



customers people planet

# Sustainability Report 2021

# Table of Contents

1.	Message from the CEO and COO	4
2.	2021 in numbers and key achievements	8
3.	Organizational overview, solutions and external environment	16
4.	Our Material Matters	28
5.	Our Strategy	32
6.	Our Value Creation	36
7.	Risks and Opportunities	38
8.	Key Governance	40
9.	Outlook	41

# 1. Message from the CEO

Dear Stakeholders,

I am pleased to introduce the EdgeConneX Sustainability Report for calendar year 2021. This is our second annual report, offering us a new opportunity to document progress on our sustainability strategy, goals, and commitments.

Throughout 2021, businesses began to regain their footing in the wake of COVID-19 while acknowledging and adapting to the ongoing impacts of the pandemic and its new variants. Around the globe, people emerged from quarantines, shops opened their doors, travel resumed, and businesses adjusted to a future that relies heavily on cloud services, ubiquitous content, and real-time communications.

EdgeConneX plays a key role in enabling and delivering all of these critical services and for us 2021 was a year of global growth, offering us opportunities and challenges as we entered new markets, expanded our service offerings, grew our staff, and won new customers.

Throughout this period of expansion, a key thread running through our 2021 activities has been a keen focus on sustainability. We have continued to innovate, measure, and track our progress in areas like emissions, water usage, power efficiency and, notably, we are seeing progress decoupling our rapid growth from an increase in CO2 emissions. We have also increased our focus on areas including our company's Diversity, Inclusion, Equity, and Behavioral initiatives, as well as safety and strategic planning for optimizing sustainable data center design and construction years into the future.

Key milestones for EdgeConneX in 2021 include:

- Opening our Asia-Pacific headquarters office in Singapore
- Establishing a new Joint Venture, AdaniConneX, in conjunction with Adani Enterprises, to establish a national platform of data centers built to be powered with renewable energy across India
- Adding a strategic investment in Chayora, a fast-growing data center provider in China already recognized for its sustainable data center designs
- Acquiring data centers offering proximity to markets in Tel Aviv, Israel and Brussels, Belgium
- Developing and opening a new data center in Barcelona, Spain
- Expanding data halls, power, and construction in existing markets to meet customer demand
- Reducing our carbon intensity by 5% year-over-year, with operational carbon intensity down by 7.5% even as we grew our MW capacity by 26% over the same period<sup>1</sup>
- Introduced electric vehicle services and charging stations targeting fleet deployments
- Launching WomenConneX, a grassroots, employee-driven initiative to offer professional community services to women pursuing careers in STEM

## Our Core Values

We take care of our **Customers**, our **People** and our **Planet** by implementing a holistic ESG sustainability policy

We operate a company with a rich culture focused on diversity, integrity, respect and accountability

## Our Mission

To deliver and operate best-in-class **sustainable data center solutions globally**

To be our customers' preferred and most sustainable partner

To invest in new technologies, systems, people and partnerships necessary to achieve our vision

## Our Vision

To be the world's most trusted, most customer-centric data center infrastructure provider.

EdgeConneX now has more than 50 data centers in over 40 markets across 14 nations on four continents, with additional markets and facilities in planning and development stages. But our commitment remains that this growth will incorporate sustainable technologies, policies, best practices, and innovations, for our own business and throughout our global supply chain.

This report documents our 2021 sustainability accomplishments, areas where we still need to improve, and new areas that we have started tracking. It also reaffirms our commitment to transparency and our goal of fully auditable sustainability reporting in future reports.

Some things at EdgeConneX haven't changed. We are still proud of the role our data centers play in response to the seismic changes we see around the globe. We deliver a complete spectrum of data center solutions, from hyperlocal to hyperscale, offering the capacity, proximity, power, and connectivity that make it possible to respond, adapt, and realign more rapidly than ever before. And that includes measuring impacts across our supply chain and verifying specific data points such as Greenhouse Gas (GHG) emissions, water, and waste, with a renewed emphasis on safety across all of our operations and ongoing efforts to ensure that our entire ecosystem of suppliers and partners is contributing to our vision.

