

# 2022 DATA CENTERS SUSTAINABILITY REPORT



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# A LETTER FROM OUR EVP & GM, MARK KIDD



**MARK KIDD**  
Executive Vice President & General  
Manager, Iron Mountain Data Centers  
& Asset Lifecycle Management

With the release of the IPCC's [Synthesis report](#), it's clear that sustainability is more important than ever. The report found that "there is a rapidly closing window of opportunity to secure a liveable and sustainable future for all." We need bold global climate commitments to make the transition to clean energy and net zero emissions.

Iron Mountain Data Centers is committed to being part of the solution. We are unwavering in our path towards a sustainable digital future and believe that demonstrating leadership can catalyze others to also take action.

## SUSTAINABILITY IN ACTION

We continue to explore new, comprehensive sustainable business solutions. This year, we announced the BREEAM design certification of our Phoenix, AZ (AZP-2) data center – the first data center in North America to receive this top-tier certification for building to a standard considered the highest for sustainable construction. Iron Mountain Data Centers is taking the lead in demonstrating the steps facility owners can take to ensure their data centers are both efficient and resilient by committing that all new construction of multi-tenant data centers will be BREEAM certified by 2025.

2022 was a year of challenges for many organizations. Rising energy costs, especially in Europe, affected the data center industry directly as we are large electricity users. Fortunately, Iron Mountain Data Centers was able to mitigate the extreme energy prices through effective green energy procurement strategies, at times delivering power to clients at less than half the market price. Today, we continue our focus on securing future energy to deliver cost certainty to our customers while also seeking the most impactful decarbonization solutions through our ambition to match each hour of every day with locally produced carbon free energy (CFE). As a pioneer in the 24/7 CFE movement we are collaborating with utilities, project developers and wholesale market participants to create solutions that will make truly decarbonized power supply more accessible for all energy buyers.



We track our energy usage and carbon emissions hour-by-hour using advanced energy and carbon accounting platforms to identify hours unmatched by local carbon free energy and develop solutions for them. These decarbonization platforms provide digital and data-driven attestation to our corporate claims for the progress we're making on hourly CFE matching. This type of traceability is a powerful tool not only for Iron Mountain Data Centers but for our customers seeking to achieve their own sustainability goals and needing to know the true carbon intensity of the power they consume within our facility. Knowing that our decarbonization efforts directly materialize into our customers' published results, we are proud to be the first colocation company to have its results verified to the ISO 14064-1 standard for greenhouse gas emissions reporting.

## A YEAR OF GROWTH

In 2022, Iron Mountain acquired [ITRenew](#), a global leader in mission-critical data center lifecycle management solutions. ITRenew is the platform for our Global IT Asset Lifecycle Management business. This strategic approach to IT asset management helps our customers protect their data, ensure optimized use and minimize their environmental impact.

We expanded our data center footprint with the [acquisition of XData Properties](#), one of the largest data center campuses in Madrid. The property has enough power secured to develop 79 MW in the coming years. In addition to the existing 3 MW data center currently on site, the first 20 MW data center is planned with a 2024 completion date.

## LOOKING AHEAD

We're excited for the future and the opportunities to continue developing impactful solutions that support a sustainable digital future, from community engagement actions such as the beach cleanup that our Iron Mountain Singapore team did this year, to investing in and working toward more clean energy solutions. Our focus will always be on helping our customers achieve their own goals, and we will find ways to broaden our positive impact as we have done recently with our Asset Lifecycle business acquisition. Together with our customers we can make a difference.



*Mark Kidd*

**MARK KIDD**

Executive Vice President & General Manager, Iron Mountain Data Centers  
& Asset Lifecycle Management



# OUR PURPOSE

**AS A PROUD PART OF IRON MOUNTAIN, A GLOBAL BUSINESS DEDICATED TO STORING, PROTECTING AND MANAGING INFORMATION AND ASSETS, WE CONNECT AND ACTIVATE HIGH-VALUE CUSTOMER DATA. OUR GLOBAL COLOCATION PLATFORM ENABLES CUSTOMERS TO BUILD TAILORED, SUSTAINABLE, CARRIER AND CLOUD-NEUTRAL DATA SOLUTIONS**

Our mission at Iron Mountain Data Centers is to be the most reliable and trusted partner for our customers, committed to safeguarding and maximizing the value of their assets through innovative practices. Since our establishment in 1951, we have earned the trust of over 225,000 customers worldwide. Our global colocation platform empowers organizations to develop personalized and sustainable data solutions with secure and compliant data centers. Our facilities provide seamless access to leading carriers, cloud services, and IT providers, enabling customers to thrive in their hybrid IT journey.

Iron Mountain Data Centers stands at the forefront of the data center industry, setting benchmarks in regulatory compliance, environmental sustainability, physical security, and business continuity. We are steadfast in our commitment to sustainability and have set an ambitious goal of meeting each hour of our energy use every day with local carbon free energy by 2040, and were founding signatories to the UN 24/7 Carbon Free Energy Compact.





