

# Connecting with nature

**Environment Report 2024**

CGI IT UK Ltd

**CGI**



# Foreword

This year, CGI IT UK Ltd's Environmental Report provides an update on the progress and growth of the ongoing environmental activities and new solutions we are advancing in the UK. To support our ambitious environmental strategy, we have established robust commitments and plans. We have also collaborated widely with partners to ensure that we capitalise on opportunities in the transition to a sustainable future, whilst also preparing our organisation for the unavoidable impacts.

CGI IT UK Ltd, the legal operating entity of CGI Inc. (CGI) in the UK, has committed to a science-based emission reduction pathway of 1.5°C and to achieving net zero by 2030. As part of this initiative, we engage our employees (known as CGI Partners) to understand and reduce their impact on the environment and are consistently engaging our clients and suppliers to support their journeys to net zero. Our commitment to local communities also expands to supporting them to protect and restore our environment.

CGI embeds sustainable development as part of our day-to-day business operations and works with suppliers to maximise our positive environment, economic, and social impact. We are focused on integrating sustainability innovation into our ways of working, limiting our impact on the environment through improved circularity efforts, supporting the communities in which we operate, and promoting and restoring nature.

We are a signatory to the United Nations Global Compact (UNG) and support the UK's ambitious policy agenda to help achieve the goals set out by the Paris Agreement. Environmental sustainability is one of our top management priorities and we champion environmental management aligned to international standards such as

- Science Based Target Initiative (SBTi)
- ISO 14001 certified
- Task Force on Climate-Related Financial Disclosures (TCFD) through our UK and Australia Sustainability Executive Committee.
- Task Force on Nature-Related Financial Disclosures (TNFD) through our UK and Australia Sustainability Executive Committee.
- Carbon Disclosure Project



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# Our strategy and goals

Our strategy delivers on the United Nation's Sustainable Development Goals by working to minimise impact and support positive environmental outcomes. Setting ambitious goals is essential to driving better innovation, collaboration, and transparency. The CGI IT UK Ltd sustainability model, allows the company to create inclusive and sustainable value for all stakeholders. It leverages the capital approach to create financial value based on the organisation's distinctive expertise. The relationship between CGI IT UK Ltd and nature can be defined by the impacts and dependencies on ecosystem services and biodiversity. We aim to understand the context in which natural capital is pertinent to our organisation, whether through our operations, sourcing practices and supply chains, our products and services, our facilities, including our land based offices, particularly if this is an ecologically significant habitat. We have adopted the TCFD and TNFD recommendations and have developed our strategies to reduce our impacts and risks, while simultaneously striving for a net-positive impact on biodiversity. Our ultimate objective is to incorporate nature considerations into the strategic and risk management decisions made by the organisation.





### Research and innovation

Integrating sustainability innovation into our ways of working and offering to our clients, partners and communities.



### Climate action and environment

Strengthening our commitment to meet the target of limiting global warming to 1.5°C by focusing on our science-based near-term and long-term targets. Maintaining and enhancing our circularity efforts. Emphasis on sending zero to landfill, eliminating single use plastic and reducing the use of plastics.



### Future fit for partners, suppliers and communities

Creating awareness and visibility regarding supply chains and CGI Partner sustainability activities to support the communities in which we operate and cultivate a sustainable organisation.



### Robust organisation

Unlocking the business value of organisational sustainability by strengthening our sustainability DNA.



### Nature and biodiversity

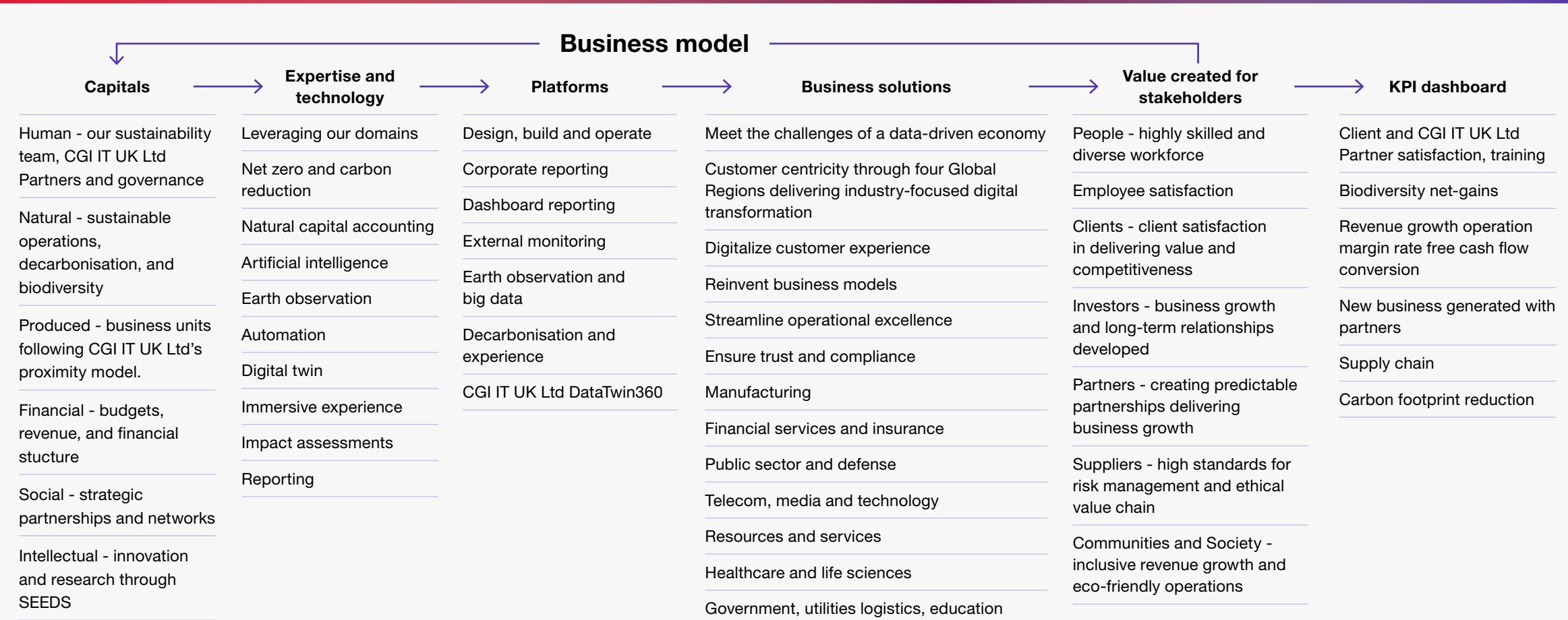
Developing new approaches for reporting on nature and biodiversity internally and externally. Promoting and restoring nature at our sites and in our wider communities.

# Sustainable value creation model

The CGI IT UK Ltd sustainability model, as illustrated, allows the company to create inclusive and sustainable value for all stakeholders. It leverages the capital approach to create financial value based on the organisation's distinctive expertise.



# Business model



# Robust organisation

For CGI IT UK Ltd, protecting the environment is a business imperative, and as such we have formalised ESG governance to the highest levels.

This year CGI IT UK Ltd published our UK Environment Report, UK Taskforce on Climate Related Financial Disclosures (TCFD) and UK Taskforce on Nature Related Financial Disclosures (TNFD) Report in alignment with the ISSB reporting framework to demonstrate our commitment and progress to our environment strategy and double materiality assessments. To improve and standardise our reporting practice across sustainability, we have leveraged tools such as a an ESG reporting dashboard and in-house social value calculator to holistically view ESG reporting and visualise data across all initiatives. This tool will be used to track our progress at every level.

The UK and Australia President, as chair of the UK and Australia Sustainability Executive Steering Committee, advised by the UK and Australia CSO, is responsible for ensuring that the consideration of environmental sustainability is considered in CGI IT UK Ltd's ongoing strategic planning and risk management cycles. The UK climate, nature and environment leads are responsible for supporting the CSO in identifying and managing CGI IT UK Ltd's climate and nature strategy.

CGI IT UK Ltd operates a two-tier structure consisting of our Sustainability Executive Steering Committee at a board level chaired by the UK and Australia President, and our UK.



Sustainability Committee and working groups, which are overseen by the UK's Chief Sustainability Officer (CSO). As part of this, we have implemented a clear and comprehensive governance structure designed to help us achieve our goals and reflect our objectives throughout the organisation while guiding our strategic approach. In the 2024 financial year, CGI IT UK Ltd strengthened its commitment to transparent reporting by making a public ESG commitment through its Social Value Strategy, which explicitly incorporated climate targets. Following a party audit, CGI received the Silver Social Value Quality Mark, one of the most rigorously tested standards in the UK. The Board endorsed this initiative as part of its broader commitment to improving sustainability risk management processes and ensuring that climate risk and opportunities are embedded into the company's strategic approach.

Climate and nature-related risks are escalated from individual business units through annual climate risk assessments. In 2024, CGI IT UK Ltd broadened its approach to align with the ISSB's requirements, integrating climate risk discussions into financial reporting and commercial operations. The integration of climate-related risks into business operations is managed through structured governance mechanisms. The Chief Sustainability Officer (CSO) leads the Environmental Working Group, which meets monthly to review sustainability risks, track progress against climate targets, and coordinate action across functions such as procurement, facilities, and health and safety. The Operational and Strategic Planning Sustainability Working Group ensures that climate risks and opportunities are embedded in decision-making at the business unit level.