For me and the rest of the EdgeConneX executive team, these corporate principles drive our focus, our priorities, and our decision-making. We take a robust approach to our responsibilities to build and operate our data centers, aligning closely with our owners at EQT, identifying concrete targets and documented goals, including our vision of operating a carbon, water, and waste neutral global data center platform powered by 100% renewable energy by 2030. And we are pleased to apply these principles in the preparation of this annual update.. In this report we illustrate our values with concrete examples, and we track our progress year-over-year from our 2019/2020 report. Our goal of operating a carbon-, water-, and waste-neutral data center platform worldwide by the end of this decade remains a primary driver for all of our sustainability initiatives and reporting.

**Our target is to operate a carbon-, water-, and waste-neutral global data center platform powered by 100% renewable energy by 2030.**

This report is a product of the diligence and focus across our organization, from the Boardroom to the operators of our data centers. It reflects our achievements and some areas where we still have work to do. But above all, I want this report to be an important step toward documenting the commitment – from me and from everyone at EdgeConneX – to ensuring that our continued business success continues to be responsible and sustainable.

Sincerely

**Randall Brouckman**



*"I want this report to be an important step toward documenting the commitment – from me and from everyone at EdgeConneX – to ensuring that our continued business success continues to be responsible and sustainable."*

**Randall Brouckman**

<sup>1</sup>Our operational carbon intensity looks at the total scope 1 and 2 emissions and the scope 3 emissions that are associated with the operation of EdgeConneX data centers divided by our operational capacity. Scope 3 leased downstream assets are not included in these calculations as these are specifically based on customer decisions, how they utilize their racks and the electricity contract type they choose.



# Disclaimer

This Sustainability Report, and the information contained herein, are considered confidential and proprietary to EdgeConneX, Inc. ("EdgeConneX"), and this Sustainability Report is the property of EdgeConneX.

Certain information set forth in this Sustainability Report contains "forward-looking information", including any "future-oriented financial information" and "financial outlook", under applicable securities laws (collectively referred to herein as forward-looking statements). Except for statements of historical fact, the information contained herein constitutes forward-looking statements and includes, but is not limited to, the (i) sustainability topics, stakeholders and goals identified by EdgeConneX; (ii) the expected development of EdgeConneX's business, projects, and joint ventures; (iii) the expected development and execution of EdgeConneX's vision and growth strategy, including with respect to customer growth, employee expansion, environmental sustainability, supply and value chain changes, and global growth; (iv) strategic, operational, financial and compliance risks EdgeConneX may face; and (v) completion of EdgeConneX projects that are currently underway, in development or otherwise under consideration. Forward-looking statements are provided to allow the stakeholders in EdgeConneX the opportunity to understand management's beliefs and opinions in respect of the future so that they may use such beliefs and opinions as one factor in evaluating an investment.

These statements are not guarantees of future performance and undue reliance should not be placed on them. Such forward-looking statements necessarily involve known and unknown risks and uncertainties, which may cause actual performance and financial results in future periods to differ materially from any projections of future performance or result expressed or implied by such forward-looking statements.

Although forward-looking statements contained in this Sustainability Report are based upon what the Board of Directors and EdgeConneX Leadership Team believes are reasonable assumptions, there can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. EdgeConneX undertakes no obligation to update forward-looking statements if circumstances or the estimates or opinions by the Board of Directors or the EdgeConneX Leadership Team should change except as required by applicable securities laws. The reader is cautioned not to place undue reliance on forward-looking statements.