# WHO WE ARE

For more than 70 years, Iron Mountain Incorporated (NYSE: IRM) has been your strategic partner to care for your valuable assets, information management services, and trusted by more than 225,000 organizations across the world, including 95% of the Fortune 1000, we protect, unlock and extend the value of your information and assets - Whatever they are, wherever they are, however they're stored.

We provide the framework necessary to bridge the gap between physical and digital and extract value along the lifecycle of your information, enabling organizational resilience. And all this with a commitment to sustainability at our core.

## OUR VALUES

### ACT WITH INTEGRITY

We operate with integrity by living our values and being transparent in our actions.

### OWN SAFETY AND SECURITY

We prioritize safety and security by protecting ourselves, our colleagues, and our customers' assets as if they were our own.

### BUILD CUSTOMER VALUE

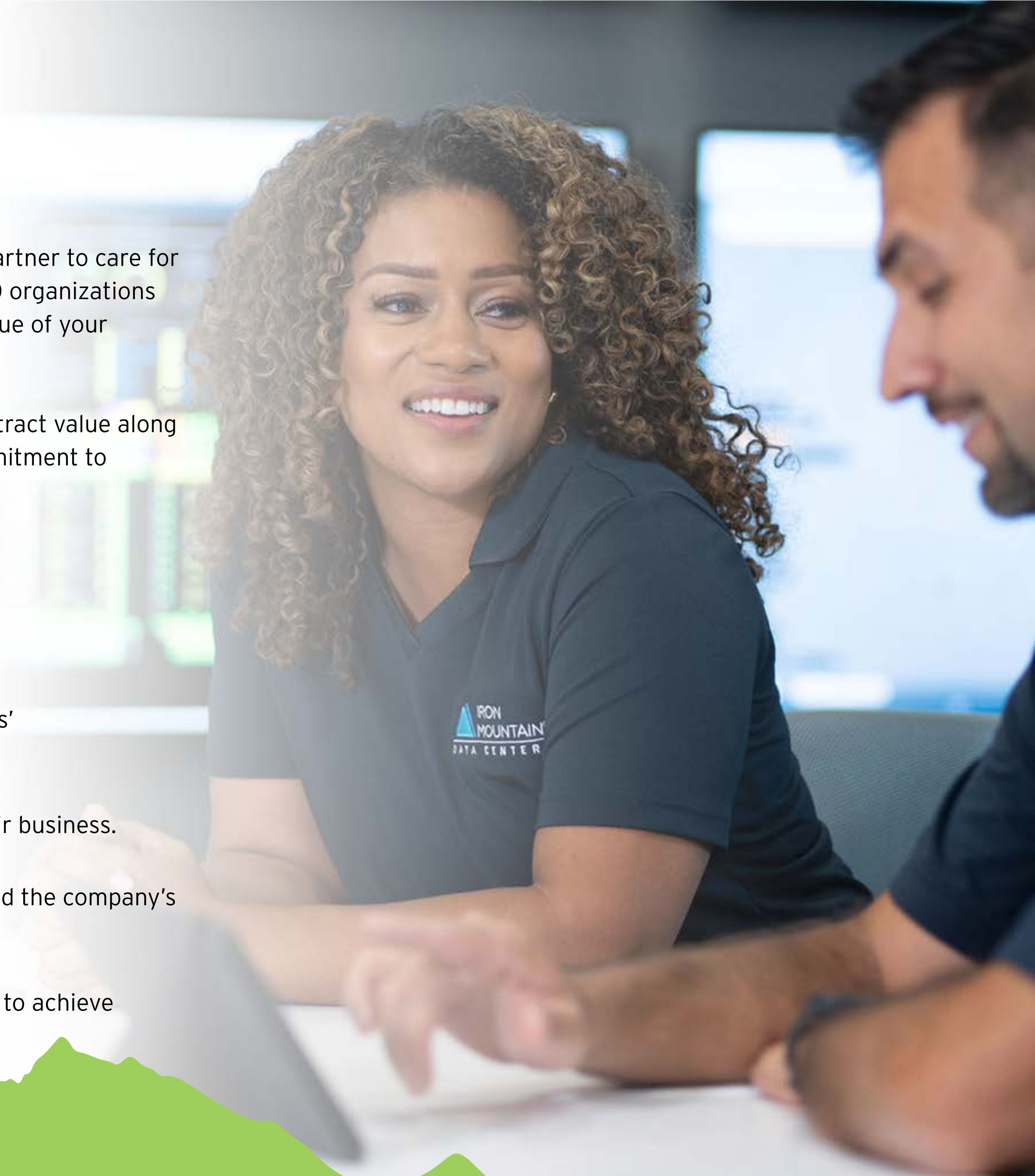
We continuously strive to enhance customer value by seeking opportunities to improve their business.