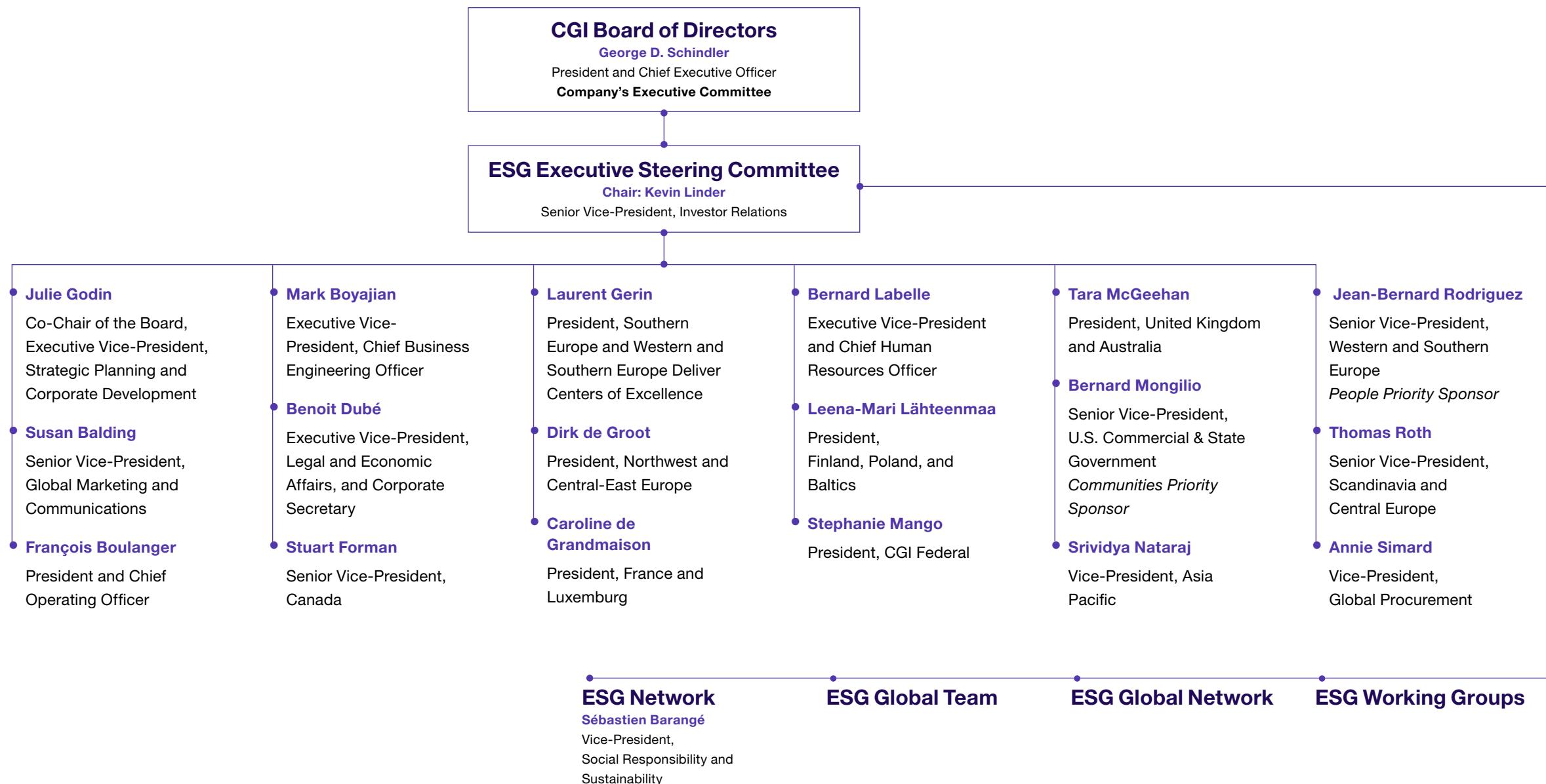


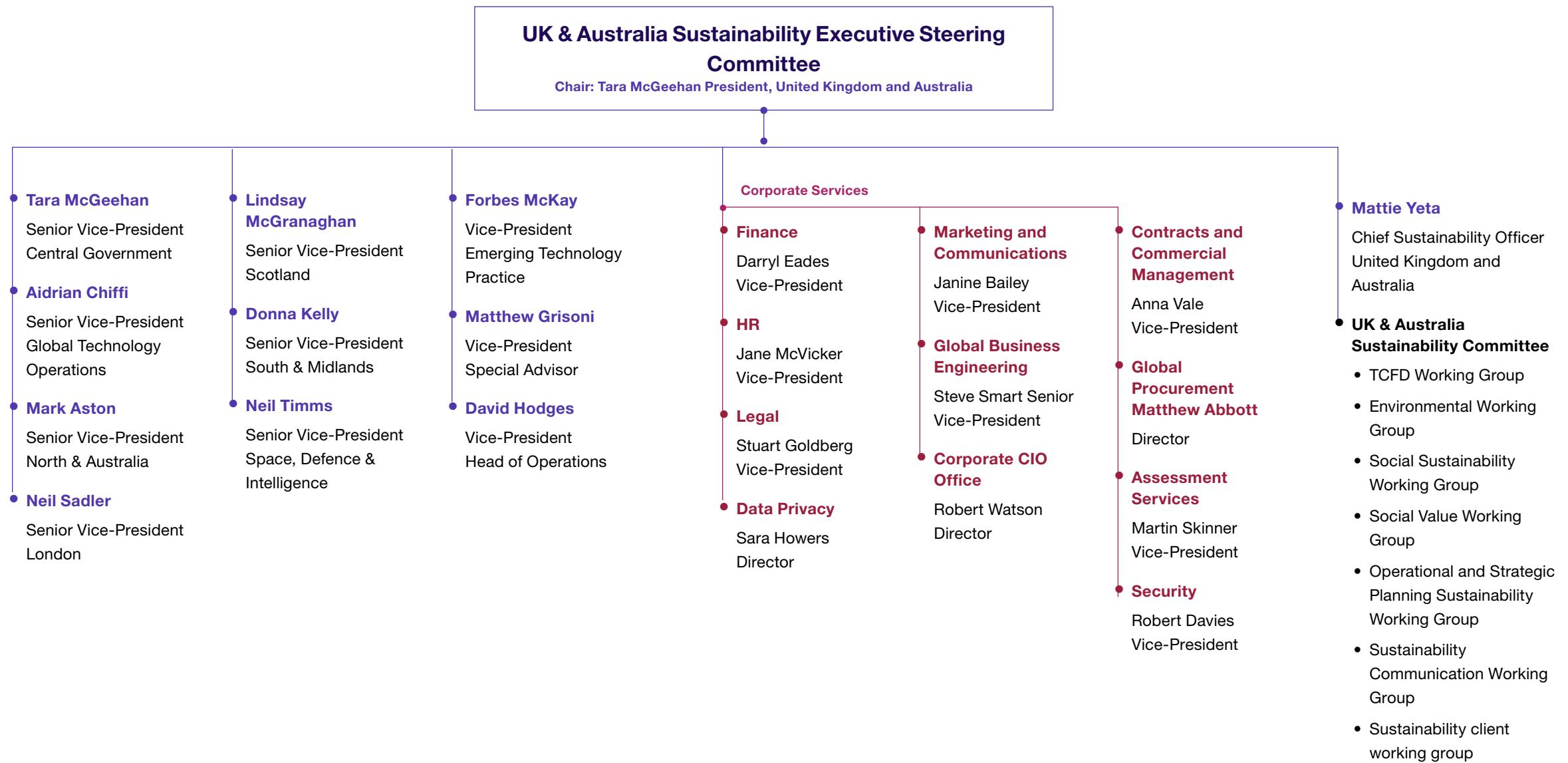
# Governance structure

Governance forum	Responsibility
<b>CGI's ESG Executive Steering Committee</b>	Our global ESG Executive Steering Committee is responsible for all sustainability matters. Members of this committee discuss and advise on sustainability strategy, targets, planning and budget.
<b>UK and Australia Sustainability Executive Steering Committee</b>	Sustainability matters are discussed on by the UK and Australia Sustainability Executive Steering Committee. This committee monitors climate-related risks and periodically discusses sustainability matters, feeding into the global audit process and reporting to CGI's ESG Executive Steering Committee, as necessary.
<b>UK and Australia Chief Sustainability Officer (CSO)</b>	Responsible for overseeing CGI's sustainability agenda in the UK and Australia, the UK and Australia CSO is responsible for the set-up and implementation of the sustainability strategy, including targets, planning and budget. The CSO keeps up to date on all sustainability developments and is responsible for engaging with our external stakeholders on sustainability matters. The CSO meets regularly with each business unit to evaluate activities, discuss progress and plan future developments.
<b>UK and Australia Operational Leadership and Sustainability Committee</b>	Responsible for distributing sustainability knowledge and tasks across the organisation through operational leads. Monthly meetings to discuss upcoming legislation, sustainability strategy including net zero targets, business travel planning and budgets. The sustainability function meets regularly with each business unit to discuss progress and receive a view from across the business on sustainability strategy.
<b>UK and Australia Environmental Sustainability Committee</b>	Responsible for overseeing CGI's environmental sustainability agenda in the UK. The UK and Australia CSO and UK Net Zero Lead are responsible for setup and implementation of Net Zero Strategy, including targets. The CSO also frequents the committee with other climate related agenda items such as waste management, nature and biodiversity, and emerging regulations.