## About this report:


This Report, published in August 2022, covers the calendar years 2021 and updates some metrics from 2019 and 2020. It represents the best available information at the time of publishing. Although we do not yet report in full accordance with GRI (Global Reporting Initiative), the GRI standards and the Integrated Reporting Framework have inspired been applied in our report. It was formally reviewed and overseen by the EdgeConneX Leadership Team, in collaboration with ECX Sustainability Working Group. For more information on our sustainability efforts please check our website for examples of our different projects and initiatives.





## 2. 2021 in numbers and key achievements


2019




Green-e

ECX procures Green-e RECs for the first time to match electric consumption for its data center portfolio in North America


2020




First 100% Green Supply contract for our Houston, Texas Data Center



Program to save 25% water at our Amsterdam data centers




100% Carbon free supply contract at our Pittsburgh, PA data center




Forms DIEB task force, WomenConnex ERG, and HBCU Capstone Program


2021




Purchased carbon credit offsets for EdgeConneX's Scope 1 and Scope 2 GHG emissions to be 100% carbon free worldwide




Amsterdams 150/20 kV substation project brought online, to deal with power congestion



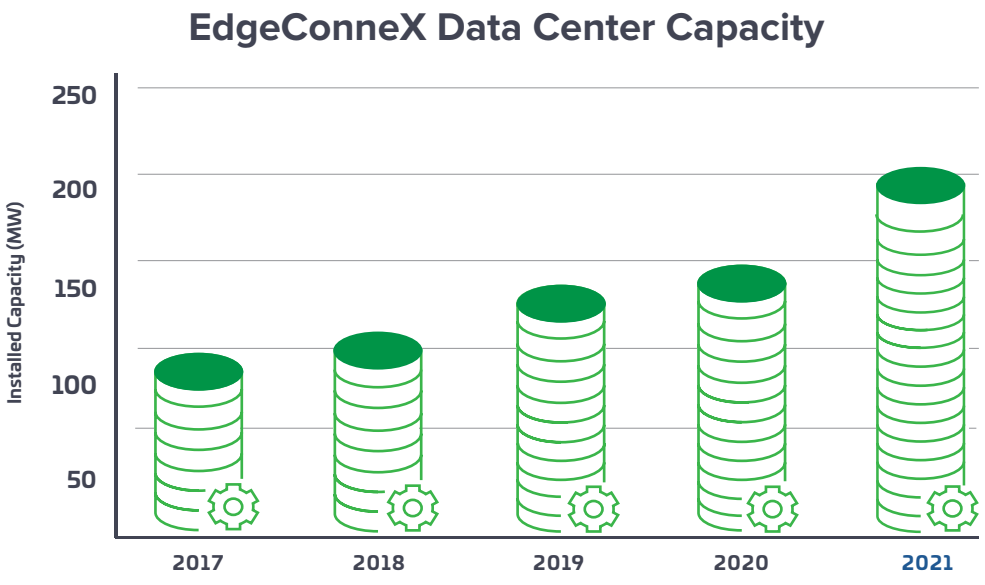
99% renewable and carbon free energy across our portfolio



Recruited 2 persons from Capstone Programme



Awarded EcoVadis Platinum award for our EdgeConneX Netherlands Datacenters.



<sup>1</sup>For our Scope 2 electricity consumption. Data centers purchased in 2021 were not included in the GHG calculations as they were not conditioned into the portfolio until the end of year. For more detail please check EdgeConneX in key figures on page 10.



### North America

**2021**

North American data centers are operating at 100% renewable / carbon free energy

**2021**

North American Datacenters are carbon neutral with carbon offsets bought

**2021**

Setup our first pilot for 100% renewable power 24/7. Results expected in 2022

**2021**

Hired 2 Capstone employees



### EMEA

**2020**

Purchased Certificates of Origin, for our European sites through an initiative with EQT

**2021**

Our 150/20 kV substation was brought online, where EdgeConneX is doing its part to relieve the congestion, while continuing our growth in that market

**2021**

Minimal chemical for water conditioning at watercooled Amsterdam datacenter and started to look at an alternative non-potable water supply



