illumynt
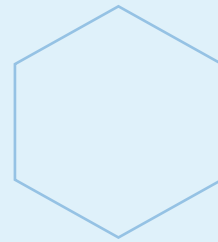
Sustainability is a core pillar of illumynt's mission. We are committed to helping drive the circular economy through the sustainable reuse of technology.

illumynt works to inject green intelligence into the technology lifecycle management process, helping to provide e-waste avoidance metrics and quantify CO_2 avoidance for Scope 3 emissions reporting. All contained within our SaaS-based tracking system, we provide a unified view of the entire technology ecosystem.

This, our first sustainability report, is a testament to our determination to reuse technology wherever possible and return raw materials back to the production stream, as well as to embed sustainability into our operations.

95%+
Reuse

R2v3
Global Certification

Scope 3
Quantifying Emissions

Our Story: Working to Extend the Life of Electronics

Over the last 30 years, technology has gone from the restricted domains of big business, government, and academia to become the ubiquitous nervous system of the globe. Technology has penetrated every sector, every geography and every demographic. As the global population continues to rise, so does the incessant demand for technology. Innovation propels new adoption, displacing older technologies and tackling new challenges. Artificial intelligence and sensor-based real-time data are creating a highly-connected world entirely dependent on technology. And as the demands increase, so does the imperative to conscientiously use and conserve the finite materials of which they are constructed.

In 2002, Paul Knight founded CNE Direct, Inc. (now illumynt) with a vision to help develop a robust marketplace for retired IT assets, providing a "second life" for technology hardware that was often disposed of in an environmentally harmful manner. Paul had an extensive history of working with some of the world's largest technology manufacturers helping to create channels for the distribution of excess and obsolete hardware components and sought to help them in new ways.

Over the last 20 years, the organization has become a highly skilled team of industry veterans and talented newcomers creating a sustainability-driven global organization working in partnership with our customers to extend the life of IT assets and reduce carbon emissions. To better represent our commitment to sustainability, we changed our name to illumynt to reflect our organization's evolving business model.

Paul Knight,
Founder and Chairman

As of the end of

2022

135 people employed

10 locations

Serving Americas, EMEA, APJ

Committing to a Sustainable Vision

illumynt delivers data-driven technology lifecycle solutions to maximize sustainability. Recognizing that sustainability is an on-going journey, we are working to make both our operations and the services we deliver ever-more-sustainable. We seek to partner with our customers and help them with their sustainability goals.

In August 2022 we established an internal Green Team to chart our journey forward. Our team members represent various corporate functions and geographies and together we are learning and making strides to embed sustainability across our organization. This report highlights some of these initiatives.

The Green Team began by learning about the United Nations' Sustainable Development goals (SDGs). To understand how we as an organization can best contribute to these goals, we set about doing our first materiality assessment. In this exercise we evaluated what we knew and what we learned about our organization's strengths and values, as well as what we perceived as important to our customers and partners' values and mapped these strengths and values to the SDGs.

First and foremost, we identified the need for us to contribute to climate action. We established two immediate goals.

1 We established our baseline utilities use in order to quantify our own Scope 1 and 2 emissions and set goals.

2 We went about creating the capability to quantify Scope 3 emissions that are avoided when electronic assets are reused.

The other SDGs we identified as material to us include:

• Responsible consumption and production

• Industry, innovation and infrastructure

• Gender equality

• Good health and well-being

For each of these goals we created a task force to establish a baseline and identify appropriate goals for the coming year and are actively setting KPIs for our 2023 reporting.

13 CLIMATE ACTION

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

5 GENDER EQUALITY

3 GOOD HEALTH AND WELL-BEING

illumynt specializes in identifying ways to extend the useful life of technology equipment, by using reuse, refurbish, and disposal hierarchy, which in turn, reduces contributions to the e-waste stream. Our Quality, Environment, Health, and Safety (QEHS) policy embodies illumynt's commitment to continual improvement, aligns with set sustainability goals and supports meeting our customers' requirements while acting responsibly and fairly, incorporating sound environmental practices, protecting workers health and safety, and operating in a sustainable manner.