Governance forum	Responsibility
<b>UK and Australia Sustainability Committee</b>	Our UK and Australia Sustainability Committee, is responsible for all environmental sustainability matters across the UK and Australia Strategic Business Unit and is where members can discuss and advise on environment sustainability strategy and targets. The Sustainability Committee is also responsible for implementing UK and Australia decarbonisation projects and GHG emission reporting supported by the Net Zero Programme Lead.
<b>Sustainability Working Groups</b>	Ad-hoc working groups and networks reporting to the UK and Australia CSO and UK and Australia Sustainability Committee. These groups advise on specific environmental and sustainability matters including TCFD, social and client facing sustainability, social value, operational and strategic planning, and sustainability communication.







# Climate action

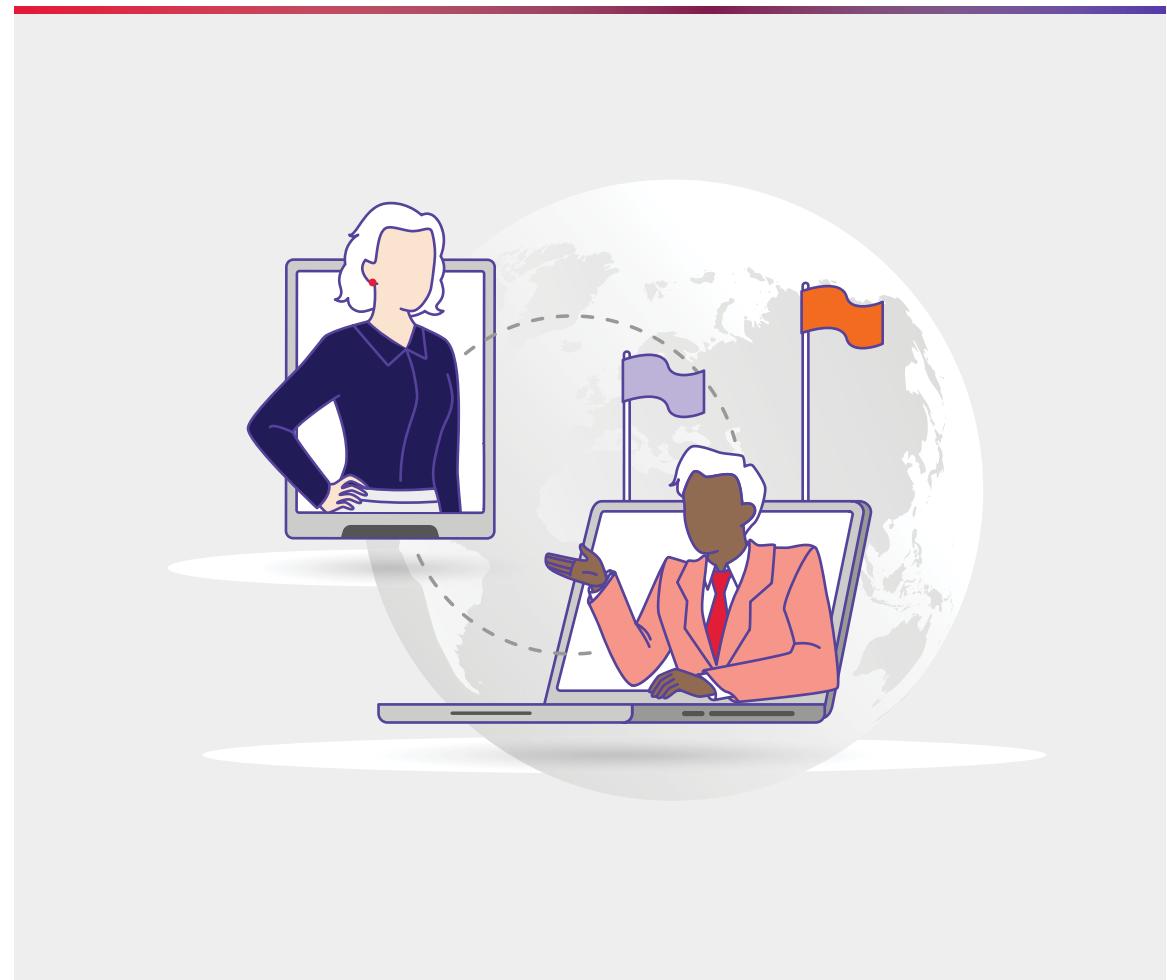
We are committed to reducing 46% of our emissions within our operations across Scope 1 and 2 by 2026, and 46% for Scope 3 business travel by 2030. 73% of our suppliers will have set an SBTi target by 2029.

At CGI we are proud to be a Responsible Business and are committed to a more inclusive and sustainable world for future generations.

CGI IT UK has committed to achieving net zero carbon emissions by 2030 aligning with global CGI targets. We have set science-based targets aligned with the 1.5-degree climate goal, validated by the Science Based Targets Initiative (SBTi).

Since January 2021, CGI has focused on reducing operational scope 1 and 2 carbon emissions by 46% from a 2019 baseline. In FY2024, our overall emissions reduction for scope 1 and 2 was 87%, a reduction of 18% in emissions compared to the previous year. This reduction has been met through the transition to renewable electricity across our UK sites and reducing consumption of electricity and natural gas.

For FY2024, our overall emissions reduced by 57% against our FY2019 baseline, equating to 3,523 tonnes of carbon dioxide equivalent (tCO2e) market based defined.



Reducing energy emissions from our buildings continues to be a key focus. In 2024, 98% of our UK sites were supplied by 100% renewable energy, making key progress towards our overall goal of 100% of our UK estate powered by renewable energy. We achieved a 50% reduction in electricity consumption (kWh) in 2024 compared to FY2019. These reductions have been achieved through implementation of key levers, transitioning to 100% renewable electricity, improving and optimising energy efficiency in our operations and reducing the size of our UK building portfolio.

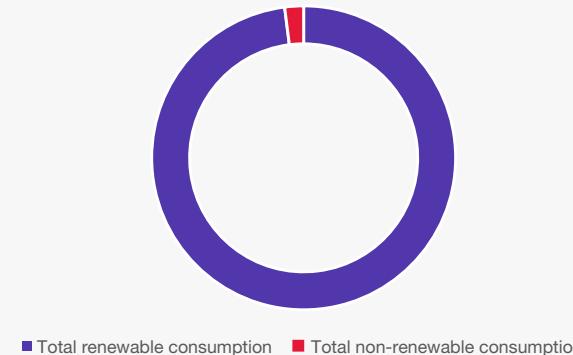
Alongside our commitment to reducing energy consumption and transition to 100% renewable electricity, we are prioritising the efficient management of our data centres. Our focus includes improving our power usage effectiveness (PUE) ratio – a key metric that measures data centre energy efficiency. By lowering our PUE, we aim to enhance our overall energy efficiency. To further understand power usage within our data centres we have begun projects installing sub-metering systems at two of our sites, providing us with a better understanding of electricity usage, improving management and reducing emissions.

In 2024, we enhanced the reporting for our scope 3 business travel achieving a reduction of 38% against our FY2019 base year. Our scope 3 commitment for supplier engagement offers a powerful opportunity to accelerate global decarbonisation by collaborating with suppliers and customers across our value chain. Together, we aim to reduce emissions associated with our shared business activities.

