, supporting the increase in electrification uses (EV, heat pumps) and leveraging new technologies to develop the network and ensure higher customer service and performance

**Exploiting data:** Leveraging IoT data to optimise CAPEX and investments for grid modernisation while utilising AI to drive value from existing grid data and reduce OPEX; introducing new business models to enable the transition for prosumers while delivering transparency to the markets and regulators alike.

**Networks Digital Twin:** Building an as-designed, as-built and as-operated virtual environment of the network where intelligent sensors harvest data from machines, performing analytics to detect status and failures. Information on real time virtual dash-boarding allows real early warnings to be set

### Benefits

Key areas of benefits include:

**Optimising grid operations through:**

- Increased grid reliability, (cyber)security and robustness
- Improved productivity and overall safety in operations and maintenance, and enabling remote support for field personnel
- Improved customer and stakeholder experience

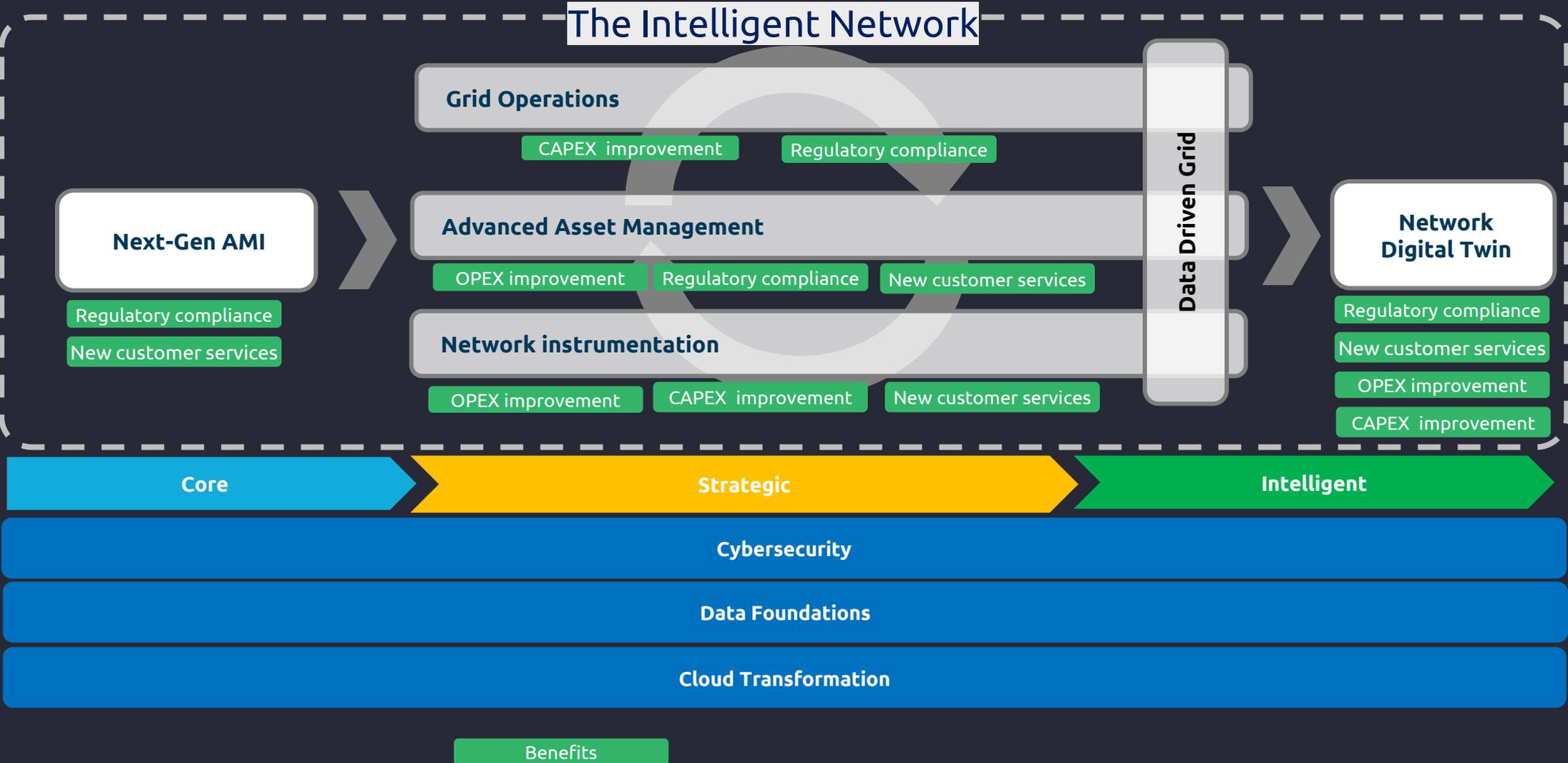
**Enabling grid local management through:**