To view our Quality, Environment, Health, and Safety (QEHS) policy, click here.

Our 2023 KPIs include:

- Switching facilities to renewable energy wherever available (Responsible consumption and climate action)

- 100% accident free in all facilities (Good health and well-being)

- 100% participation in quarterly corporate trainings (Gender equality, human rights, unconscious bias/non-discrimination, ethics/anticorruption, workplace harassment, data security)

- Extend adoption of Scope 3 avoided emissions reporting (Innovation and infrastructure)

Quantifying Our Greenhouse Gas (GHG) Emissions
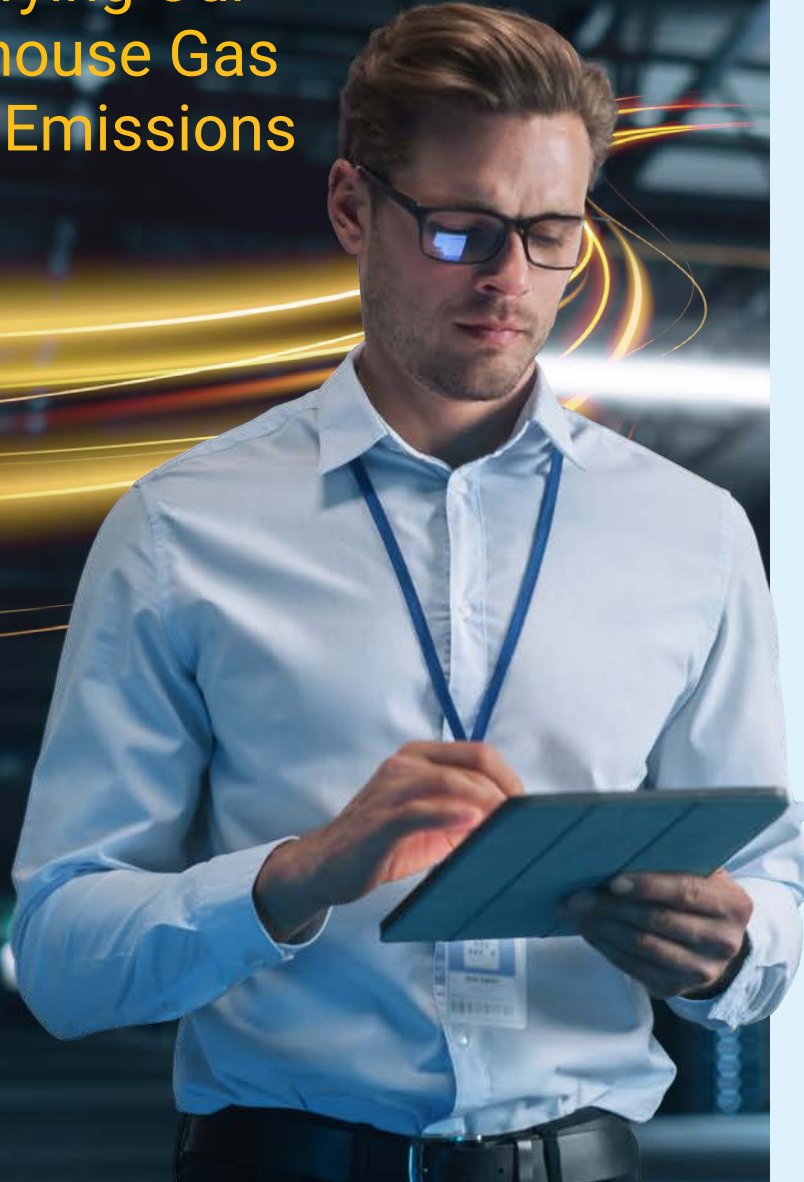
Our Greenhouse Gas Emissions (GHG) are caused by our business operations at our locations across the world and are directly and indirectly the result of our consumption of natural gas and electricity.

| Type	Description
Scope 1 - Direct GHG emissions (MT CO2e)	Direct emission source as a result from the combustion of fuels on-site (natural gas).
Scope 2 - Indirect GHG emissions (MT CO2e)	Indirect emission source from electricity consumption.