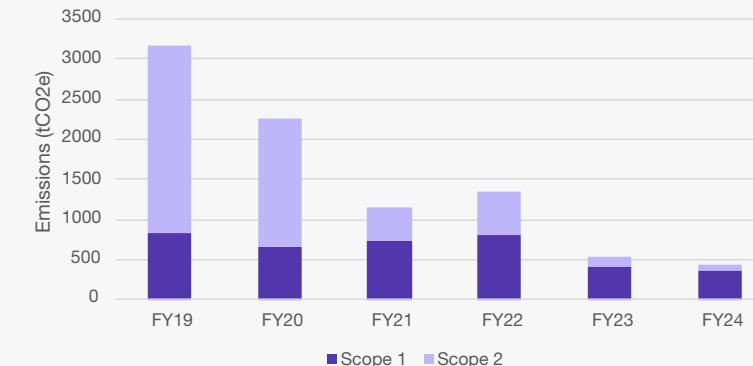


# CGI IT UK Ltd - Scope 1, 2 and 3 emissions

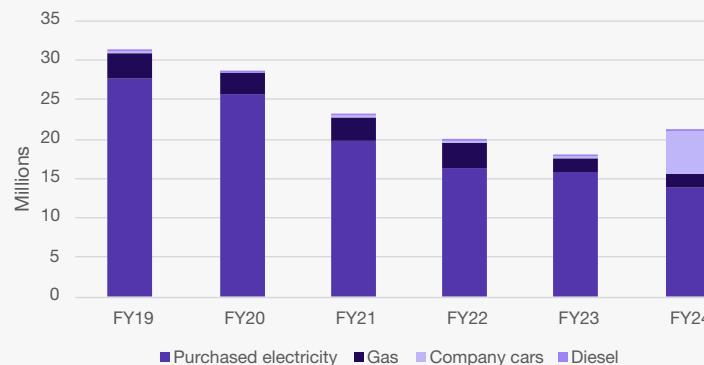
Total electricity consumption in FY24



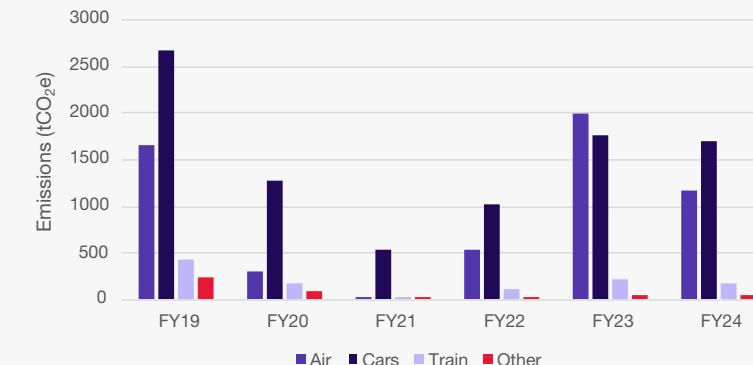
Scope 1 and 2 emissions

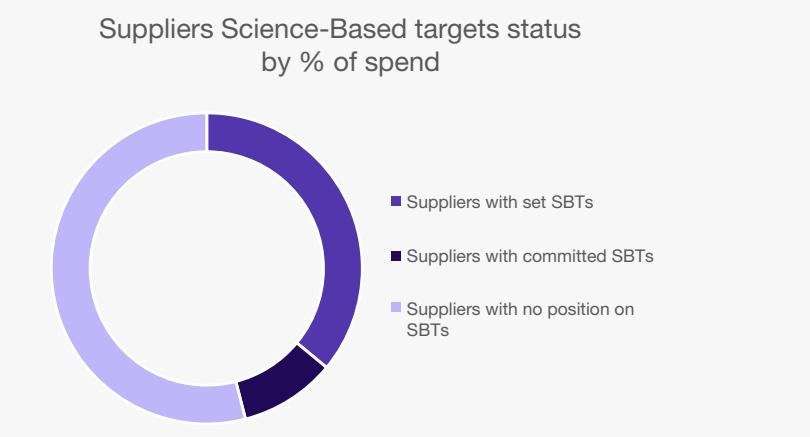
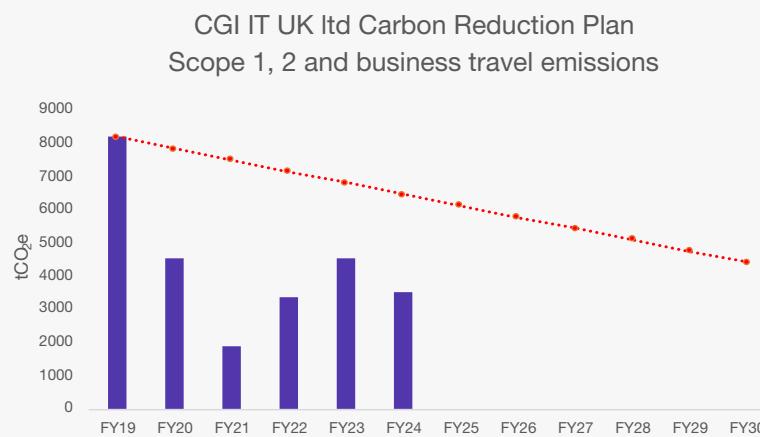
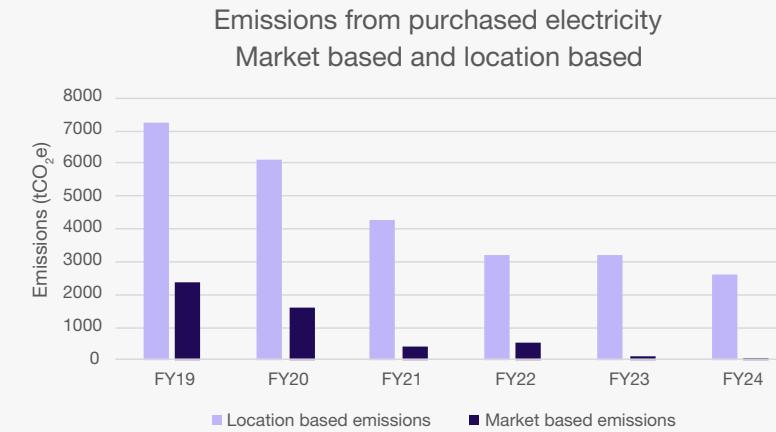
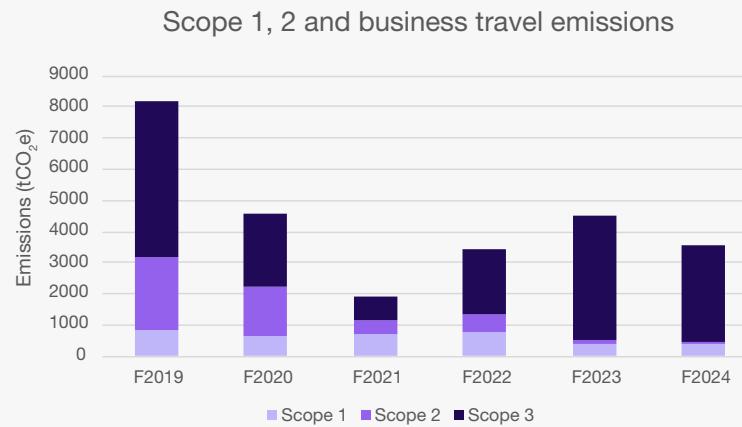


Energy consumption (kWh)



Business travel emissions

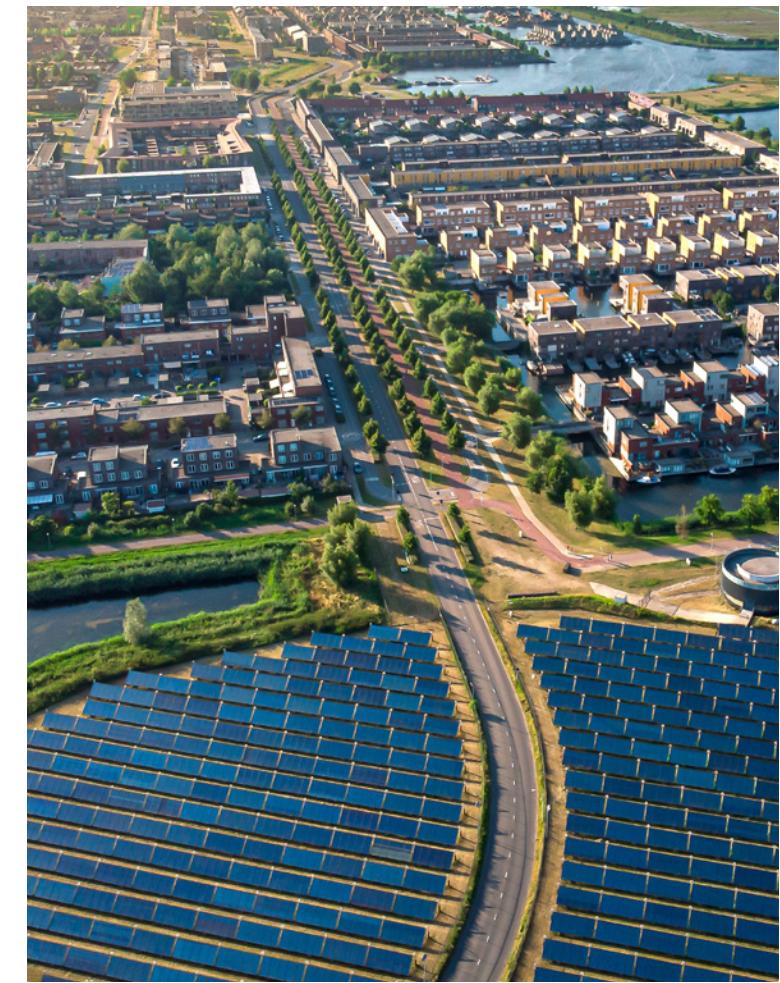




# Completed carbon reduction initiatives

The following environmental management measures and projects have been completed or implemented since the FY2019 baseline. The carbon pathway achieved to date, equates to an 87% reduction across scopes 1 and 2, and a 39% reduction in scope 3 business travel emissions against the 2019 baseline.

- Set 1.5 degree near-term science based targets - verified and approved by the Science Based Targets Initiative (SBTi) and is a signatory of the Race to Zero. CGI IT UK Limited commits to reduce absolute Scope 1 and 2 (market-based) GHG emissions by 46% by FY2026 from an FY2019 base year. CGI IT UK Limited commits to reduce Scope 3 business travel emissions by 46% by FY2030 from an FY2019 baseline. CGI IT UK Limited commits that 73% of its suppliers by spend, covering purchased goods and services and capital goods, will have science-based targets by FY2029.
- 98% of the electricity consumed across CGI IT UK Ltd's offices and data centres now comes from renewable sources, with only one site powered by non-renewables, a focus of our decarbonisation strategy.
- We have been ISO14001 certified since 2006 and use 100% renewable energy wherever we have direct control over energy sources.
- Implemented Business Unit 'BU' (sector) specific carbon budgets for business travel recognising the importance of measuring and managing its business travel emissions down to a sector level.
- Continued our science-based targets (SBTs) engagement programme for our suppliers. Providing support to our suppliers on their journey to Net Zero and setting SBTs, including regularly engaging with key suppliers to reduce the environmental risks associated with our supply chain.