- Local balancing, supervision and power optimisation by providing edge-of-the grid computing
- Enabling faster, more accurate and reliable local decision-making

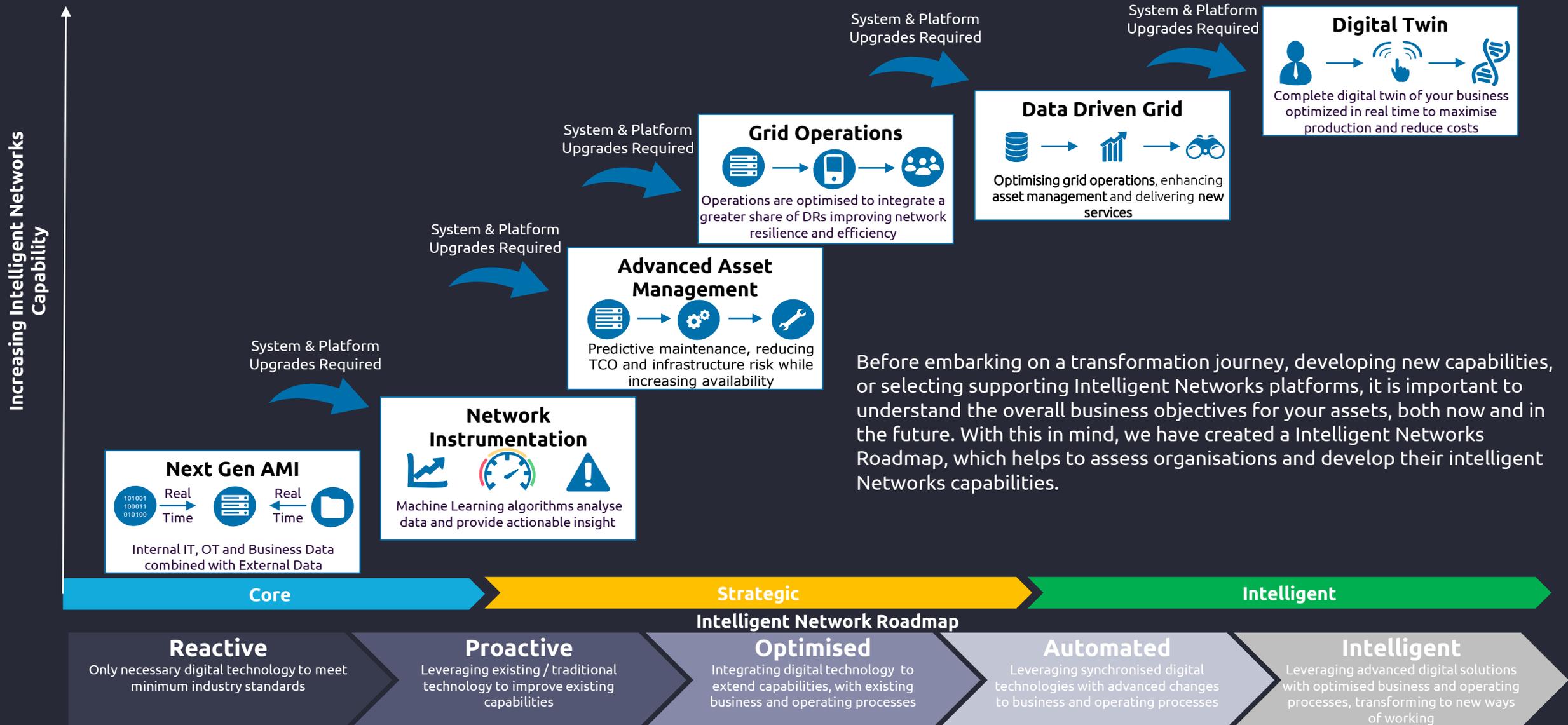
**Optimising asset management by:**

- Reduce infrastructure complexity and optimising OPEX and CAPEX
- Integrating edge-of-the-grid assets
- Improved understanding of asset behaviour to optimise their usage and network performance
- Exploiting insights of grid dynamics, bringing OT to the forefront

