



ESG & THE CIRCLE ECONOMY

EGO Technology Limited



2024-2025

T: 01283 890990
W: www.egotechnology.co.uk

TECHNOLOGY REGENERATION

EGO Technology is built on the idea that the purpose of an organisation extends far beyond just profit. From our earliest days, we knew that creating opportunities for good technology regeneration serves both the digital connectivity of emerging markets and helps protect the environment.


Responsible business drives positive change. Our mission is to create the conditions for technology and the environment to thrive hand in hand. With each passing year, we have deepened our commitment to this belief. As a result, we're a stronger company making a more sustainable impact. As we look to the next 6 years, it's clear that we've entered one of the most consequential decades in modern business history.

Reflecting on the strides made in 2023, we acknowledge the deepening of our commitment to our core beliefs. The past year has witnessed EGO Technology emerging as a more robust multi award-winning sustainability company, with reduced energy usage, the introduction of electric vehicles, zero landfill, and thousands of CO2 savings and rebates leaving a better impact on the environment and the economy. Yet, as we celebrate these achievements, we recognise that our journey has only just begun.

The climate is changing and so is the global momentum to strengthen the mission to reduce CO2 and protect our environment. Whilst there are stark environmental challenges, we are viewing them as opportunities for change and improvement.

Looking ahead to 2030, we find ourselves in one of the most transformative decades in modern business history. The global landscape is evolving, both environmentally and socially, and the momentum to address climate change and reduce CO2 emissions has never been stronger. Rather than viewing environmental challenges as insurmountable obstacles, we see them as opportunities for positive change and improvement. If we can collectively summon the courage, we can and will take ambitious green leaps forward.

Working together, we can always do more.



**End of use does not
mean end of life**

ENVIRONMENTAL AND SOCIAL GOVERNANCE

Supporting Nature

EGO Technology is all about delivering sustainable strategies for reuse and regeneration. As a result of this commitment, our services are driving towards zero landfill across our value chain and are now providing calculable carbon offsetting for device reuse. Mindful of all supply channels, we are also committed to reducing deforestation ensuring that our services and suppliers support the protection of natural resources.

Digital Equality

As digital technology transforms seemingly every aspect of our lives, there is a real opportunity to provide low-cost internet access to communities all around the world. EGO Technology works hard to break down the digital divide to ensure that recovered devices help support education, jobs, and healthcare around the world.

A Cleaner Future

Over the last 30 years the technology industry has witnessed the most extraordinary growth in the development of new technology. The environmental impact of IT is set for a reset with governments and industries worldwide keen on redressing the balance. Becoming aware of how everyday activities affect the environment means that we can make a positive change to lower our carbon footprint.

Simple Solutions

There are some simple solutions to reducing CO2 emissions which don't require a huge shift in process or mentality. This can reduce the corporate carbon footprint and embrace sustainable IT regeneration.



Together we can do more

A WORLD OF TECHNOLOGY

The EGO Advantage

Flexible device recovery solutions are designed to meet specific IT disposal needs. Security and the protection of environment is of paramount importance and form the foundations of our services.

We've set our sights at the "Gold Standard" in both our application of services and client relationships. We are a fabulous and talented group of people, who are always driving improvement whilst fully appreciating the strength and value of innovation to the environment.

Zero Landfill Supply Chain

Collaboration is key and we are proud to declare our commitment to a zero landfill supply chain, reflecting our dedication to environmental protection through sustainable practices and responsible sourcing.

One World Pledge

We keep a wider global view on the continuous reuse and recovery of devices to support the circle economy.

Our One World Pledge means we have sight and knowledge of our supply chain and provide our supply route with a roadmap to take back devices and return them for secure recycling. We are minimising the ecological footprint of surplus tech, ensuring that every step of our supply chain aligns with our commitment to a greener, more sustainable future.



Zero Landfill

EGO are committed to maintaining zero landfill across our supply chain.