### South America

**2020**

Our Santiago, Chile site is 100% carbon neutral and operating on 100% renewable power



### Global

**2021**

WomenConneX officially launched to support women throughout the industry and within EdgeConneX

**2021**

As COVID-19 is still with us launched a number of initiatives focusing on the mental well-being of our employees. I) wellness policy and availability of a psychological hotline

**2021**

Created Joint Venture with Adani Enterprise to build a nationwide platform of data centers relying on renewable energy across India





# EdgeConneX in key figures

ESG Topic and KPIs	2021	2020	2019
Installed data center capacity			
MW	206	162	152
GHG Emissions			
Scope 1 & 2 GHG emissions	99.916 ton CO2e	93.427 ton CO2e	83.978 ton CO2e
Scope 3 (value-chain) GHG emissions	737.608 ton CO2e	444.149 ton CO2e	370.514 ton CO2e
Carbon Intensity Operations <sup>1</sup>	401 ton CO2e MW <sup>1</sup>	434 ton CO2e MW <sup>1</sup>	427 ton CO2e MW <sup>1</sup>
Carbon Offset credits	99.916 ton CO2e	-	-
Energy			
Total purchased electricity (including Scope 3)	852.920 MWh	508,902 MWh	461,218 MWh
Renewable energy	73.205 MWh	58.089 MWh	51,044 MWh
Power Usage Effectiveness (PUE)	1,27	1.26	1.27
Water			
Water withdrawals for cooling	94.084m3	187,548 m3	152,094 m3
Water-free cooling	94%	92%	92%
Waste			
Waste to landfill	780 ton	1.043 ton	648 ton
Waste diversion	32%	32%	38%
People			
Ethics & anti-corruption training	100%	100%	100%
Gender diversity (mgmt. team)	29%	29%	29% women
Employee Health and Safety	0 injuries	0 injuries	0 injuries
LTIR (Including Contractors)	0.49	-	-

## Notable updates from 2020 to 2021



**+22%**  
Installed Datacenter Capacity [MW]



**-6%**  
Carbon Intensity YOY



**-50%**  
Water withdrawals for cooling YOY



**100%**  
Carbon neutral for scope 1 & 2



**1.27**  
Constant PUE



**0.49**  
Lost time injury

As of 2021 we started to track the hours worked and lost time injuries for our contractors. For 2020 and 2019 we only tracked these for EdgeConneX itself, the result was 0. In 2020 EdgeConneX decided to include the safety statistics from our contractors as well as we want to make sure that the entirety of EdgeConneX operations including contractors is reported on to obtain the complete picture.

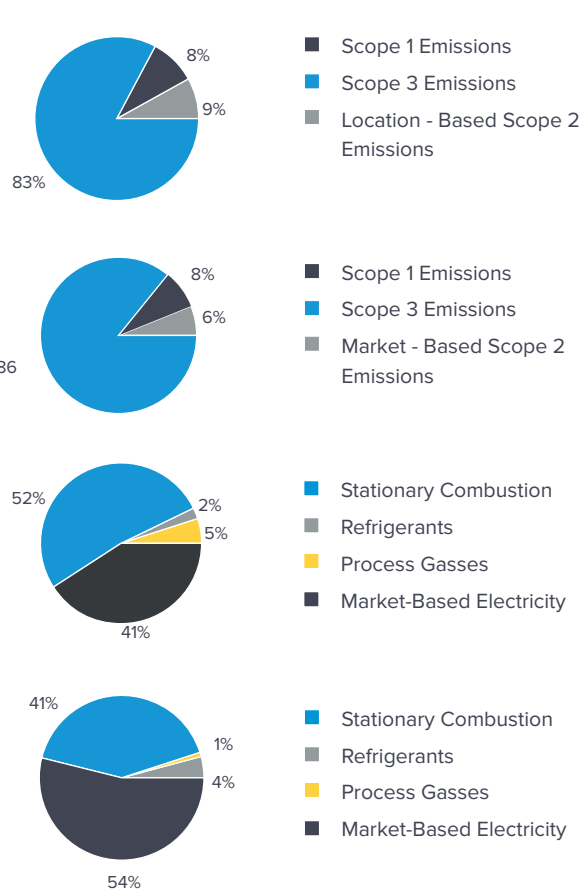
<sup>1&2</sup>EdgeConneX embarked on a challenging capacity expansion program in 2020, planning to triple our global footprint. This strategy leads to an increase in overall Greenhouse Gas emissions notably scope 3. To track our GHG performance independently of absolute capacity changes we monitor carbon intensity. In 2021 our operational carbon intensity dropped by 7,5 % to 401 ton CO2 / MW Installed.