- Measured and included our employee commuting and working from home emissions. These were calculated using data from an annual survey which provided insight into the distance employees travelled for each mode of transport, the frequency of commuting versus working from home, and the energy consumption and main sources of emissions whilst working from home. An enhanced survey was used to gather better insights into travel patterns. The average figures per employee have been calculated in the survey and extrapolated to reflect the total number of employees in CGI IT UK Limited.
- Invested in infrastructure to reduce our energy consumption. Continuing our partnership with Arbnco, Arbnco software is implemented at CGI IT UK sites to monitor energy performance and support the reduction of energy in its buildings. We have also used the software to model the cost and carbon savings of renewable energy projects.
- Building management systems (BMS) have been installed at several UK sites to support our facilities teams in monitoring, controlling and adjusting the energy settings of the buildings remotely, reducing the amount of energy consumed and wasted. BMS upgrades are in progress at our Solihull, Glasgow and Chippenham offices.
- Began our transition to a low-carbon fleet and continued to run electric vehicle incentives for our partners.
- Developed a new carbon calculator tool to determine carbon emissions at a project specific level.



# Circular economy

We're on track to achieve our target of zero waste to landfill by 2026 ahead of time, with significant progress made in FY2024.

At CGI, we recognise that waste is not simply a byproduct of our operations but a resource that, when managed effectively, contributes to a more sustainable and circular economy. Our approach to waste management aligns with the waste hierarchy, prioritising prevention, reuse, recycling, and recovery over disposal. We embed circular economy principles into our waste management processes through strategies such as reuse, repair and recycling.

To support this, we have taken significant steps to enhance the accuracy of our waste data and reporting. Over the past financial year, we have completed a comprehensive waste data and process audit to ensure our waste management processes align with best practices and regulatory requirements. This has provided us with enhanced insights into our waste streams. In FY24, we generated 115 tonnes of waste, representing a 28% decrease compared to the previous financial year.

The resources we're in surplus of include, WEEE (Waste Electrical and Electronic Equipment), general waste, confidential paper, glass, food waste, and cooking oil waste to name a few. Our focus remains on preventing waste in order to achieve our zero waste to landfill by 2026 target. By working closely with our waste management partners and improving internal processes, we are actively diverting waste from landfill and increasing recycling and reuse rates. For example, we donate laptops to local community groups to extend the life of hardware. In FY24, 99.9% of our waste was diverted from landfill, demonstrating progress toward our 2026 target. By integrating circular principles into our processes, we aim to maximise the value of materials throughout their lifecycle and contribute to a more sustainable future for our business and the communities in which we operate.



# Nature and biodiversity

At CGI, we recognise the interdependence between business and nature. Protecting and enhancing natural capital is key to our long-term resilience and the well-being of CGI Partners.

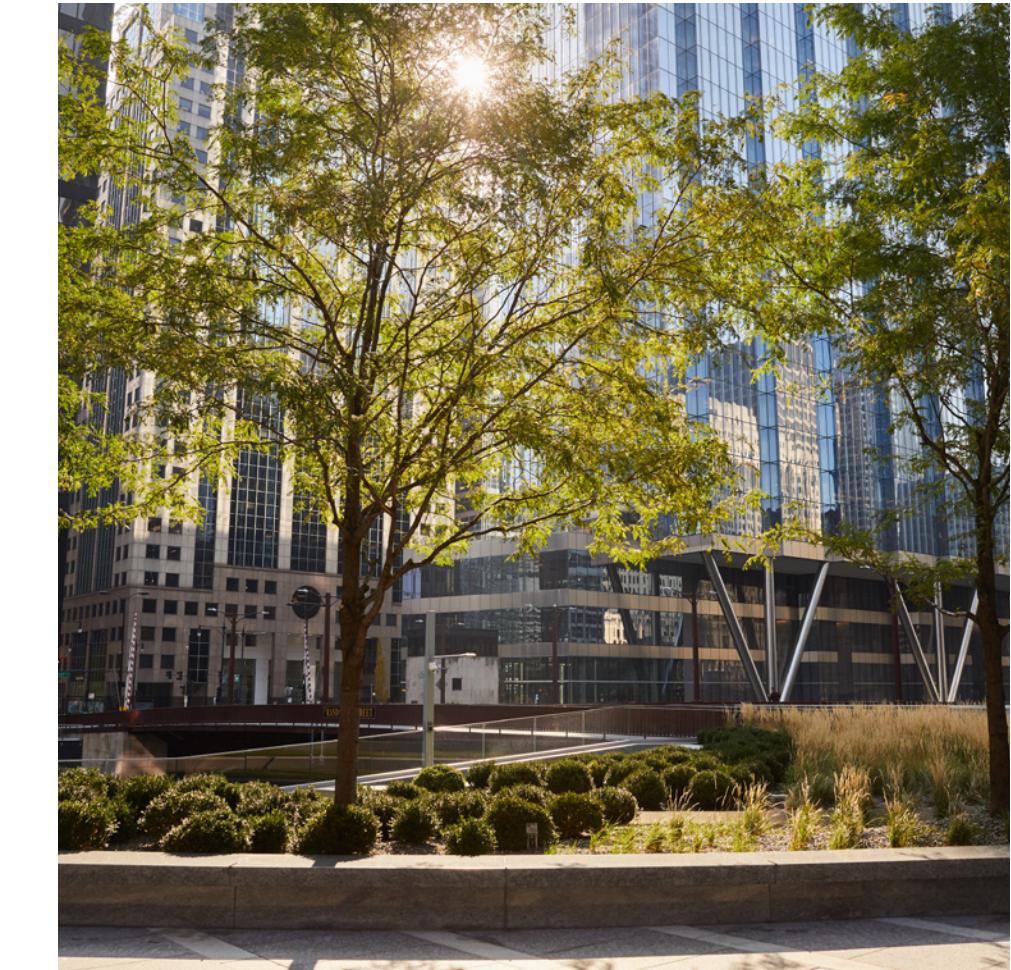
## **Task Force on Nature-related Financial Disclosures**

We are proud to be the first UK technology company to report against the Task Force on Nature-related Financial Disclosures (TNFD), reinforcing our commitment to transparency and action. By embedding nature considerations into our risk management and transition planning, we aim to mitigate biodiversity loss while driving positive environmental outcomes.

Utilising our in-house expertise we have conducted scenario modelling to assess the impact of nature-related risks across three Shared Socioeconomic Pathway (SSP) climate scenarios.

We also completed our first set of natural capital accounts, mapping key ecosystems, including improved grassland, deciduous woodland, coniferous woodland, and land use.

Looking ahead, we will continue to assess nature-related risks and opportunities across short-term (2025-2028), medium-term (2029-2035), and long-term (2036-2050) timescales. Our goal is to reduce environmental impacts, enhance biodiversity, and work towards a net-positive impact on nature, ensuring a more sustainable future for our business and the communities in which we live.



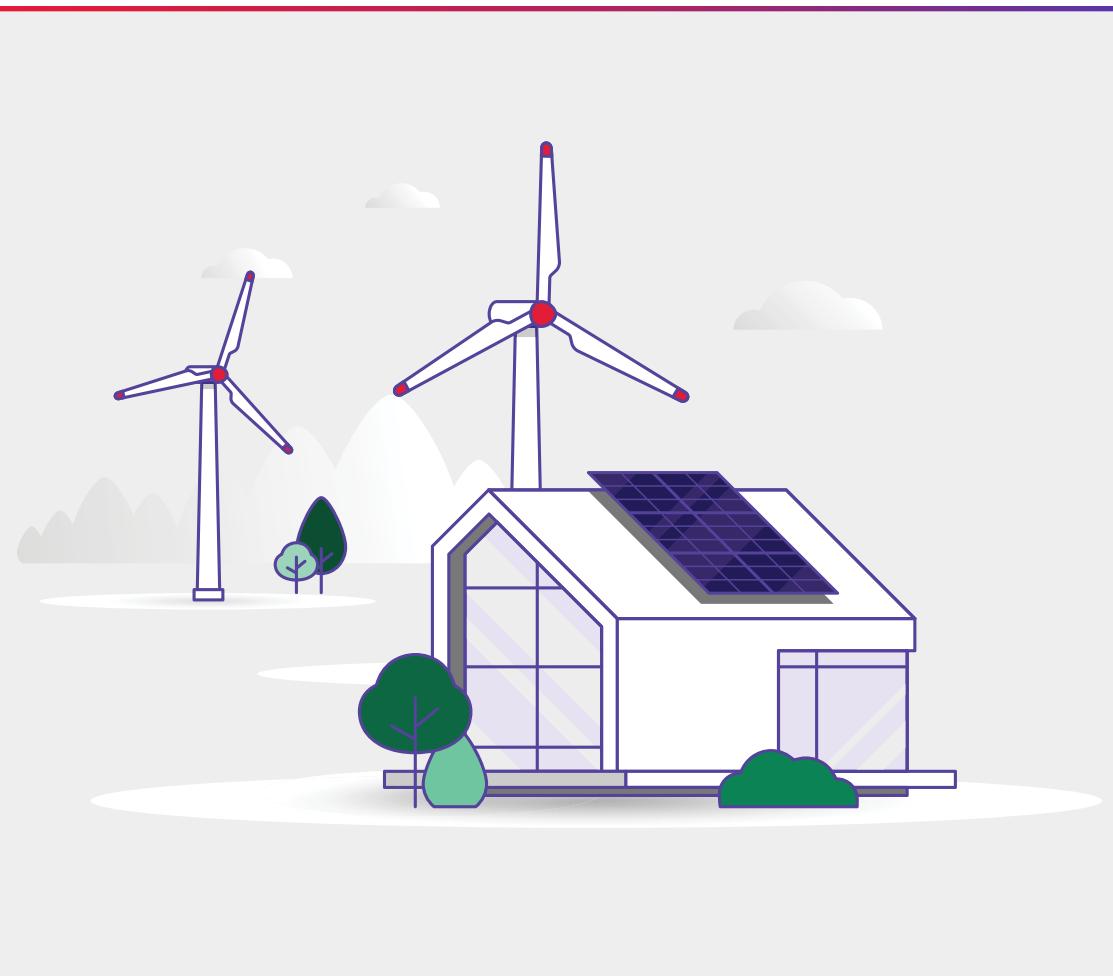
At CGI we recognise our responsibility to protect the ecosystems that sustain us all. In FY2024 we developed new nature projects and continued our partnerships to promote and restore nature and biodiversity.