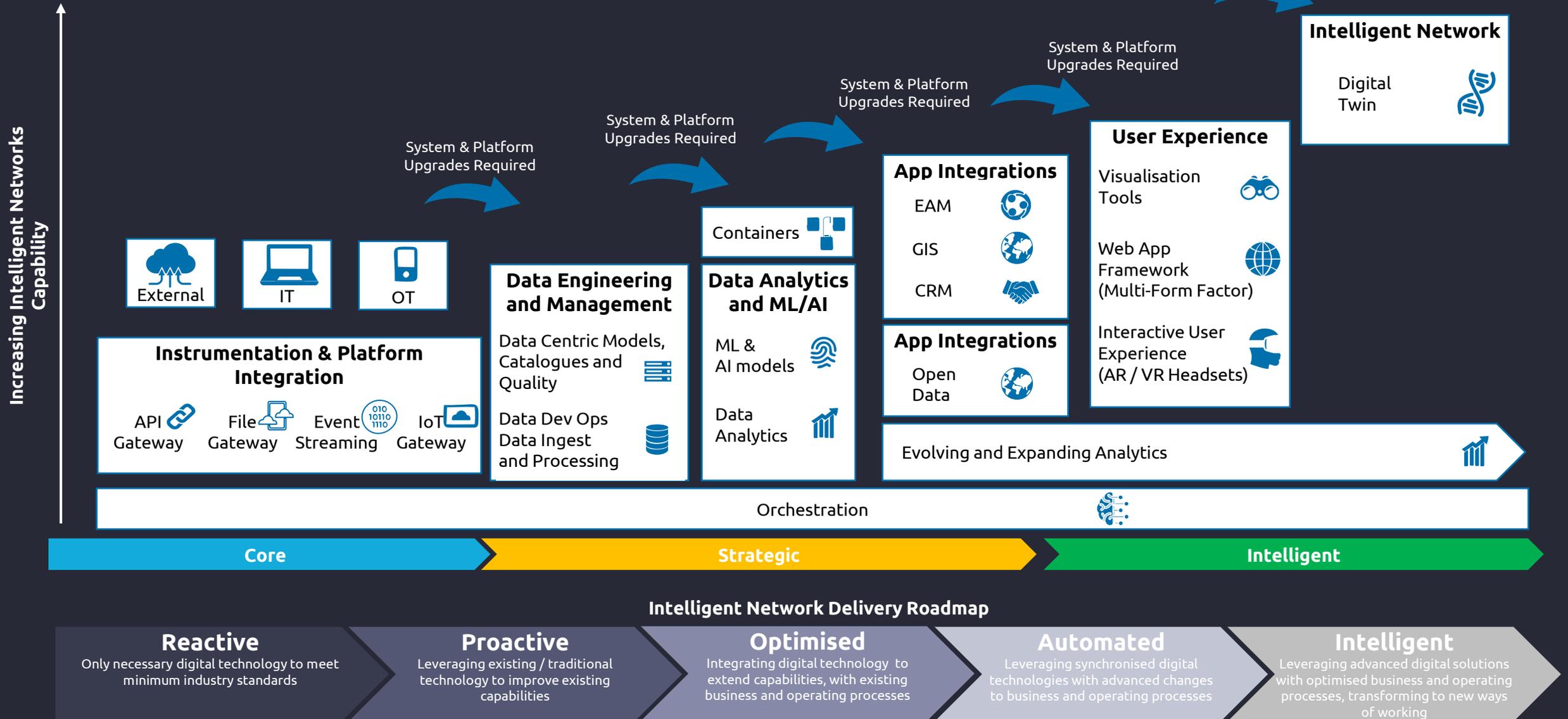
# Our framework drives a business outcome focused transformation journey to deliver the Intelligent Network, driving customer value and outperforming regulatory targets while accelerating the journey to Net Zero



# We work with clients and partners to develop a tailored intelligent network roadmap focused on iterative business value



# Leveraging an ecosystem of platforms to shape the intelligent network, growing business value at every stage



# Supported by an industry lens and use case library to underpin a set of value levers and business impact analysis to drive a step change in operational outcomes



**VOICE OF THE ASSET**

**Levers**

- Condition & deterioration
- Service and asset failure prediction
- Remaining useful life, Analytics & AI

**Business impacts**

- Quality improvement
- Reduction in waste



**ENHANCE OPERATOR**

**Levers**

- Augmented worker with AR/VR and immersive technologies
- Remote assistance
- Hands-free

**Business impacts**

- Zero paper
- Quality improvement
- Increased productivity
- Operator empowerment



**INTELLIGENT AUTOMATION**

**Levers**

- Robotics/Cobots
- MES/SCADA/IT-OT
- Works & Service Order, Goods I/O automation

**Business impacts**

- Elimination of repetitive loads/tasks
- Reduction in manual site interventions
- Reduction of fixed cost



**PREDICTIVE MAINTENANCE**

**Levers**

- Analytics, AI, IIoT/5G/Edge
- Defect RCA & FMEA, frequency & consequence
- Vibration/ acoustics/ temp/energy etc...
- Condition, behaviour patterns, deterioration models
- Predictive analytics, whole life analytics, next best actions

**Business impacts**

- Reliability MTTR, MTBF improvement
- Reduced reactive spend
- Increase remaining useful life, minimise downtime



**REAL TIME INFORMATION MANAGEMENT**

**Levers**

- ERP/MRP Integration
- MES/SCADA/IIoT
- PLM Integration
- Augmented worker with AR/VR and immersive technologies