### TAKE OWNERSHIP

Each individual takes ownership of their responsibilities and is accountable for their team's and the company's success.

### PROMOTE INCLUSION AND TEAMWORK

We encourage inclusion and teamwork, valuing each other's diverse perspectives and ideas to achieve optimal results.





# ASSOCIATIONS & RECOGNITION

- › Key Collaborator RE100 Leadership Award
- › EPA Green Power Leadership Award - ESG leader of the year
- › Prince William Chamber Business Awards - Tech Company of the Year
- › Ranked #44 on Newsweek's 2022 list of America's Most Responsible Companies
- › Received 100% on the Human Rights Campaign 2022 Corporate Equality Index
- › EPA Top 30 green power partner ranking



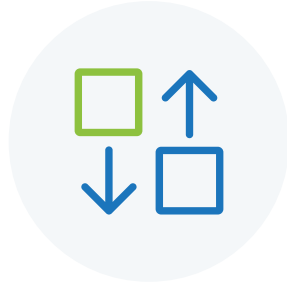
BSR<sup>®</sup>



RE 100

Future of  
Internet Power 

# KEY FACT & FIGURES



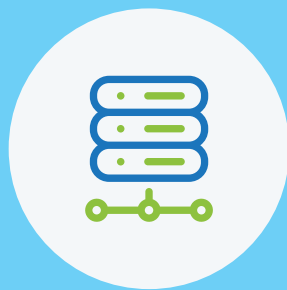
**4M+**

SQ FT of Operational Data Centers



**3/7**

Continents/Countries



**20+**

Operational data centers



**1300+**

Customers



**\$430M**

Revenue 2022



**99.9999%**

Uptime



**100%**

Renewable powered since 2017



**24/7 Carbon-Free Energy**

Founding signatory to UN Compact on Energy in 2021





# OUR GLOBAL DATA CENTER PORTFOLIO

IRON MOUNTAIN DATA CENTERS OPERATES A GLOBAL PORTFOLIO OF HIGHLY SECURE, HIGHLY CONNECTED DATA CENTER FACILITIES. WE HAVE INVESTED MORE THAN \$3 BILLION IN DATA CENTERS SINCE 2017 AND NOW HAVE 20+ DATA CENTERS IN 7 COUNTRIES SPANNING 3 CONTINENTS.

1951

### Iron Mountain founded

Today the world's leading provider of information storage solutions, with more than 225,000 customers and real estate spanning 85 million square feet and 1500 facilities.

2013

### Iron Mountain Data Centers Founded

70% of enterprise data centers still in-house - Bill Meaney became CEO IRM and appointed Mark Kidd to run a new data centers division.

2017  
—  
2023

### Global Data Center Platform

20+ new facilities added. Revenues up from \$36M in 2017 to \$430M in 2022 with huge growth in hyperscale, cloud and enterprise customer base.