<sup>3</sup>As of 2021 we started to track the hours worked and lost time injuries for our contractors. For 2020 and 2019 we only tracked these for EdgeConneX itself, the result was 0. In 2020 EdgeConneX decided to include the safety statistics from our contractors as well as we want to make sure that the entirety of EdgeConneX operations including contractors is reported on to obtain the complete picture.

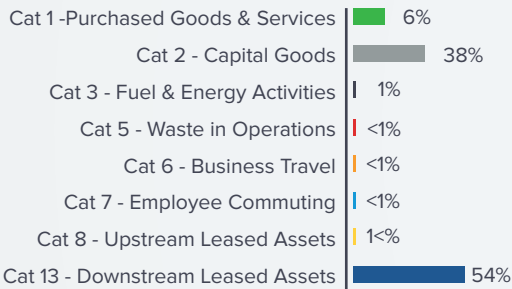


# 2021

## GHG Scope 1 & 2

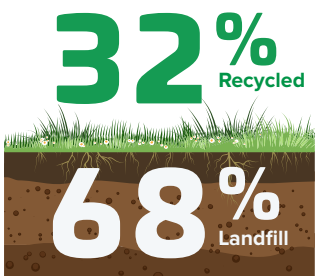


# 2021 GHG Scope 3



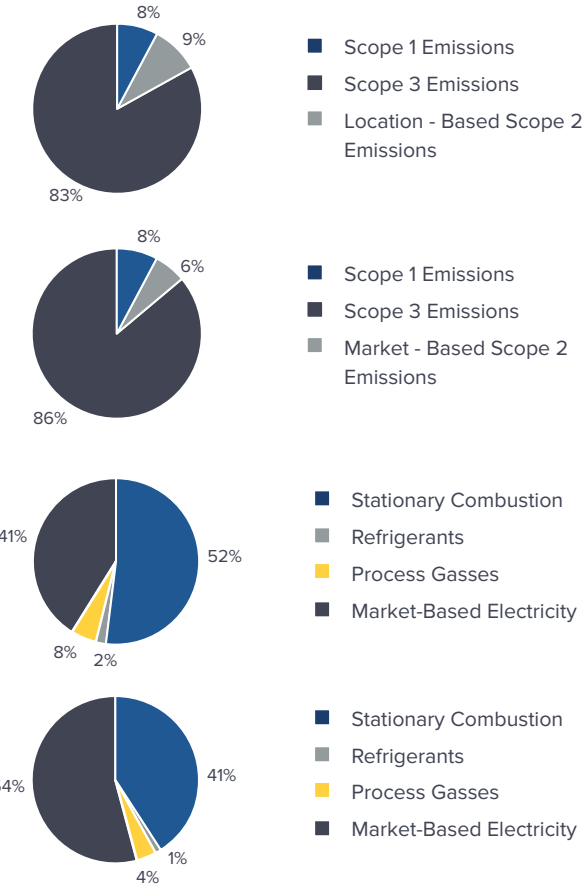