**Business impacts**

- Quicker decision process
- ODI compliance
- Rapid escalation



**NETWORK ANALYTICS**

**Levers**

- Visualisation and Optimisation
- Faults, outages and Pollution control & predictive analytics
- Simulation with AR/VR

**Business impacts**

- Optimised and variance driven line balancing
- Investment case simulation
- Virtual commissioning & HS&E compliance
- Reduction of production risk



**COMPLIANCE ANALYTICS**

**Levers**

- Process quality analytics
- Process and asset optimization & AI

**Business impacts**

- Improving efficiency
- Automated evidence collection



**ENERGY & SUSTAINABILITY MANAGEMENT**

**Levers**

- Smart energy management leveraging sensors and IIoT
- Analytics and AI (prescriptive & predictive)

**Business impacts**

- Energy savings
- Reduction of peak consumption



**VIRTUAL CONTROL TOWER**

**Levers**

- Real-time monitoring
- Intelligent Operations Platform (IOP)
- IIoT, Track & Trace
- Analytics and AI
- Real-time quality, inventory and availability

**Business impacts**

- Stock reduction
- Increased productivity
- Non-conformance reduction

## About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 370,000 team members more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2022 global revenues of €22.8 billion.

Get The Future You Want | [www.capgemini.com](http://www.capgemini.com)

## Mark Hewett

Vice President, Energy Transition & Utilities

[mark.hewett@capgemini.com](mailto:mark.hewett@capgemini.com)

Mob: 07850 366131



This presentation contains information that may be privileged or confidential and is the property of the Capgemini Group.

Copyright © 2023 Capgemini. All rights reserved.





# DRONE AS A SERVICE OFFERING

May 2023



# CONTENTS

1. Market Drivers and Challenges
2. Our Niche Value Proposition
3. Use Cases
4. Conceptual Architecture

# Opportunities for Growth

Drones present new **opportunities** and generate **efficiencies** in various industries such as utilities, telecom, mining oil & gas, and other large sectors.

The use of drones to conduct inspections can avoid hazardous scenarios, reduced man-hours saving costs and minimizes asset downtime.