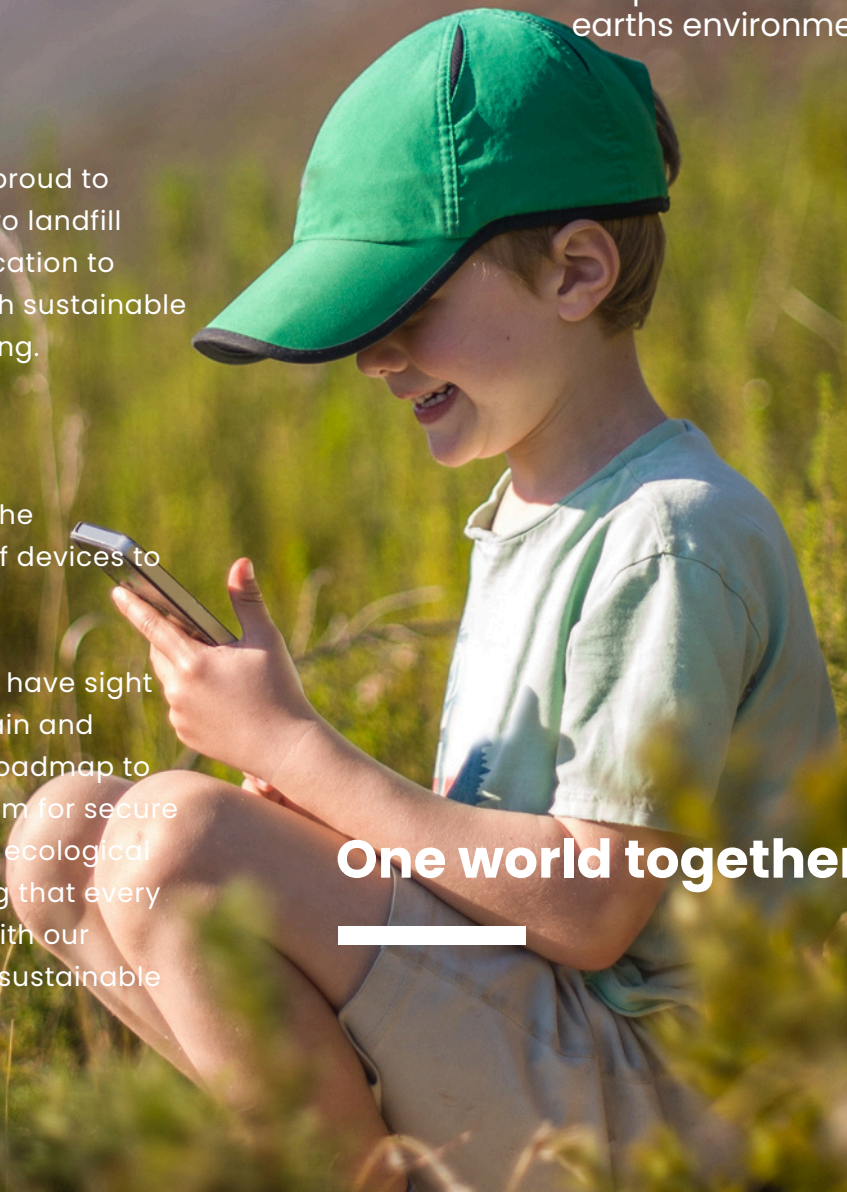
CO2 Carbon Saving

Reuse saves 75-80% of all manufacturing Carbon saving thousands of tons of CO2 a year.



IT Reuse and Recycling Rate

Reuse and recycling of devices is essential to the protection of the earths environment.



One world together

THE CARBON SAVING FROM REUSE

Smart Phones

The lifetime carbon footprint of an iPhone works out to be an average of 76.51 kg of CO₂ per device. Millions of phones are in circulation and estimated over 7 million iPhone units in the UK are from Apple alone which is 39.9% of the market.

Recent independent studies from academic McMaster University in Canada estimated that in 2021 there were between 17 to 125 megatons of CO₂ equivalent per year (Mt-CO₂e/yr) created from smartphones which is a 730% growth.