### **Honeybees**

In FY24, we installed four beehives across two of our offices, supporting local pollination, biodiversity and employee wellbeing. To further help pollinators, we introduced wildflower meadows at our Reading office and reduced mowing at selected sites, allowing wild plants and flowers to flourish. At our Leatherhead office, this approach led to the rare bee orchid blooming, demonstrating how small changes can create healthier ecosystems and contribute to local biodiversity.

### **Taskforce on Nature-related Financial Disclosures**

At CGI we embrace a holistic approach to sustainability, which is why we are proud to be a pilot participant in the Taskforce on Nature-related Financial Disclosures (TNFD). The TNFD is a voluntary framework for businesses to assess, report, and manage their impacts and dependencies on natural capital. As a pilot participant, we actively contribute to refining the TNFD framework through testing and feedback. We see this as a crucial tool for building resilience and ensuring business longevity as we recognise the vital role nature plays in long-term success.



## Project Seagrass

We've partnered with Project Seagrass to help develop an open-source algorithm that maps and tracks seagrass meadows using CGI GeoData360 and Copernicus satellite data. This pro-bono project supports conservation efforts by providing valuable insights to restore and protect this vital ecosystem. By keeping the algorithm open-source, we're helping researchers and policymakers enhance coastal seagrass health. This innovative approach informs strategies for preserving, restoring and identifying seagrasses, aligning with our commitment to environmental stewardship. The insights from the platform assisted the identification of a new seagrass meadow in Orkney in June 2023.

## Peatlands

In FY2022, we partnered with Forest Carbon to invest in peatland restoration within the UK. We continue to recognise the benefits of the partnership, both through the pending issuance units (PIUs) carbon credits resulting from the restorations and the tangible impacts peatland restoration has on our environment.

Within the UK, peatlands cover 10% of the land area however 80% of peatlands are in a degraded state resulting in the release of substantial amounts of CO2 emissions into the atmosphere. Restoration of global peatland allows for the storage of carbon within the peatlands natural carbon sinks along with the promotion of biodiversity and improvement of local water quality.



## Our UK peatland initiative is situated at the Talla Reservoir in Dumfries and Galloway.

### Investing in degraded grasslands

Our approach to achieving Net Zero follows a mitigation hierarchy, prioritising emissions reductions across our operations and value chain. However, we understand that some emissions resulting from these activities are unavoidable. As part of our strategy for tackling residual emissions, we partner with nature-based projects working to capture carbon. In FY2024, we continued our collaboration with Carbonfootprint, supporting the restoration of the Guanaré Forest Plantations in Uruguay, a project we have been supporting for a number of years. The Guanaré Forest Plantations was previously impacted by extensive cattle grazing, resulting in ecosystem degradation and loss of carbon sequestration. The project focuses on direct carbon sequestration for storage in natural carbon pools.

As we progress towards establishing a long-term Net Zero target, we will limit our reliance on carbon removal projects (offsets) until reaching our Net Zero target year, aligning with science-based targets and best practices. Thanks to our international carbon credit investment, CGI IT UK achieved carbon neutrality for its FY2024 operational and business travel emissions.

### Water management

Water is a critical natural resource for all businesses, and we are committed to minimising our consumption. Given the nature of our operations, our direct water usage is relatively low. However, we actively reduce our indirect impact through responsible e-waste management, helping to conserve natural water resources and ease demand, particularly during drier periods.

In FY2024, through the redeployment, remarketing, and recycling of e-waste, we saved 608,000 litres of water. Additionally, our London office's greywater harvesting system repurposes water from sinks, showers, and drains for toilet flushing, reducing reliance on freshwater and lowering utility costs. This efficient approach supports sustainable water management, easing demand on freshwater supplies while requiring less intensive treatment.

### Tree planting

Our Community Tree Planting initiative donated 6000 trees to community groups across the UK in FY24, bringing the total to 21,500 trees since its launch in 2019. British tree species—20 in total—were provided to schools, charities, hospices, and nature reserves. Each group received the trees free of charge, along with equipment and instructions to ensure long-term growth and sustainability. This initiative is driven by our partners, who nominate local groups and volunteer on planting days. During these sessions, partners also educate primary school children on the vital role trees play in combating climate change.



# Supporting the United Nations and UK Government

In FY24, we have actively engaged in strategic partnerships and high-impact events, fostering collaboration with industry leaders to drive meaningful progress toward a low-carbon economy. Industry collaborations are crucial as they create platforms for knowledge-sharing, innovation, and collective action in tackling climate challenges.

## **Our events and initiatives have included:**

- Chatham House Roundtables, facilitating critical discussions on industry specific sustainability challenges
- The Green Sector Group, driving collaboration across industries to advance green initiatives
- Ethical Business Forums, promoting responsible and sustainable business practices

One of our flagship events, the CGI Sustainability Careers Expo, plays a crucial role in shaping the workforce of the future. This event welcomed 1,500 students, providing them with hands-on experiences through interactive stands, expert-led workshops, and career guidance—all aimed at inspiring the next generation of sustainability leaders.



In collaboration with Digital Leaders, we proudly support the Net Zero 50 List, which honours 50 leading individuals making significant contributions to the UK's transition to a low-carbon economy.

To further recognise these sustainability pioneers, we hosted an exclusive event at Sky Garden, bringing together industry leaders, innovators, and policymakers—including the Minister for Net Zero, Kerry McCarthy. This celebration highlighted the efforts of individuals and organisations that are actively driving the UK towards a sustainable, net-zero future.

Through these partnerships, events, and initiatives, we continue to drive collaboration, innovation, and action.





## No Planet B

'No Planet B' is an initiative that encompasses all of our sustainability and environmental employee engagement. The aim is to engage CGI Partners on our journey towards meeting our environmental and sustainability objectives. The programme welcomes open discussion and suggestions from our employees on how we can be more sustainable as a business. The No Planet B working group brings together employees with a particular passion for environmental sustainability. The initiative is led by volunteers who collaborate with our facilities, communications and sustainability teams on activities that support our broader Net Zero ambitions.



## Sustainability roadshow

In the summer of FY24, we held a 'Sustainability Roadshow', holding events across several of our UK office locations. CGI Partners were given the opportunity to test drive electric cars with Tesla, try plant-based foods and discover all of our employee engagement programmes such as volunteering, kit sponsorships, charitable donations scheme, tree planting and litter picks. The roadshow was run by our sustainability team and supported by our No Planet B group. It was great to speak to CGI Partners about their understanding of sustainability and take suggestions from local offices on how we can work together to achieve our Net Zero targets.



## Volunteering

CGI Partners are encouraged to use their skills as IT professionals to benefit the communities in which we live and work. CGI Partners are provided with 'volunteering leave' of one day per year, to benefit the causes that mean the most to them. Environmental initiatives were very popular in FY24, with CGI Partners volunteering with Project Seagrass, planting trees across the UK, undertaking litter picks and cleaning up canals. Our biggest outreach event of FY24 was the Sustainability Careers Fest, a sustainability-focused careers festival in which over 40 CGI volunteers inspired more than 1600 students to consider careers in sustainability via engaging workshops, talks and stands.

# SEEDS

## What is SEEDS?

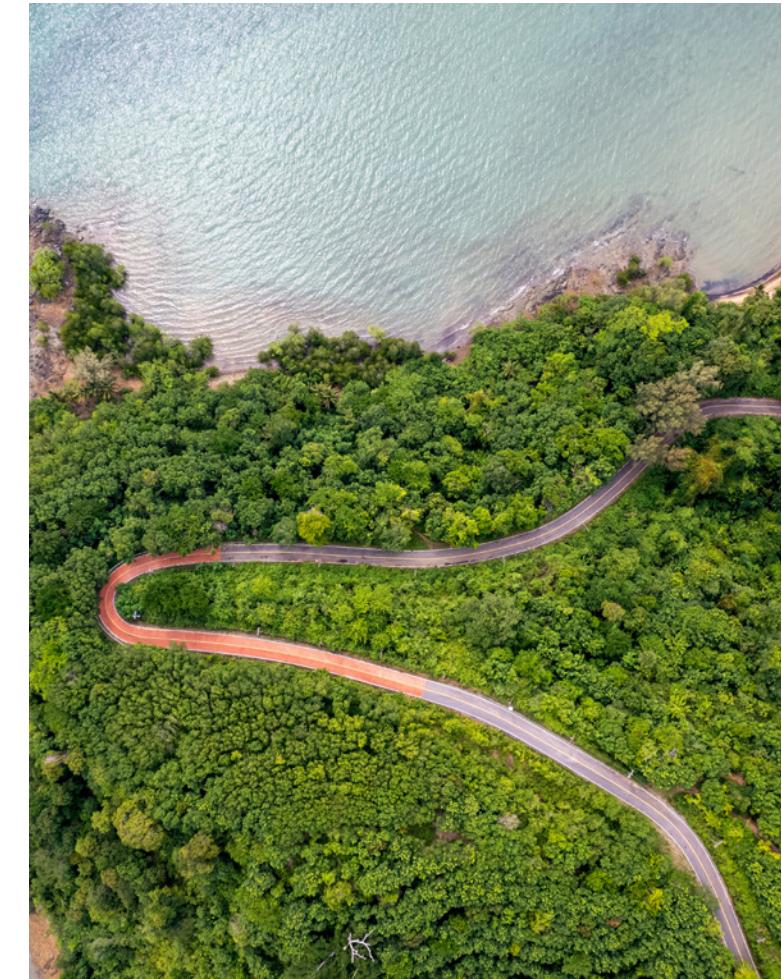
CGI's Sustainability Exploration Environmental Data Science (SEEDS) programme is run in partnership with the United Nations and global academia. The programme has continued to grow since it was launched in 2022.