The most common application of drones across sectors are in the areas of –

- Asset Inspection
- Surveillance
- Technician Safety
- Mapping & Surveying

---

**\$55bn**

Global commercial drone market by 2030

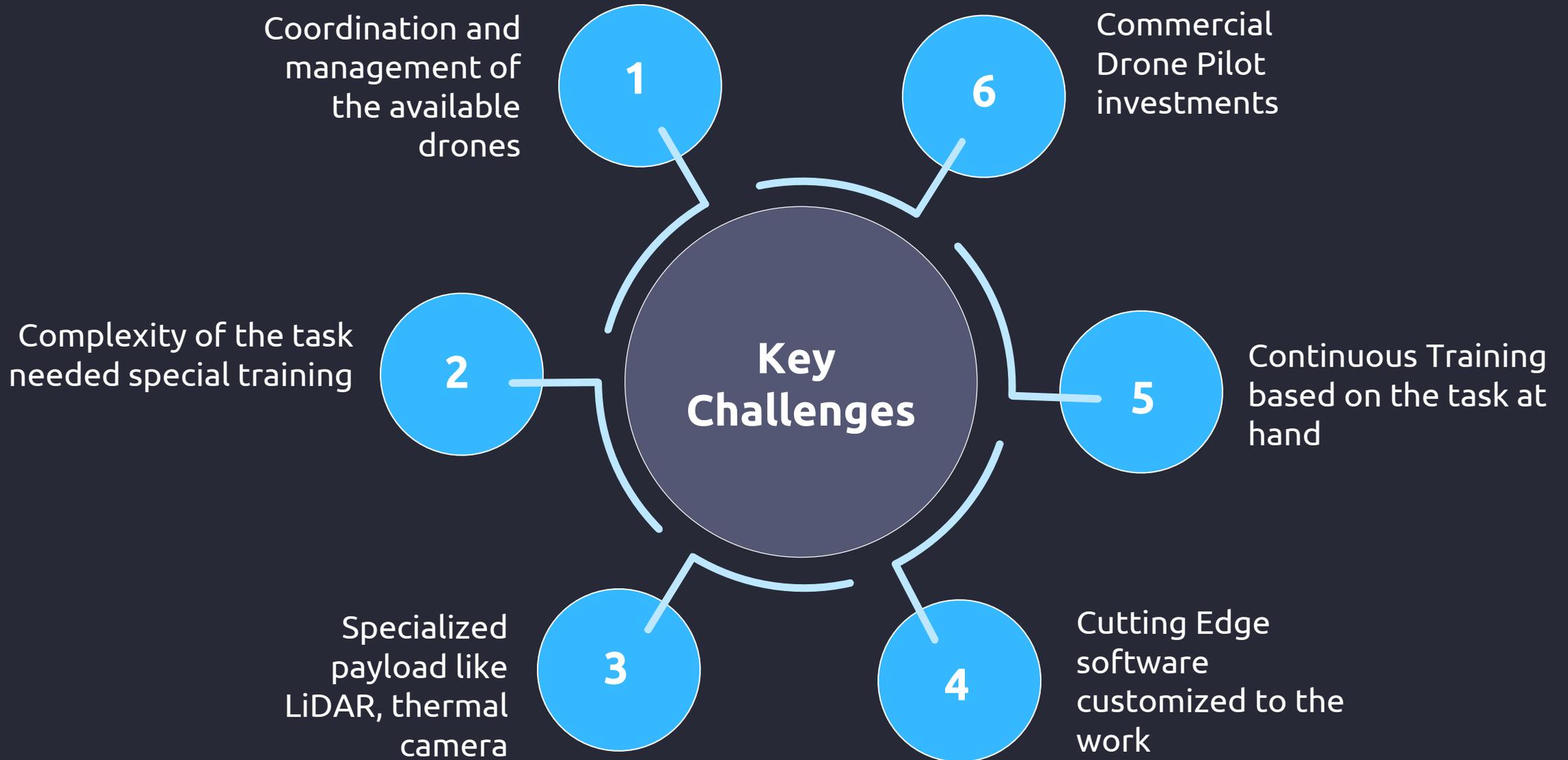
**25.82%**

Global commercial drone market CAGR 2022 - 2030

**14%**

of drone application market belonging to Energy & Utilities

# KEY CHALLENGES



# OUR OFFER

Drone-as-a-Service (DaaS) - A **Software as a Service (SaaS)**-based offering with **end-to-end** solutions to **manage and monitor a fleet of drones**, runs **inspection missions** to capture **high-quality data**, accesses inspection reports and derives actionable information through **AI-driven analytics**—all through a **single platform**.

## SINGLE MULTITENANT SAAS SOLUTION

Solution can be used for a plethora of use cases in individual industries where visuals are captured and analyzed by different models

50% savings in capital costs due to the application of SaaS model

## CUSTOMIZATION OF SERVICES

Industry professionals can focus on their core operations, while data collection and monitoring can be outsourced based on specific data capture requirements.

5% savings in OPEX costs due to the availability of readily available library of AI/ML models for multiple use cases

## COST OPTIMIZATION

Easily scalable and substantially cuts development costs and time. There is no specific installation or configuration needed based on the activity being performed.





# DRONE USE CASES ACROSS SECTORS IN DAAS

## Power Utilities

- Powerline Asset Inspection
- Vegetation Management
- Wind Turbine inspections
- Solar panels inspections

## Water Utilities

- Leak Detection
- Pipeline Inspections
- Overflows and pollution monitoring

## New Energies

- Methane leakage detection
- Flare stack inspections
- Spill detection
- Pipeline thermal inspections