It is therefore safe to say that the overall environmental impact of iPhones is significant, and reuse is not just important, but essential.

The bulk of the carbon associated with smartphones is actually buried in the manufacturing chain. In fact, more CO₂ emissions are generated by the manufacture of smartphones than most consumers create after buying them.

To identify the carbon footprint of their products, many of the biggest smartphone manufacturers have been measuring the greenhouse gas emissions of their production facilities.

All smartphones contain hazardous materials like bromine, chlorine, lead and mercury. More than 1,000 components are made of metals like gold, tin, lithium and tantalum, which, although not poisonous, cause huge damage through land degradation and mining.

THE AVERAGE CO₂ CALCULATIONS SAVINGS FOR THE REUSE OF A MOBILE PHONE ARE A MASSIVE 80% OF THE MANUFACTURING CO₂ COST. CO₂ CAN BE REDUCED OR OFFSET THROUGH THE REUSE OF DEVICES.



Reuse saves 75% – 80% in manufacturing CO₂

SPOTLIGHT ON TECHNOLOGY

Laptops

The average estimated carbon footprint of a laptop is around 422.5 kgs, which includes the carbon emissions during the production, transportation and first 4 years of use.

It should be noted there can be large variations in CO2 emissions depending on the reports from manufacturer. Including the size of laptop and how often it is used.

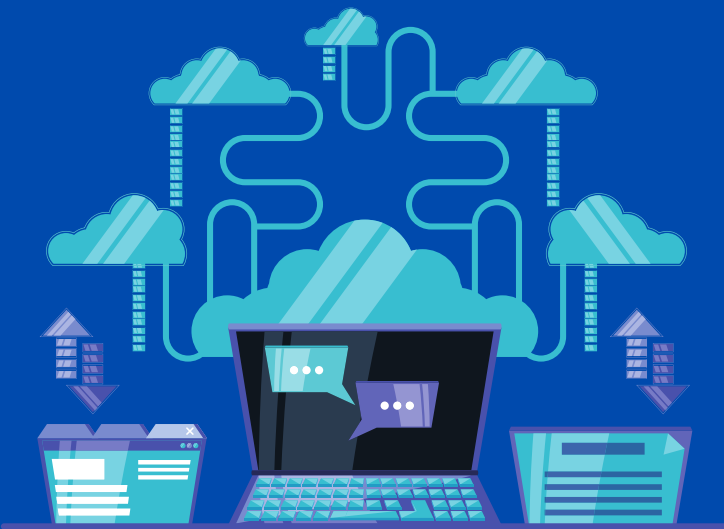
In all manufacturers' estimates, they suggest their CO2 could be +/- 15 to 20% due to the uncertainty of their calculations.

A MASSIVE 331KG OF CO2 CAN BE SAVED AGAINST THE PRODUCTION OF NEW DEVICE.

Through the research of 230 specific laptops, it was discovered that the average CO2 emissions during production of a new laptop is 331kgs.

This means that 3 new laptops produce roughly a tonne of CO2, filling around 19,000 cubic feet, which is similar to filling an entire 3 bed house with CO2 equivalent.

It is essential to plan technology's disposal, to maximise on the opportunities for reuse. In terms of carbon footprint, the reported CO2 emissions are negligible from refurbishing a laptop for reuse.



EGO REFINES MEASUREMENT FOR AUDITABLE, IMPACTFUL AND VERIFIABLE RESULTS.

OUR COMMITMENT TO HIGH INTEGRITY REPORTING DRIVES OUR CONTINUOUS IMPROVEMENT AND METHODOLOGY'S ACROSS THE ENTIRE VALUE CHAIN.

Reuse saves 75% – 80% in manufacturing CO2



CIRCLE ECONOMY

What is the circle economy?

The circle economy is a system that is resilient, restorative, and regenerative by design. An innovation framework and set of strategies that helps rethink and re-evaluate the value of our resources, materials, and products for continued reuse.

What does this mean?