Site	Scope Applicability
Peabody, MA	1 and 2
Memphis, TN	1 and 2
Hong Kong	2
Netherlands	N/A

Note: Scope 1 is not applicable to the Hong Kong facility as there is no natural gas usage.

Data is not available for the Netherlands facility for 2022. Data is being collected for our 2023 report.

Scope 1 & 2 Greenhouse Gas Emissions

MT CO2e

Scope 1
119 MT

Scope 2
117.55 MT

2022
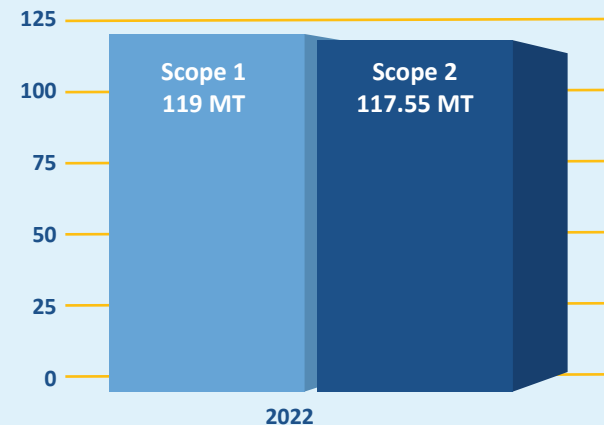
Scope 1 source for CO2 conversion – *EPA – Direct Emissions from Stationary Combustion Sources.*

Scope 2 source for CO2 conversion - *EPA eGRID summary tables; vendor information.*

Ground-breaking Work to Quantify Avoided Scope 3 Emissions

In the context of environmental sustainability with regard to electronics, two major themes emerge:

1 The imperative to reduce Greenhouse Gas (GHG) Emissions, and,

2 The drive to make electronics themselves more sustainable and shift from a linear economic model toward a circular economy.

Both trends point to the need to reuse electronics and their constituent parts. illumynt processes tens of millions of assets annually and finds new life for 95% of them.

For most electronics, the energy used in their initial production accounts for the lion's share of the energy consumed in the product's entire lifecycle.

In the case of a laptop, for example, the initial energy used may account for up to 80% of the total energy footprint depending upon the configuration and manufacturer. In a world eager to reduce the amount of energy consumed and their associated greenhouse gas emissions, using something that has already been manufactured translates into a savings of that initial expenditure of energy.

Expanding the useful life of electronics gives the best return on both the initial energy consumed and the materials used. To accomplish this, instead of simply recycling used assets, the focus needs to be on finding ways to extend the time an asset can be used.