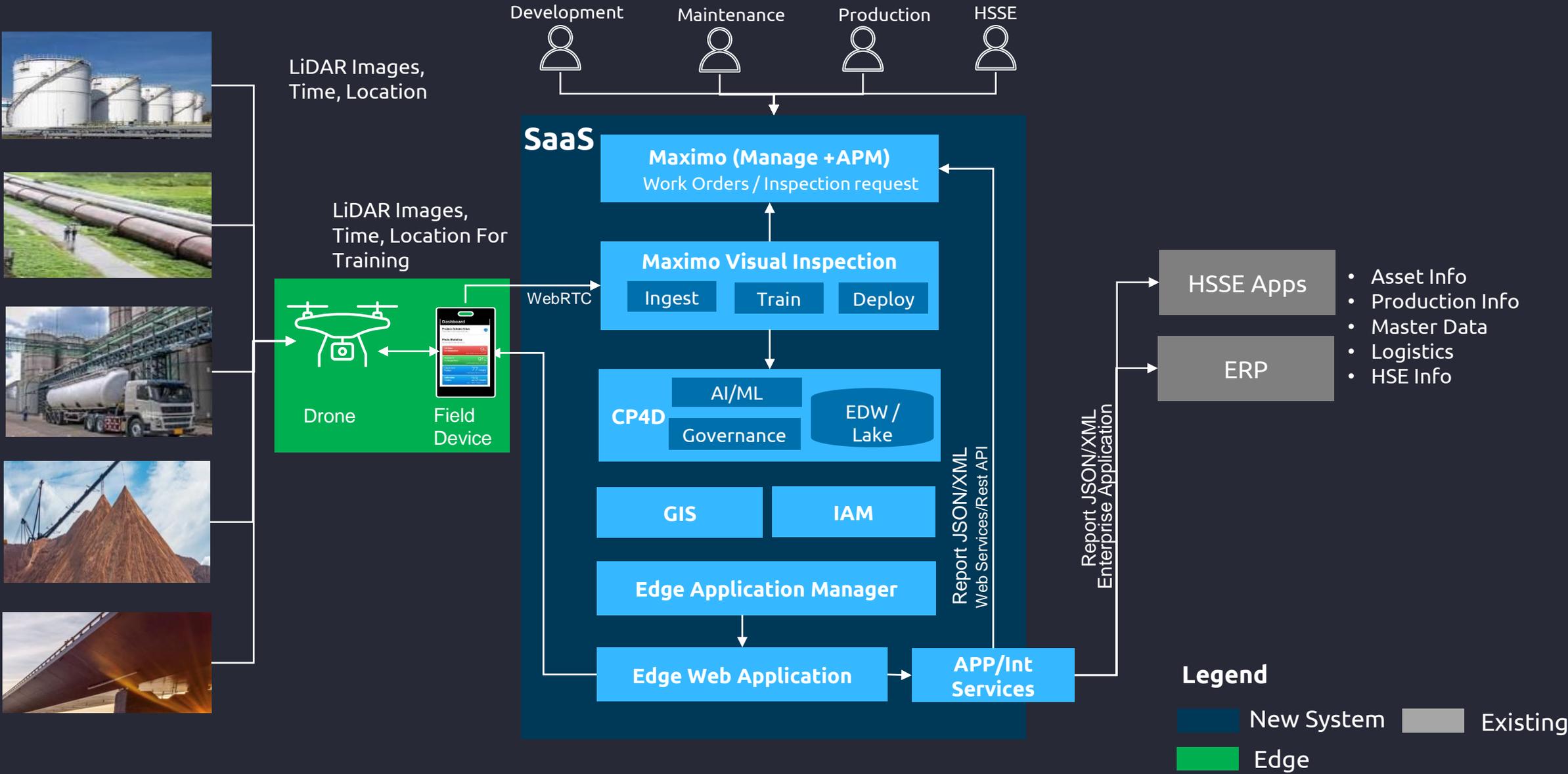
## Mining

- Hazard monitoring
- Biodiversity monitoring
- Haul road inspections
- Drill and blast area monitoring

## Telecom

- Mobile Tower inspections
- Network monitoring
- Surveying & Mapping

# CONCEPTUAL ARCHITECTURE



# OUR PROCESS & APPROACH



## Use Case Analysis & Target Definition

- Requirement collection & analysis
- Project success criterion identification



## Pilot Definition

- Define a first small scale step where hypothesis can be validated & improvements sought



## Pilot Run

- Pilot installation deployment & training on a small-scale environment
- Assess use case value creation in the client's environment
- User experience evaluation



## Assess

- Assess system benefits
- Assess ROI accuracy
- Validate full scale plans



## Scale & Roadmap

- Deploy full scale
- Replicate in other use cases



## About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 270,000 team members in nearly 50 countries. With its strong 50 year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fuelled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

Get the Future You Want | [www.capgemini.com](http://www.capgemini.com)



This presentation contains information that may be privileged or confidential and is the property of the Capgemini Group.

Copyright © 2023 Capgemini. All rights reserved.

# ENVIZI

REMOVE THE BARRIERS TO ACCELERATING SUSTAINABILITY  
PERFORMANCE

2023

The world's most comprehensive data, analytics and insights platform for Sustainability and ESG

14 yrs  
time in market

150+  
total clients

150  
countries reached

247k  
locations connected

Envizi harnesses the power of data, analytics and insights to transition to a low carbon future

# ACCELERATE SUSTAINABILITY INITIATIVES AND ACHIEVE ENVIRONMENTAL GOALS WITH...

**envizi**  
an IBM Company

# HOW ENVIZI HELPS ADDRESS KEY PAIN POINTS

# envizi

an IBM Company



## Build Data foundation

A single system of record that delivers auditable, financial grade sustainability data



## Streamline Reporting & disclosure

Flexible reporting tools to meet internal and external requirements



## Accelerate Decarbonization

Unlock insights to inform the fastest and most cost-effective pathway to low carbon goal