PLAY VIDEO





# SECURING A SUSTAINABLE FUTURE

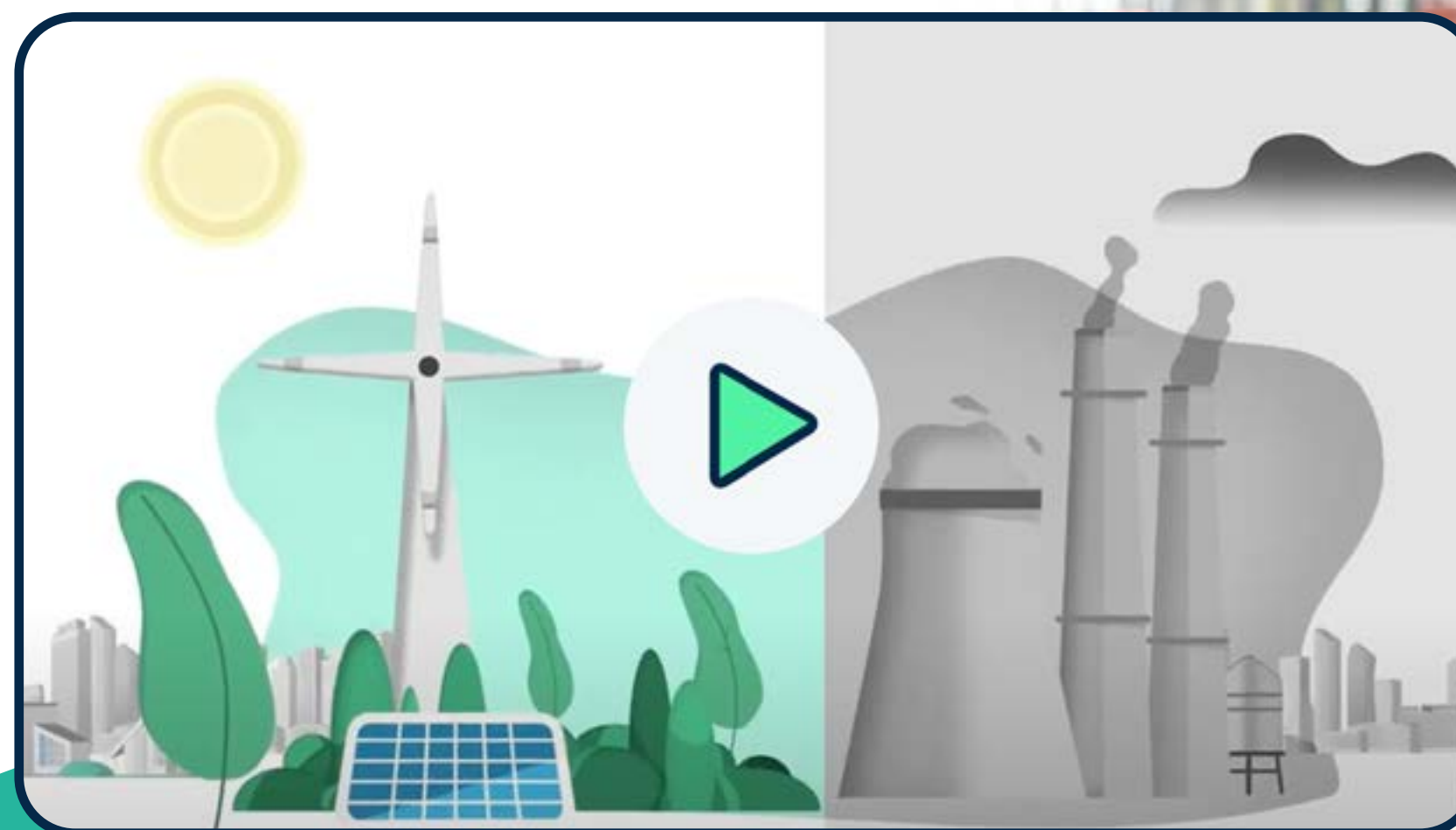
At Iron Mountain Data Centers, we aim to be a force for good by modeling how organizations can lead the way in solving some of our world's biggest environmental challenges. We prioritize what truly matters, conducting our business with integrity and in a manner that generates value for all stakeholders.

We embrace our responsibility to contribute to the fight for a net zero future for our planet. To tackle the most significant environmental, social, and governance (ESG) concerns facing our organization, we employ rigorous and sustainable business practices, resulting in significant positive outcomes across social, environmental, and financial spheres.

We seek opportunities to improve environmental performance within our operations and enable our customers to manage information while meeting their environmental goals. As a large energy buyer, we recognize our opportunity to play an important role in helping to decarbonize the grid. Since 2017, our data center consumption has been matched

100% with renewable energy generation. To further those efforts, we partner with a group of highly innovative companies that will help us to go beyond our 100% renewable status to reach a 24/7 carbon-free emissions status across our complete data center portfolio.