illumynt follows strict protocols to extend the life of electronics. If a device needs to be repaired or updated, we refurbish it. If it can't be used as a whole, we harvest its usable components so that they can find a new life and find a user for the asset itself.
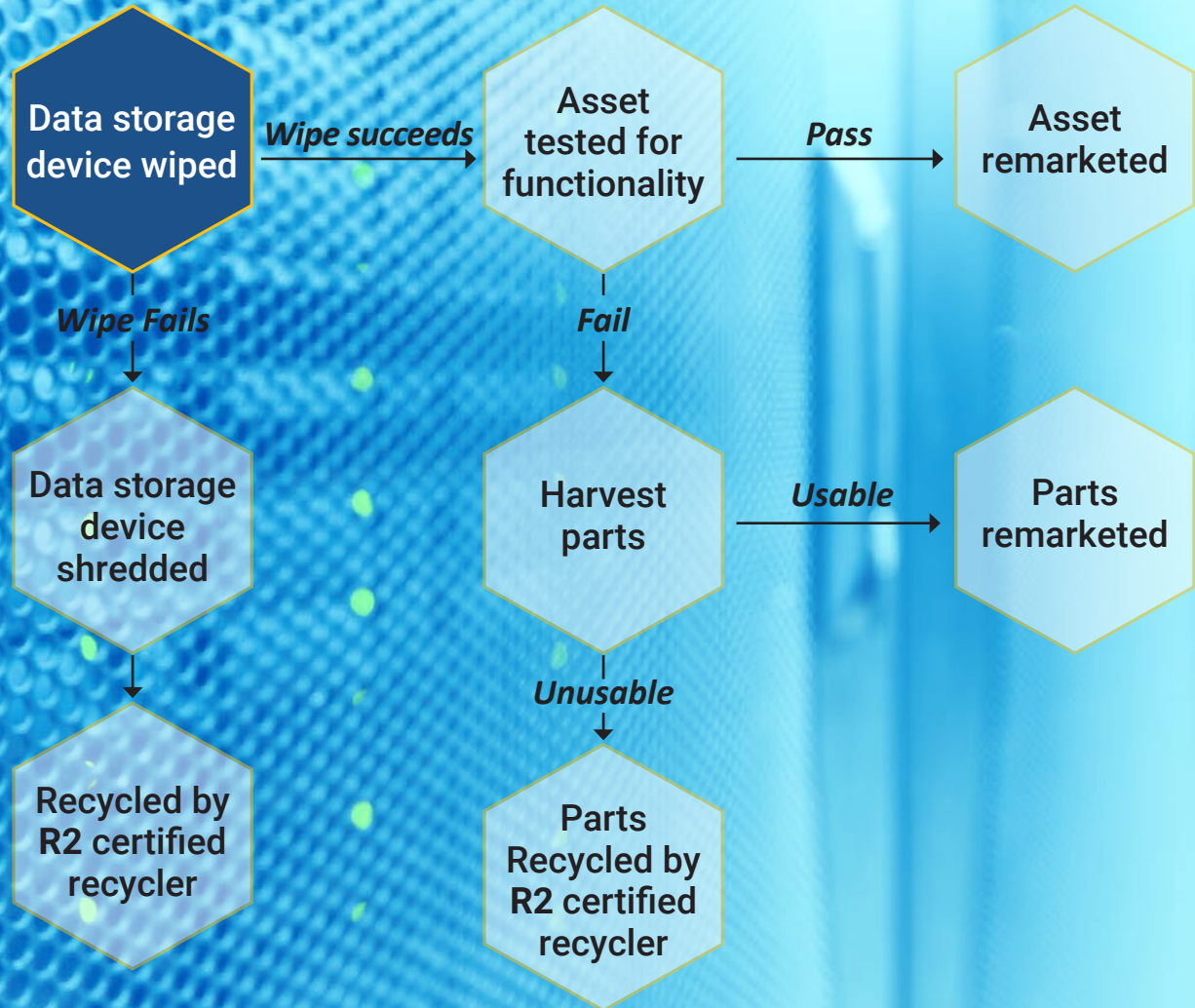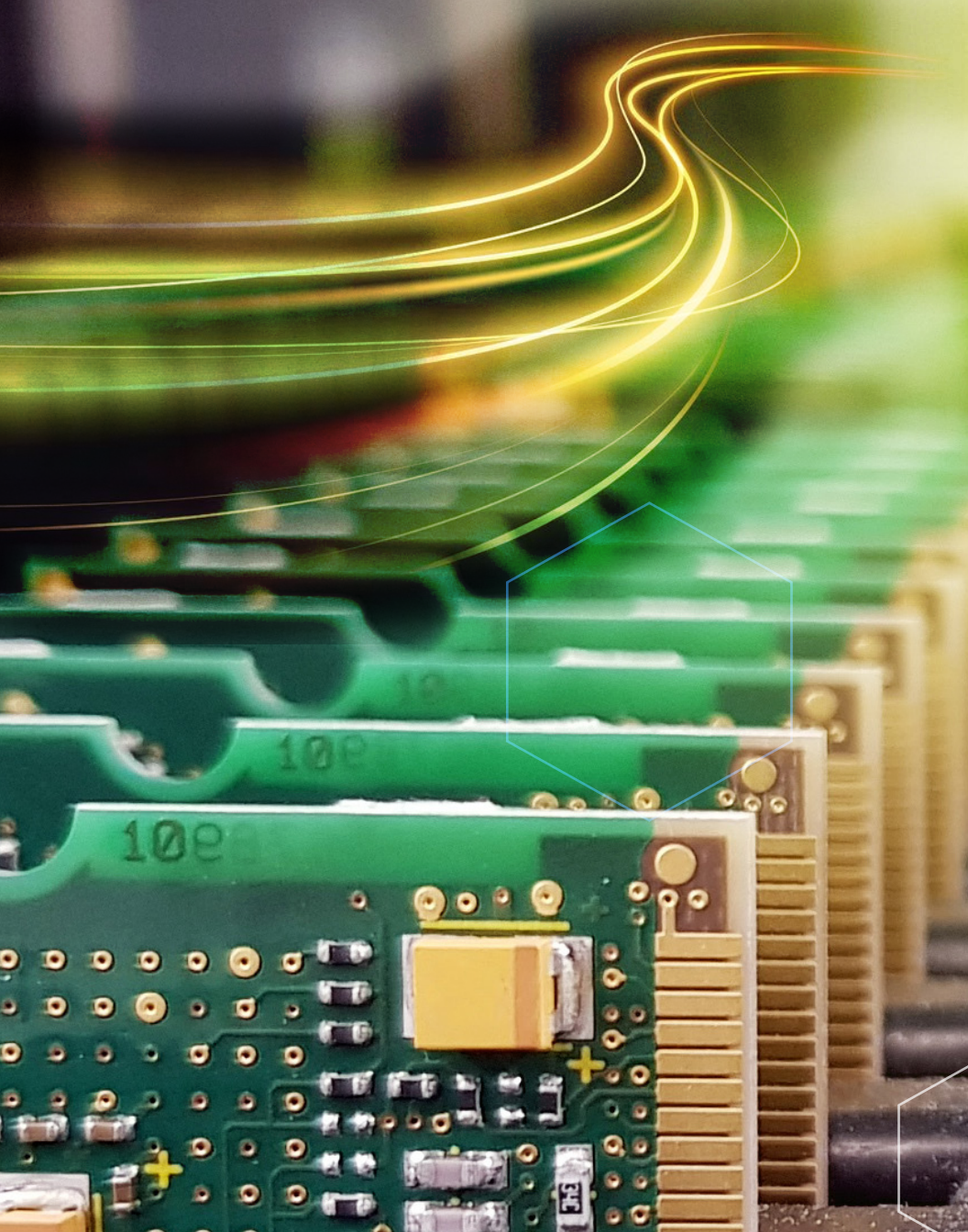
illumynt Process Flow