# MODULAR AND COMPREHENSIVE SOLUTION

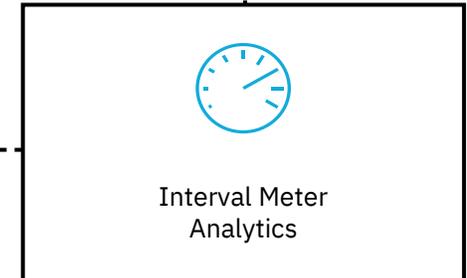
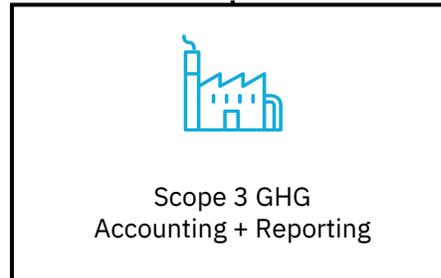
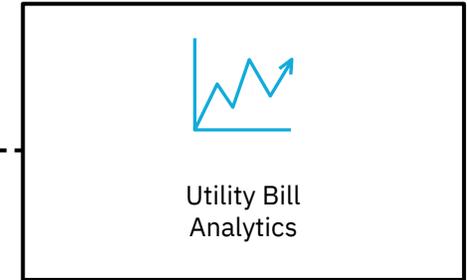
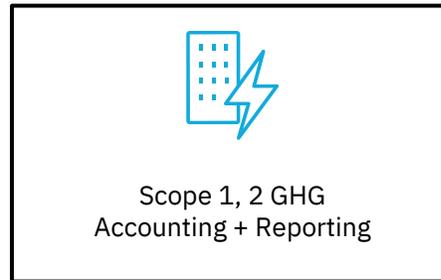
# envizi