## THE SUSTAINABILITY PARTNERS OF IRON MOUNTAIN DATA CENTERS



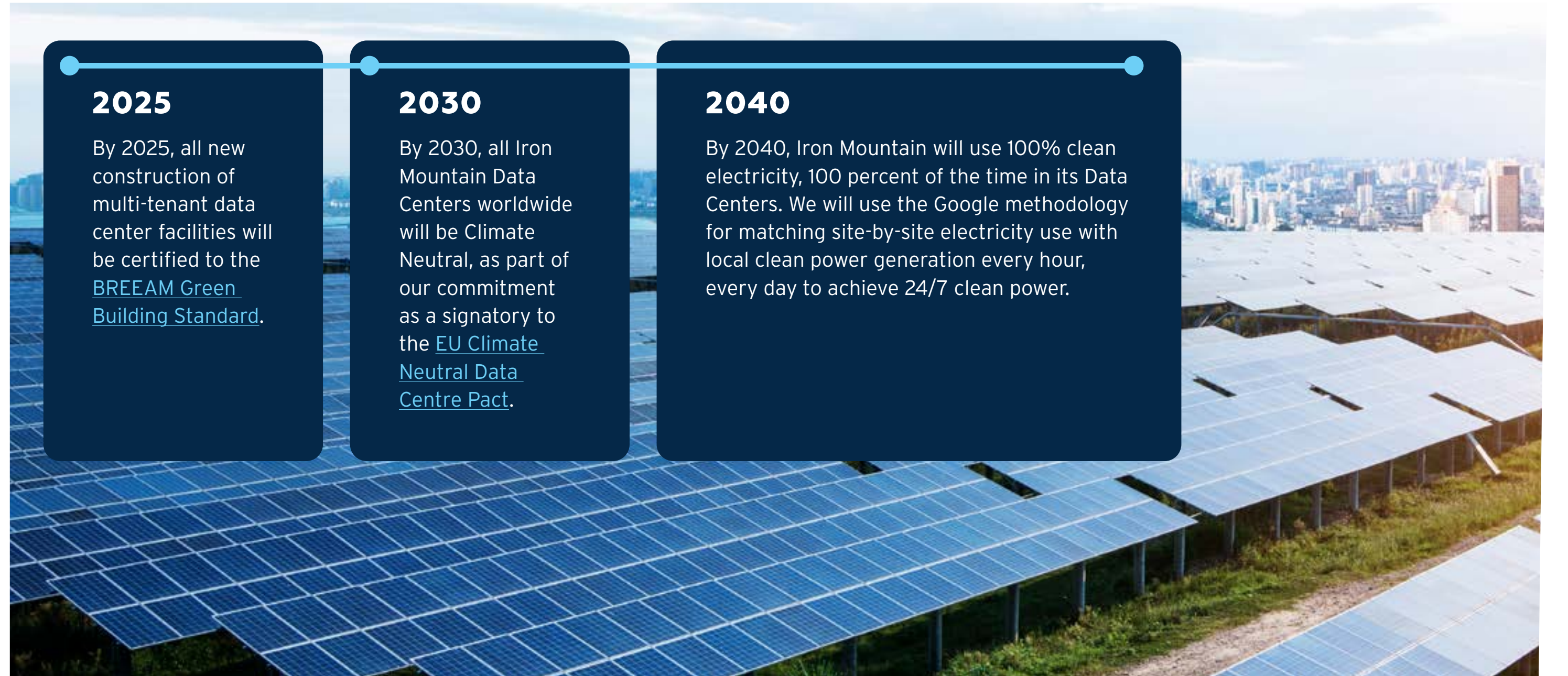


# OUR GOALS

At Iron Mountain Data Centers, we maintain transparency in our reporting and set ambitious public goals to ensure accountability for the impact of our operations. Our objectives foster inclusivity, sustainable business growth, and collaboration, and contribute positively to the communities where we operate.

We focus on the most significant and influential objectives guiding our efforts to drive positive change. To achieve our goals, we draw on feedback from our stakeholder engagement process, subject matter experts, and executive leadership. Our commitment to sustainability is evident in our aim to fully decarbonize our electricity supply. We plan to achieve this by powering our facilities with 24/7 clean electricity every hour of every day and eliminating energy waste across our operations.

## OUR GOALS INCLUDE:





# SUSTAINABILITY IN ACTION

In a highly competitive sector, Iron Mountain Data Centers is a sustainability leader.



## 24/7 TRACKING

We are the first data center colocation provider to go beyond the annual measuring of our electricity usage and have set aggressive goals to fully match our electricity load with green power every hour of every day.



## GPP CREDIT SHARING

Green Power Pass is our award-winning solution that gives our customers carbon credits for the renewable energy they use in our facilities, making it possible to achieve their ESG goals.



## ON-SITE SOLAR GENERATION

Where possible our data centers have solar rooftop generation, such as our New Jersey facility, which generates 7mw of power.



## BUILD IMPACT

We build via the highest sustainable standards and all our new build data centers are being green building certified by BREAAAM



## ASSET LIFECYCLE MANAGEMENT (ALM)

ALM is a sustainability service that helps our customers with data center decommissioning and IT asset disposal, making sure that all hardware gets either repurposed or remarketed.