For Each Shipment

Security requirements verified at client site

▼

Secure transportation

▼

Assets received capturing make, model and serial number

For each asset with a data storage device included

Data storage device wiped → *Wipe succeeds* → **Asset tested for functionality** → *Pass* → **Asset remarketed**

Wipe Fails ↓

Data storage device shredded

↓

Recycled by R2 certified recycler

Fail ↓

Harvest parts → *Usable* → **Parts remarketed**

Unusable ↓

Parts Recycled by R2 certified recycler

Calculating Green House Gas (GHG) Emissions

When calculating GHG emissions, repurposing and finding a second life for a used asset removes the need to manufacture a new asset.

By reducing the need to manufacture new assets, we thus avoid the impacts, including those from energy usage and materials usage. The result is lower GHG emissions in our own, and our clients value chains.

Scope 3 emissions are **outsourced emissions created on behalf of a company.**

Because we know our customers are eager to cut value chain "Scope 3" emissions wherever possible, we have gone to great lengths to calculate just what those savings are and to report to them how those savings translate into avoided emissions.

Through the customer portal, our customers can see both their financial and sustainability outcomes as well as detailed data about the disposition of their assets.

illumynt partners with Echonos – a premier SaaS-based digital platform used to manage all the phases of the technology lifecycle.

echonos

Echonos digitizes the value chain and optimizes outcomes. Using business intelligence, the Echonos platform leverages a broad dataset of product and market data to help our customers optimize their returns and maximize sustainability outcomes, including a better understanding of the greenhouse gas benefits and impacts of the services we provide.

Quantified Out-of-Waste Stream 2022

Our goal is to find a new life for as many of the assets we process as possible. Of the units we processed in 2022, we found a new life and purpose for more than **95%**.

> " We are a data-driven company committed to helping our customers make a difference. Our core business inherently furthers sustainability and as a company we are committed to improving economic, social, human rights and environmental outcomes. "
>
> *- Omur Bagci, CEO illumynt*

Management Systems, Standards and Certifications

illumynt recognizes that it has a responsibility for the environment and for employee health and safety beyond basic legal and regulatory requirements.

We use a quality management system to help improve our overall performance and provide a sound basis for our sustainable development initiatives. Our **ISO 9001:2015** certification is proof of this commitment to our customers, vendors, employees, and stakeholders.

We have a well-established occupational health and safety management system in place. The **ISO 45001:2018** certification demonstrates our commitment to ensuring safe work conditions as well as sound health and wellbeing practices. Both our US (Peabody, MA and Memphis, TN) sites reported zero recordable OSHA accidents/incidents in 2022. The Netherlands and Hong Kong sites also did not register any work-related accidents/incidents in 2022.
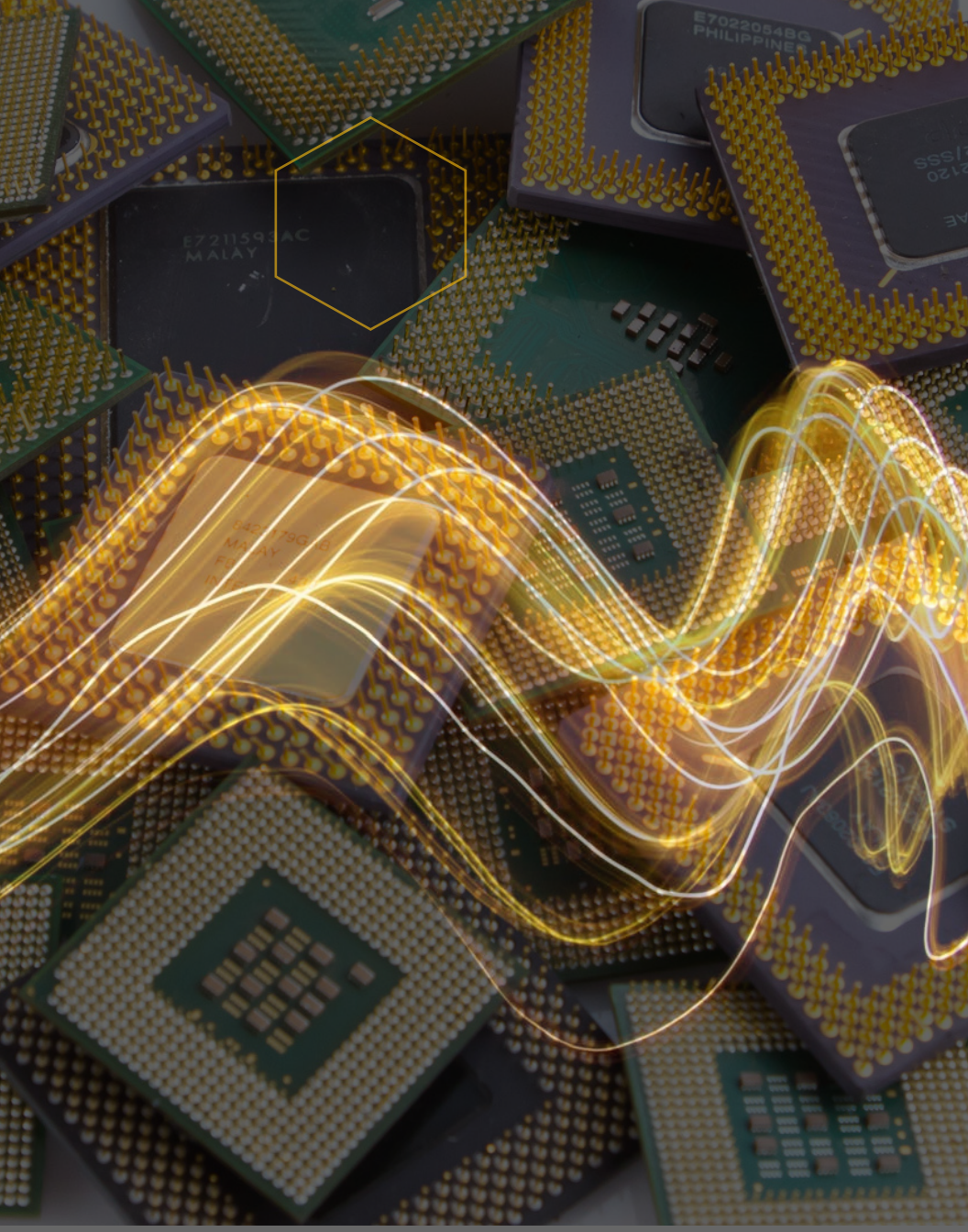
In line with our mission and as an integral part of our business strategy and operations, we are committed to reducing our environmental impact and to continually improving our environmental performance. Our **ISO 14001:2015** certification demonstrates our dedication to protecting the environment and delivering quality throughout every level of the organization.