The ambitious research programme brings together experts to develop transformational new technologies and products. With the goal of creating innovative new solutions to benefit the United Nations, governments, businesses, and individuals.

To date, the programme has explored multiple sustainability topics, accompanied by a plethora of technological solutions. These areas include climate change, natural capital accounting, biodiversity, circular economy, water resources, behaviour change, modal shift, and public health.

## SEEDS membership

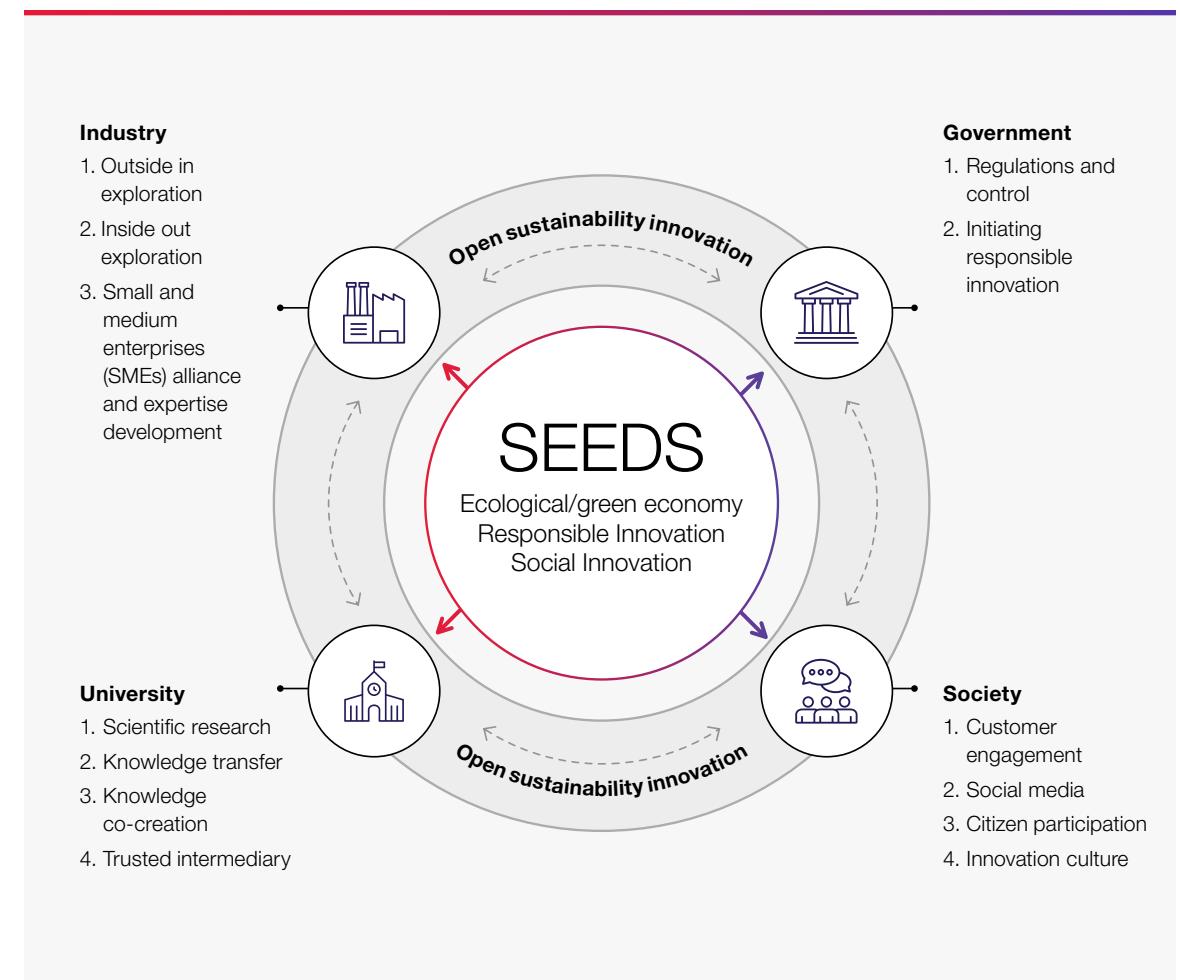
Membership of the SEEDS programme has nearly doubled since its launch in 2022 to 40. The programme has expanded to a range of new technical expertise covering circular economy, geographical information systems, environmental sciences, computing, mathematical sciences, and agricultural research. SEEDS is currently driving research in 13 different areas with different projects and use cases. This would not be possible without the SEEDS members who provide expertise and unique perspectives in their fields. The SEEDS programme has three core objectives: Internal innovation harvesting - CGI's technical prowess to develop sustainable technology solutions in-house, pushing the boundaries of our own capabilities and expertise. Collaborative market expansion - partnering with industry leaders and academic institutions to identify and address unmet sustainability needs, thereby creating new market opportunities. Funding acquisition leveraging - our extensive SEEDS network to secure UKRI funding, enabling the realisation of ambitious sustainability projects on a larger scale.



## SEEDS project 2024

Since its launch two years ago, SEEDS has delivered key projects aligned with the UN Sustainable Development Goals. The CGI SEEDS programme has delivered flagships projects including:

- **Hydro energy assessment** – a Google Cloud-based tool that maps hydro-kinetic energy potential in river systems globally. Already used in three African countries, it provides data-driven insights to guide energy investments.
- **Sustainable water management** – working with the UN, CGI uses satellite data to monitor groundwater levels in the water-scarce Arab region. This helps optimise irrigation and support sustainable water use in 19 water-stressed countries.
- **Water pollution prediction** – in partnership with Ordnance Survey, CGI has developed an AI tool that detects and predicts water pollution from space. Tested in the North Devon UNESCO Biosphere Reserve, it enables proactive pollution management.
- **Global methane mapping** – a digital twin developed with Edinburgh Napier University visualises global methane emissions. By identifying major sources, this tool supports targeted reduction strategies for one of the most potent greenhouse gases.



Sustainable development is a complex global challenge. For a sustainable future, every aspect of how the world works will need to embed sustainability. It is therefore essential that the programme has a diverse network of members, which is also what makes SEEDS unique. By having a diverse range of members, the programme has created an environment that can foster innovative solutions that can be focused and tailored to specific use cases for public, private and third sector. SEEDS aims to develop solutions that go beyond the 'low hanging fruit' and provide answers to the most challenging sustainable development questions.

### **Edinburgh Napier Partnership**

A key partnership emerging from the SEEDS programme is the collaboration between CGI and Edinburgh Napier University. This partnership focuses on digital transformation and explores emerging technologies like the Internet of Things, collaboration tools, and Artificial Intelligence (AI). Together, CGI and Edinburgh Napier University have developed five sustainability-focused proof-of-concepts aimed at promoting environmental and social sustainability, leveraging technologies such as digital twins, virtual reality, and geospatial mapping.



## Mountain bike Route Assessment App

This app, developed by SEEDS and Edinburgh Napier University, utilises satellite technology to empower mountain bikers of all skill levels to make informed real-time decisions, optimising their experience and minimising risk. The App maps and tracks both the rider and the environment as they travel from A to B. The proof-of-concept considers weather conditions, air quality, internet connectivity, and the presence of other riders on the trail. By leveraging satellite technology and comprehensive data sets, the app identifies potential hazards, ensuring riders make informed route decisions based on a holistic view of trail conditions. The apps data-driven insights empower riders to make informed route choices, enhancing safety, boosting confidence, and accelerating skill development.

## Methane mapping

This digital twin proof-of-concept was driven by the need to highlight the impact of global methane emissions around the world, using satellites, emissions data, and visualisation technology. Methane is an invisible gas, so this project was developed to highlight the extent of methane emissions. This innovation demonstrates that global methane emissions are emitted in different locations and sources. Enabling key stakeholders and regulators to monitor emissions. Allowing them to make data driven decision reduction actions.



# Other SEEDS projects

## Planet Protectors

CGI recognises the importance of educating young people about climate change and environmental management. As climate change continues, education and knowledge on how to mitigate and adapt to the changes is essential. Based on this, the SEEDS programme partnered with CGI's People Practice - Tech Advisory team to create Planet Protectors. Planet Protectors is an interactive educational application built in Unity, designed for children between 8-13. It transforms carbon accounting, natural capital, waste management and responsible water use into a virtual world.