# COMPLIANCE

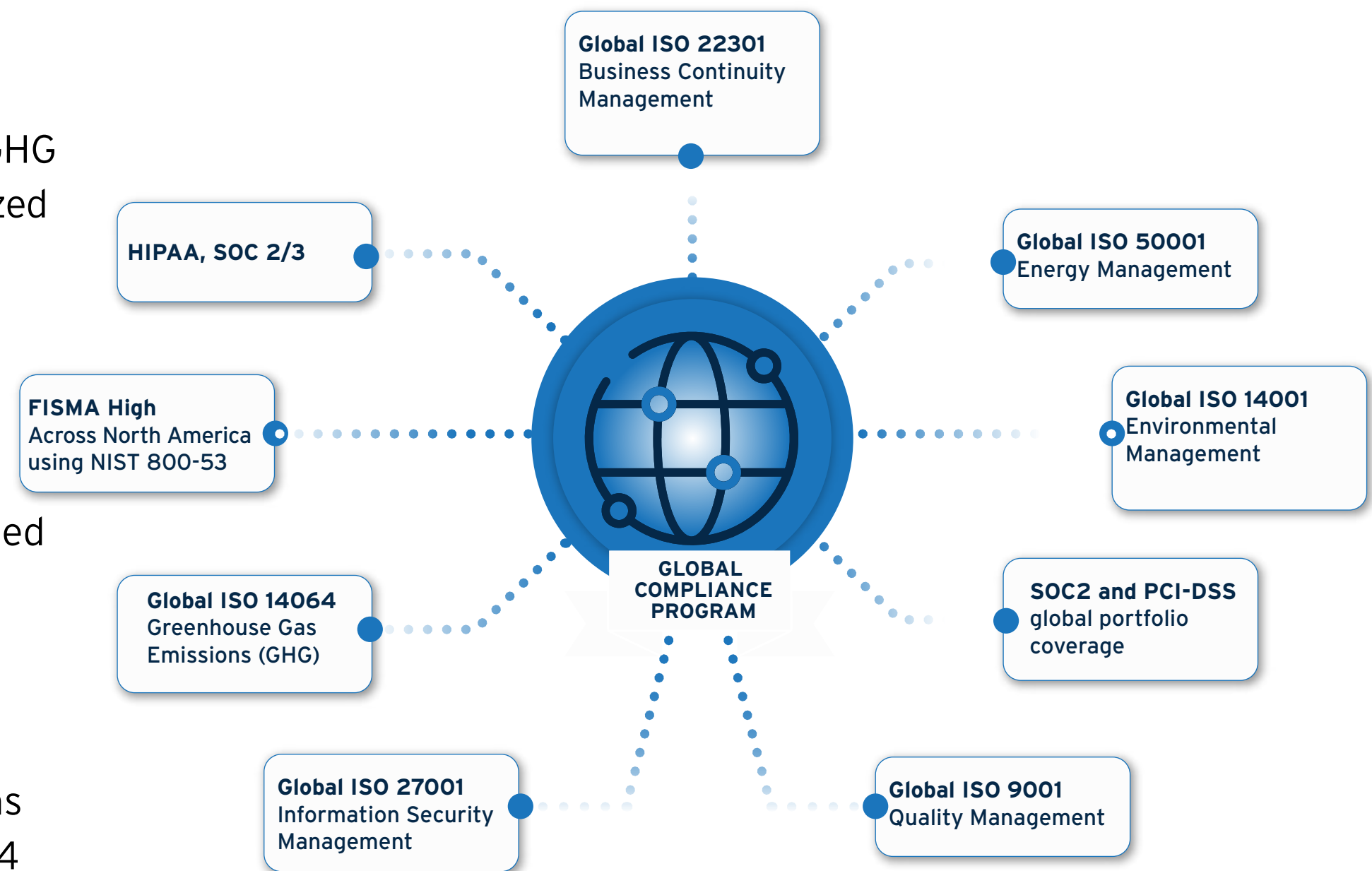
**IRON MOUNTAIN HAS THE MOST COMPREHENSIVE COMPLIANCE PROGRAM IN THE COLOCATION INDUSTRY. SINCE 2016, WE HAVE OUTPACED OTHER PROVIDERS IN REGULATORY COMPLIANCE AND RISK MANAGEMENT. OUR EXTENSIVE RANGE OF CERTIFICATIONS AND REPORTS PROVIDES OUR CUSTOMERS AND THIRD PARTIES WITH THE ASSURANCE THAT ALL IMDC OPERATIONAL CONTROLS ARE WORKING EFFICIENTLY AND IN COMPLIANCE WITH APPLICABLE REGULATORY STANDARDS.**

Businesses today from all sectors are recognizing the need to know their GHG emissions, set impactful goals to reduce and report their performance publically. This includes emissions from their supply chains, including third-party data centers where the company's critical IT equipment is operated. Customers must recognize their energy footprint inside third-party (colo) facilities as part of their own footprint. The data center's performance on decarbonizing electricity supply to the site, therefore, must be documented with accuracy using credible methodologies because these figures are materializing in customers' publicly stated results.

The ISO 14064-1 standard establishes clear definitions, actions and controls for reporting GHG emissions, and is the only internationally recognized carbon accounting standard that provides a mechanism for third-party verification. This is particularly important when clean energy solutions such as power purchase agreements for wind or solar, or the purchase of offset certificates is used to derive unique Market-Based results for an organization.

### ISO 14064 AN INDUSTRY FIRST

Iron Mountain Data Centers is the only global colocation company that has had GHG emissions results verified by a third party to the ISO 14064 standard. This verification affords our customers to confidently include our stated performance as part of their reported results. Without verification, customers are taking on face value the figures and accounting methodologies reported by their colo provider are correct and aligned with accepted standards for reporting.