For illumynt, recycling is a last resort. Less than 5% of the items we process cannot be reused and therefore must be recycled. No asset is ever simply "thrown away." Over the past 15 years, a huge amount of work has been done to codify the best practices for recycling electronics. We are certified to the (Responsible Recycling) **R2v3** standard, which includes stringent downstream vendor management, verified physical and logical data sanitization and protocols for the testing, repairing, and brokering of used IT equipment and components. The **R2v3** standard protects workers handling electronics at end of life and ensures environmental safeguards are in place.

Our business is also predicated on the safe and secure transportation, storage, and handling of our customers' assets. We are certified to the Transported Asset Protection Association's Facility Security Requirements, **TAPA FSR Level A**.

Global Locations and Certifications

For 2022, we operated in Peabody, MA, Memphis, TN, serving the United States, the Netherlands, serving Europe, and Hong Kong, serving Asia.

Using sustainability as a primary consideration in our operations, we considered all the transportation associated with the assets we process – both where the assets come from on their way to us and where their likely final destination will be. In the Netherlands, our operations are in the industrial park at the Amsterdam airport. At the end of 2022, we moved our Peabody, MA operations to Columbus, OH, both for its central location and for its proximity to prominent shipping lanes.

View our locations and the certifications they hold.

What's Next

As we close the books on our sustainability work for 2022, our Green Team is actively working to identify and implement policies and initiatives to further our goals of embedding sustainability values throughout our organization. Beyond our stated KPIs, we are looking for ways to further the Sustainable Development Goals we've identified.

Our work to quantify Scope 3 emissions is continuously updated. We invite hardware manufacturers to confidentially contribute product lifecycle assessments to help refine and extend our reporting capabilities.

We are committed to creating sustainable operations and to bringing robust sustainable services to our partners around the globe. As we continue our journey, we welcome the opportunity to partner with sustainability teams within our partner organizations.

About Us

illumynt is a privately held, global technology lifecycle solutions provider, focused on the secure and sustainable reuse of technology equipment. We bring a unique approach to technology lifecycle management, infusing machine learning and data analytics to provide predictive outcomes in value recovery.

illumynt

1 Marina Park Drive

Suite 1410

Boston, MA 02210

978-741-8686

info@illumynt.com

illumynt.com