an IBM Company

## Emissions Management

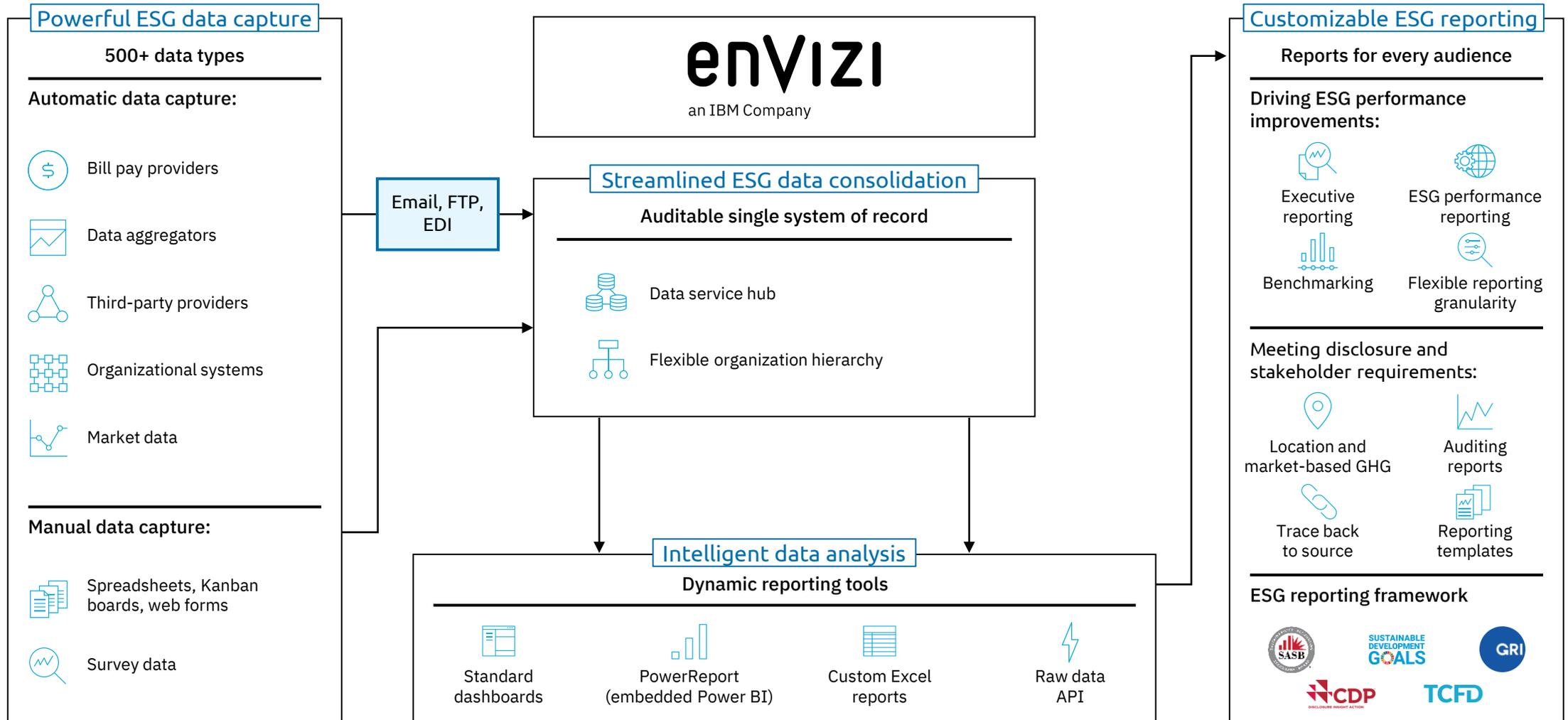
## ESG Reporting

## Decarbonization



Data Management - Single System of Record

# ENVIZI CONSOLIDATES SUSTAINABILITY DATA FROM PROVIDERS



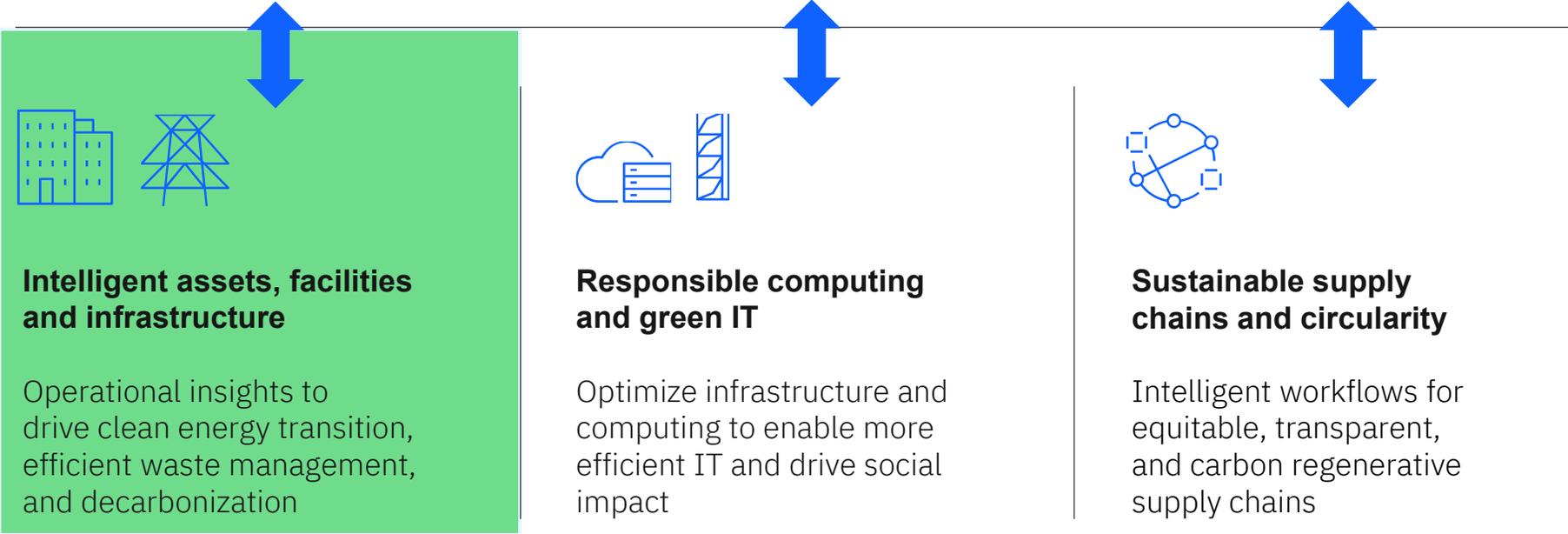
Our data-driven approach enables clients to identify where to start, where to go and how to get there.

**Sustainability Strategy and Roadmap**

Co-creating a sustainability agenda and pathways towards delivering corporate social impact and business value

**ESG Data, Reporting and Risk Management**

System of record for ESG data and insights to measure, report, operationalize and achieve your sustainability roadmap



# ENVIZI + MAXIMO VALUE PROPOSITION

## SUSTAINABILITY SYNERGIES

**Envizi:** The building blocks that accelerate your sustainability performance

1.

**Build** ↻  
Data Foundation



2.

**Streamline** ↻  
Reporting + Disclosure



3.

**Accelerate** ↻  
Decarbonization



Envizi + Maximo:

Get **transparency of your operations** and use this to **drive efficiencies** across your management of assets and **elevate overall sustainability practices**



Feed data from your entire portfolio of assets and plug them into Envizi for reporting



Leverage out-of-the-box tools to simplify reporting (compliance and performance)

1.

**Maximize** ↻  
Asset Service Life



2.

**Automate** ↻  
Operational Processes



3.

**Transform** ↻  
Operating Model



4.

**Differentiate** ↻  
Industry Best Practice



**Maximo:** Simplify and scale the maintenance of all your critical assets

## WITH ENVIZI, MAXIMO USERS CAN

- **Measure and track** the impact of your improvement projects in the language of ESG metrics such as greenhouse gas emissions.
- **Engage stakeholders** by making your efforts to improve ESG metrics visible across the organization.
- **Have confidence in the data** being used for sustainability target setting, with both the operations and sustainability teams working from the same single source of truth.
- **Reduce time and effort** by automating the input of operational data into a sustainability reporting platform.





# QR CODE FOR EXTRA RESOURCES