## IRON MOUNTAIN DATA CENTERS CERTIFICATIONS

# PUBLISHED GOALS

**OUR GLOBAL CERTIFICATIONS MAKE IT POSSIBLE TO ACHIEVE OUR GLOBAL GOALS OF RUNNING THE MOST EFFICIENT AND ENVIRONMENTALLY FRIENDLY DATA CENTERS.**

Iron Mountain Data Centers:

- > The only colocation organization in the world to offer ISO 14001 and ISO 50001 certifications at all data center facilities. We were the first to certify ISO 14001 and ISO 50001 simultaneously.
- > The only colocation organization in the world to offer ISO 9001 certification at all global data center facilities.
- > The only colocation organization in the world to offer ISO 22301 certification at all global data center facilities
- > The first and only colocation organization in the world to complete an ISO 14064 GHG Emissions Verification
- > As facilities are added into the portfolio, IMDC Risk & Compliance works to integrate and add facilities to the audit scope in order to achieve certification

Iron Mountain Compliance		
Impact Area	Published Goal	Certifications/Reports
Community Engagement	Build formal Community Engagement Programs	CSR Report
Circular / Zero Waste	Establish certified diversion rate by 2023	UL 2799 ISO 14001 US Dept of Energy - Waste Challenge
Carbon Neutral	Climate Neutral Data Centers by 2030	ISO 50001 ISO 14064 ISO 14001
Green Buildings	All new colocation achieve BREEAM certification	BREEAM EnergyStar SS564 (SGP)
Responsible Water and Power Use	WUE and PUE per Climate Neutral Data Center Pact	ISO 50001 ISO 14064 ISO 14001 US Dept of Energy - Better Buildings Green Lease Leaders Recognition
Renewable Energy	100% annual now, 24/7 Carbon Free by 2040	

Summary of site certifications	
All IMDC Locations:	ISO 27001, PCI-DSS, SOC 2 (Information Security); ISO 22301 Business Continuity Management; ISO 14001, ISO 50001 (Environmental and Energy Management); ISO 9001 Quality Management
North America:	NIST 800-53 Rev.5, FISMA HIGH, HIPAA/HITECH (Information Security)



# COMMITMENT TO NET ZERO

**OUR COMMITMENT TO ACHIEVING A NET-ZERO FUTURE FOR OUR PLANET IS UNWAVERING. WE ACTIVELY LOOK FOR WAYS TO IMPROVE OUR ENVIRONMENTAL PERFORMANCE AND ARE COMMITTED TO MEETING OUR CUSTOMERS' NEEDS WHILE HELPING THEM ACHIEVE THEIR ENVIRONMENTAL GOALS. WE COLLABORATE WITH OUR SUPPLIERS TO UNCOVER AVENUES THAT ALLOW US TO WORK TOGETHER IN SAFEGUARDING THE ENVIRONMENT.**

As a top 30 purchaser of green power in the US, Iron Mountain has built strong renewable energy capabilities and continues to emphasize the importance of carbon-free energy on our path to net zero emissions.

## **SUSTAINABILITY IN ACTION**

- › Since 2017, Iron Mountain Data Centers has matched 100% of its electricity with renewable generation.

- › In 2021, we joined the Climate Pledge, committing to achieve net zero emissions by 2040, 10 years ahead of the Paris Climate Accord.
- › As a signatory to the EU Climate Neutral Data Centre Pact, we committed that all Iron Mountain Data Centers worldwide will be climate neutral by 2030.
- › We are the only colocation provider committed to matching each hour of data center electricity consumption with locally produced clean energy, fully decarbonizing our electricity consumption every hour of every day, everywhere. In support of these ambitions, we are founding signatories of the United Nations 24/7 Carbon Free Energy Compact, launched in 2021, and announced partnerships to analyze our hourly energy use and percentage matched by clean energy to determine progress toward complete decarbonization.
- › We are a proactive member of the Clean Energy Buyers Association (CEBA), and work closely with the Future of Internet Power (FoIP), a group of the biggest cloud and internet users.





# KEY IMDC 2022 SUSTAINABILITY ACCOMPLISHMENTS



## **ITRENEW**

[Iron Mountain acquired ITRenew](#), a global leader in mission-critical data center lifecycle management solutions. ITRenew is the platform for our Global IT Asset Lifecycle Management business. Our services include secure IT asset disposition and e-waste recycling and value recovery services. ITRenew allows us to maximize the lifetime value of data center technology through innovative circular economic models and help our customers achieve financial and sustainability benefits.



## **BREEAM AZP-2**

Iron Mountain constructed its [first BREEAM Design-Certified data center](#) in Phoenix, Arizona. Our AZP-2 data center is the first data center in North America to receive this top-tier certification for building to a standard considered the highest for sustainable construction. With support from BREEAM and Longevity, Iron Mountain Data Centers continues to demonstrate leadership for managing ESG goals and commitments within the complex industrial asset class. We have committed that all new construction of multi-tenant data centers will be BREEAM certified by 2025.



## **XDATA ACQUISITION IN MADRID**

With the acquisition of XData Properties, one of the largest data center parks in Madrid, we have expanded our footprint in EMEA. The property has enough power secured to expand to 79 MW in the future. In addition to the existing 3 MW on site, the first 20 MW is planned for 2024 [completion data](#).