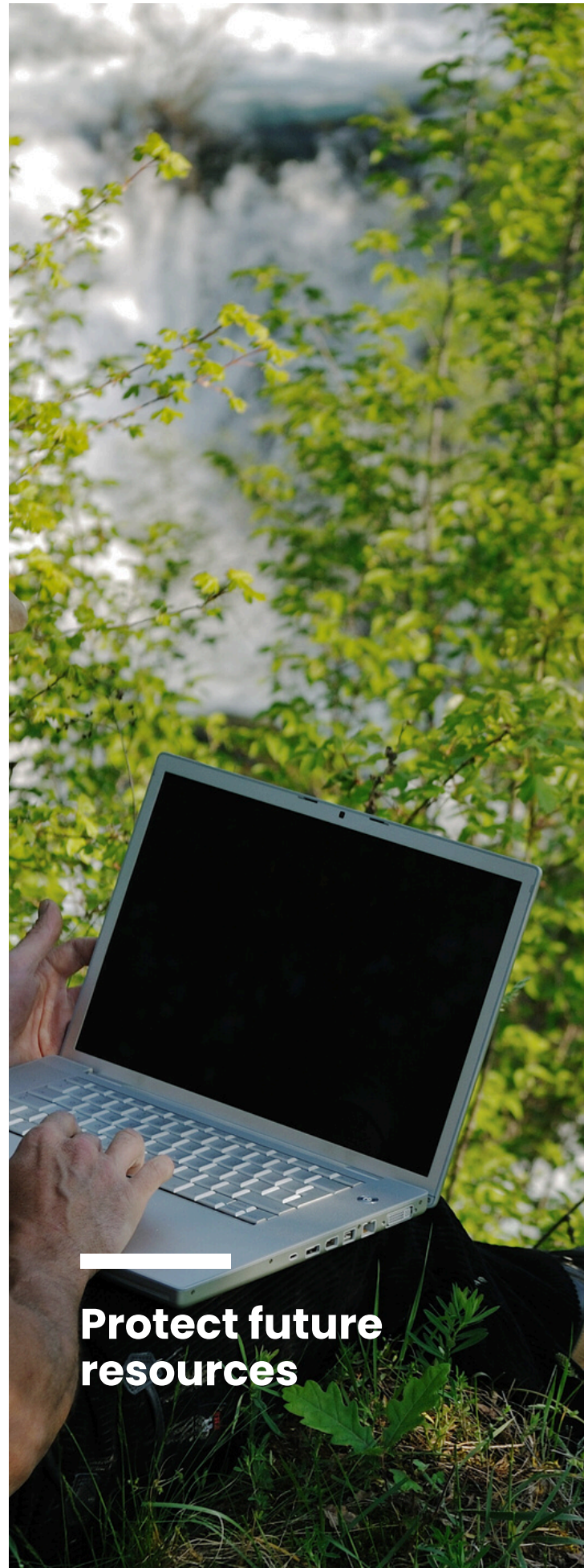
The circular economy demands a revolutionary shift in thinking and processes. It's about re-imagining resource use, product design, service models, and business structures. The core lies in maximising value and circulation for products, materials, and components throughout their lifespans.

Manufactures are starting to design IT products for disassembly and reuse, with materials engineered for multiple lifecycles. A robust repair, reuse and recycling infrastructure is crucial to keep materials circulating and protecting the environment.

Ultimately, the circular economy presents a win-win scenario, reducing environmental impact while fostering economic growth through resource efficiency and innovation.

Working together to do more

The environment demands good technology recycling. Global IT reuse and recovery extends a devices lifespans, whilst ensuring secure disposal that can bridge the digital divide. It provides essential low cost internet access and safe recycling worldwide.



**Protect future
resources**

CONTACT US

Our experienced team are available to assist you with questions and enquiries whether it is regarding certifications, logistics, rebates, the environment or anything else to do with secure IT disposal.

If you would like to contact us, please use the information listed below.



01283 890990



itdisposal@egotechnology.co.uk



egotechnology.co.uk



EGO Technology



EGO Technology



Get in touch