Planet Protectors' goal is to ensure that the next generation of problem solvers and innovators approach climate change with more knowledge. The games, immersive nature brings to life the link between action and impact, empowering children to see the positive difference that their day-to-day choices can make. Children will then become motivated to reduce their carbon footprint without inducing climate anxiety.



## United Nations Industrial Development Organisation and CGI Innovation Summit

CGI's UK sustainability team hosted a sustainable development Innovation Summit in September 2023, at CGI's London office. The Innovation Summit was in collaboration with the UN Industrial Development Organisation (UNIDO), governments, embassies, dignitaries, and members of the private and third sector.

The Innovation Summit considered cross-sector sustainability challenges and how technology can be utilised to achieve the Sustainable Development Goals (SDGs). The Summit had a particular focus on climate change, innovation, infrastructure, and capacity building.

A key takeaway from the event was the need for further technological advancements to achieve the Agenda 2030 goals. In response, UNIDO and CGI are working together to develop new solutions in preparation for future COP summits.



“At CGI we apply the latest innovations in technology to address a range of sustainability challenges and we are pleased to be working alongside UNIDO to help them provide concrete and practical solutions to pressing global challenges.”

**Tara McGeehan,**  
**President**  
CGI in the UK and Australia



# Sustainability: Helping our clients

## Driving sustainability through technology

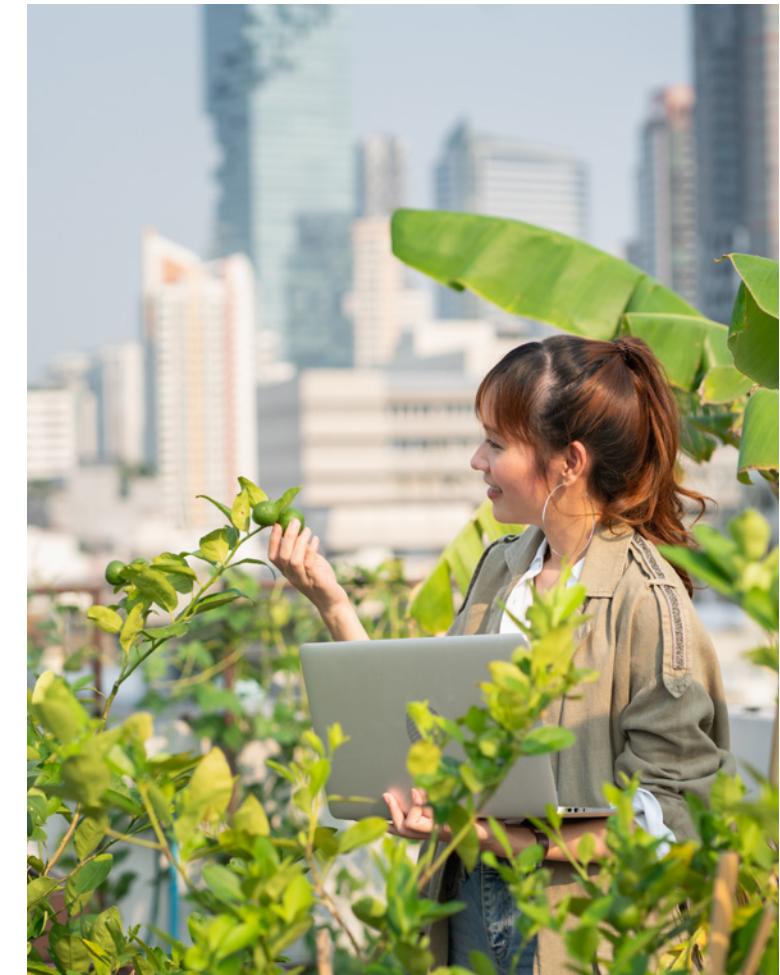
The drive for sustainability is becoming increasingly urgent, with organisations facing growing regulatory demands, evolving societal expectations, and increasing environmental responsibilities. At CGI, sustainability is embedded in everything we do. We leverage our cutting-edge technology and sustainability expertise to help businesses:

- Measure, manage, and report their environmental and social impact
- Meet regulatory requirements and social value targets
- Enhance transparency, accountability, and trust
- Strengthen talent pipelines for a sustainable future

As leader in sustainability, we work with our clients delivering a range of services and solutions that span five key pillars:

- **Nature-based services and solutions** – protecting and restoring natural ecosystems
- **Data-driven climate pathways** – enabling precise carbon accounting and emissions reduction
- **Social Value insights** – delivering data-led strategies for community impact
- **Advanced digital supply chain** – enhancing sustainability across global operations
- **Sustainability innovation and development** – driving new technologies for a greener future

Explore our expertise and discover how we can help your organisation achieve its sustainability goals [\[Link\]](#).



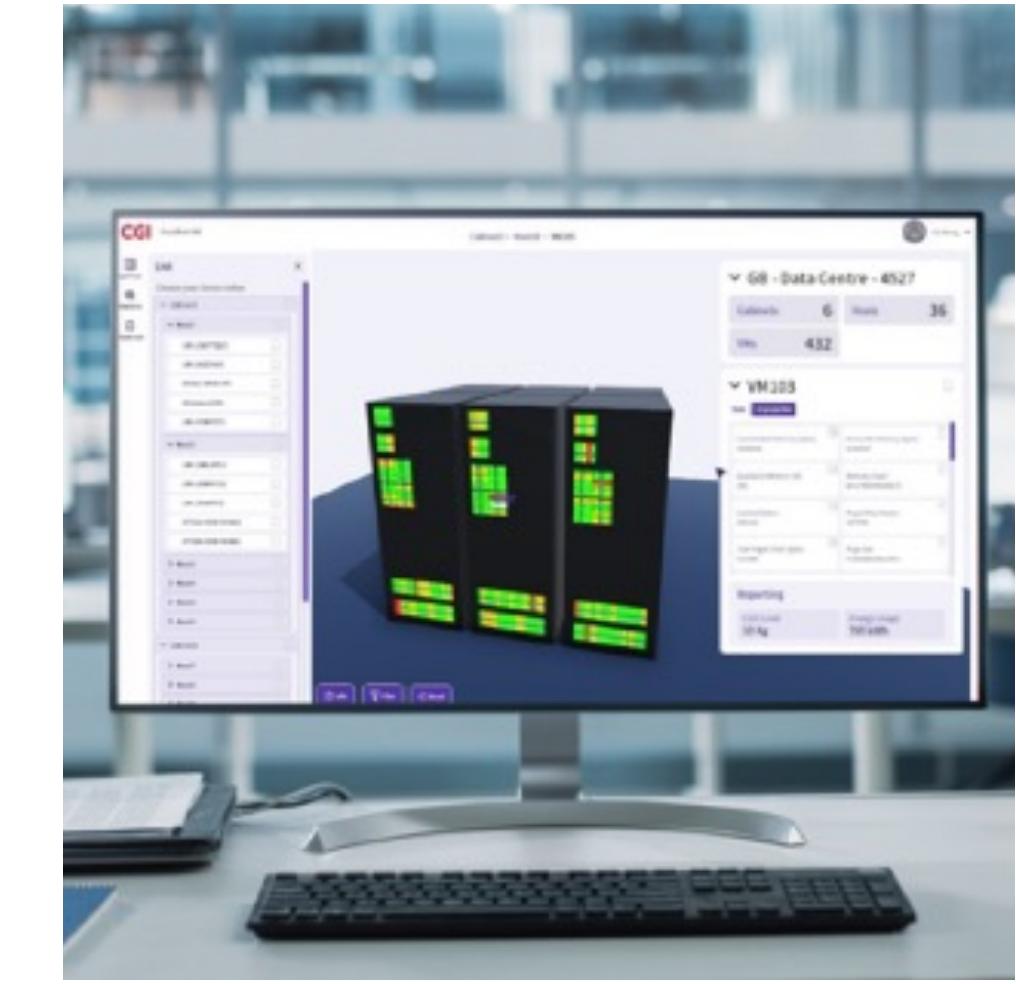
# CGI DataTwin360

During FY2023, our UK sustainability team launched CGI DataTwin360

CGI DataTwin360 is a solution that drives energy and emission reduction while preventing clients from losing money through inefficient hosting platforms and data centres. Data centres are energy intensive, with some sources citing that they use 1% of global electricity demand. To tackle this critical issue, CGI SEEDS programme developed CGI DataTwin360—a 3D, physics-based digital twin of data centres and hosting platforms. CGI DataTwin360 monitors, benchmarks, and optimise energy consumption, helping to reduce emissions, enhance efficiency, and lower operational costs.

DataTwin360 monitors, benchmarks and then optimises the energy consumption of the assets to reduce emissions, improve efficiency and operational costs. It simulates high-density deployments to evaluate their impact and identify any service-level risks, empowering asset managers to make informed decisions safeguarding cost and reducing environmental impact.

CGI DataTwin360 provides stakeholders with virtual and remote insights rather than relying on physical site visits alone. This real-time visibility provides the ability to effectively manage and monitor energy use and cost remotely. When inefficiencies have been identified, the tool provides mechanisms to closely monitor assets and provides steps to improve efficiency scores among other functionalities. CGI DataTwin360, provides actionable insights, guided by return-on-investment metrics, for data-driven decarbonisation strategies aligned with organisational targets.





## About CGI

### **Insights you can act on**

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-focused to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

[cgicom/uk](http://cgicom/uk)

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