# IMDC CORPORATE SUSTAINABILITY RESULTS

## WHERE WE ARE ON THE ROADMAP

**PUE (Power Usage Effectiveness)** is a measure of data center energy efficiency. It measures how much of the site's electricity is going to the IT equipment versus how much electricity is going toward cooling. The goal is to minimize energy for cooling and maximize energy for IT equipment. The Climate Neutral Data Center Pact has a defined goal of 1.3 as a target to support a sustainable digital future. We construct all new facilities to achieve the target PUE of 1.3 set by the Climate Neutral Data Center Pact. Our global average number is currently 1.55 and continues to improve.

**WUE (Water Usage Effectiveness)** is a measure of the amount of water used for cooling in proportion to the IT equipment being served. The goal is to get this number as close to zero as possible. The Climate Neutral Data Center Pact has a goal of .4 liters per KW hour of IT load. We are demonstrating progress on this year over year. All our recently constructed new facilities are operating below the Climate Neutral Data Center Pact goal number. In the last year alone, we have gone from 1.81 to 1.41 WUE.

**CUE (Carbon Usage Effectiveness)** tracks progress toward achieving a net zero carbon outcome. This is a measure of our total reported greenhouse gas emissions divided by our IT load. The goal is to get this number to zero. Our number is 0.012. This is due to our commitment to using 100% renewable energy. The only material remissions that we have are from the testing of our backup power generators.

### HOW WE ARE DRIVING IMPROVEMENT

The Climate Neutral Data Center Pact lists several goals and Iron Mountain Data Centers is committed to achieving them. Our performance across these metrics shows our progress toward these commitments.

We are driving improvement through a combination of investing capital in more efficient equipment and through our ISO 50001 energy management program, which helps us identify opportunities to make continuous improvements over time. Our recently completed ISO 14064 certification will help ensure we're tracking and reporting GHG emissions accurately and provide our customers the confidence they require to include our performance in their results.

## The Results

	Year 2022	Year 2021
TOTAL FACILITY LOAD MWh	855,235.146	725,670.461
GREEN COVERAGE MWh	855,234.821	
IT LOAD MWh	549,009.602	427,985.611
PUE	1.56	1.70
TOTAL CO2 METRIC TONES CO2e	6,864	
TOTAL CO2 KG CO2e	6,863,948	9,970,000
CUE	0.013	0.023
RENEWABLE	100%	
WATER CONSUMED LITRES	740,662,004	775,484,543
WUE	1.35	1.81

All metrics have been measured and reported in accordance with the ISO 30134 series and ISO 14064-1.

# PARTICIPATE IN A SUSTAINABLE FUTURE

AS 2022 SLIPS FURTHER AWAY IN OUR REARVIEW MIRROR, WE RECOGNIZE THAT THE YEAR WAS FILLED WITH IMPORTANT MILESTONES THAT SERVE TO DEMONSTRATE THE PROGRESS WE'RE MAKING. ACHIEVING A SUSTAINABLE DIGITAL FUTURE WILL BE INCREASINGLY CRITICAL AS POPULATIONS GROW AND MORE REGIONS OF THE WORLD ARE CONNECTED THROUGH DATA CENTERS. THE PATH TO MEETING FUTURE DEMANDS WITHOUT SACRIFICING OUR PLANET IS THROUGH SETTING AMBITIOUS GOALS, MEASURING PERFORMANCE AND SHARING OUR PERFORMANCE ALONG THE WAY.

Our customers are integral to the success we will achieve in transforming the industry, and as they set their own ambitious targets, we recognize that our performance materializes in their published results. Data centers are critical supply chain partners in achieving a company's environmental targets. We welcome discussion on how we can help customers achieve their environmental goals, and ask new prospects to consider these questions when considering a data center provider:

- > Do you publicly report your carbon footprint, water and energy usage?
- > Do you match your consumption with 100% carbon free energy?
- > Can we claim credit for the clean energy you're purchasing?

We can answer yes to all three questions. When you choose Iron Mountain Data Centers as your data center provider, you become part of the solution to addressing our planet's environmental and social responsibility challenges.

For more information, see <https://www.ironmountain.com/data-centers/sustainability>





# GET IN TOUCH

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## ABOUT

Iron Mountain Data Centers operates a global colocation platform that enables customers to build tailored, sustainable, carrier and cloud-neutral data solutions. As a proud part of Iron Mountain Inc., a world leader in the secure management of data and assets trusted by 95% of the Fortune 1000, we are uniquely positioned to protect, connect and activate high-value customer data. We lead the data center industry in highly regulated compliance, environmental sustainability, physical security and business continuity. We collaborate with our 2,000+ customers in order to build and support their long-term digital transformations within our 3.5M SF global footprint spanning 3 continents. For more information, visit [www.ironmountain.com/data-centers](http://www.ironmountain.com/data-centers)

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