2021 tCO2e: 737,608

# 2021 Solid Waste Summary

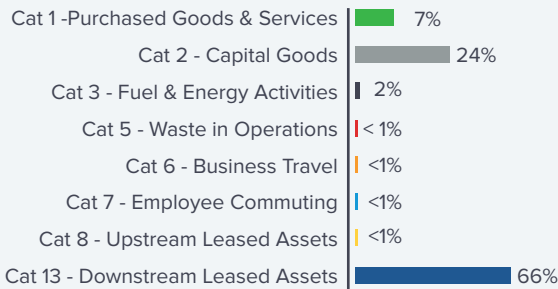


# 2020

## GHG Scope 1 & 2

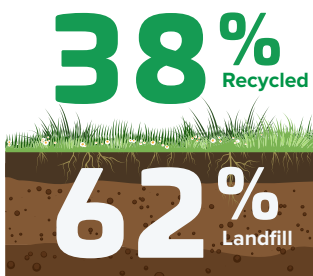


# 2020 GHG Scope 3



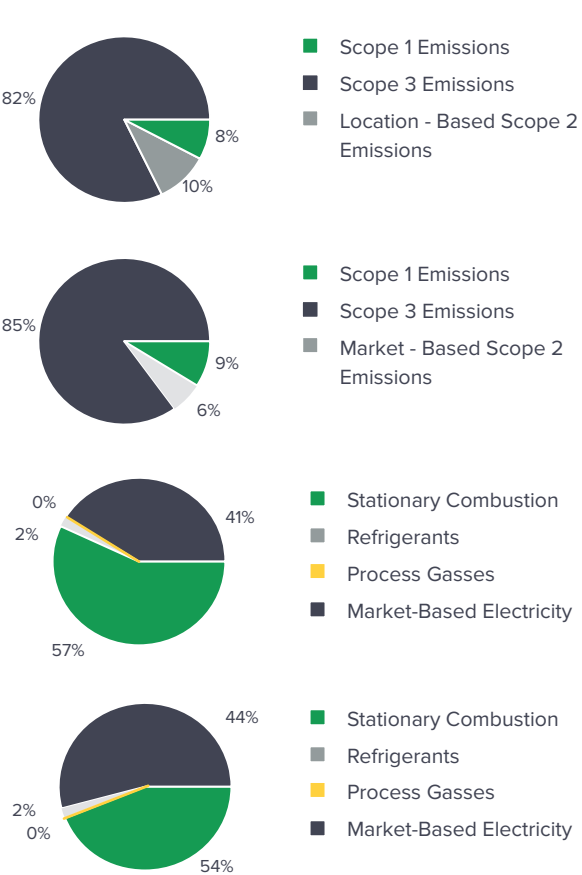
2020 tCO2e: 444,149

# 2020 Solid Waste Summary

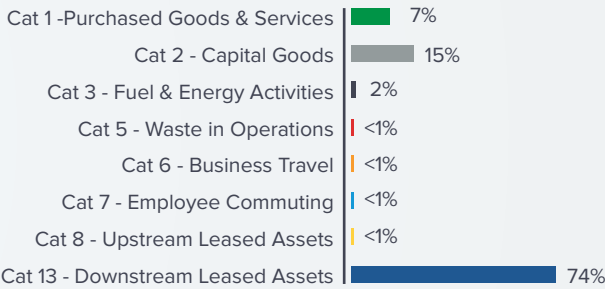


# 2019

## GHG Scope 1 & 2

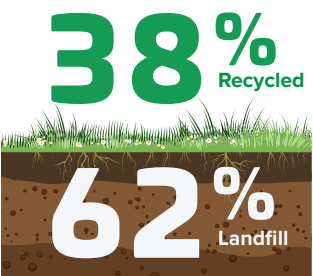


# 2019 GHG Scope 3



2019 tCO2e: 370,514

# 2019 Solid Waste Summary





# EdgeConneX and its Customers: Operational reporting Scope 2 and 3 boudaries

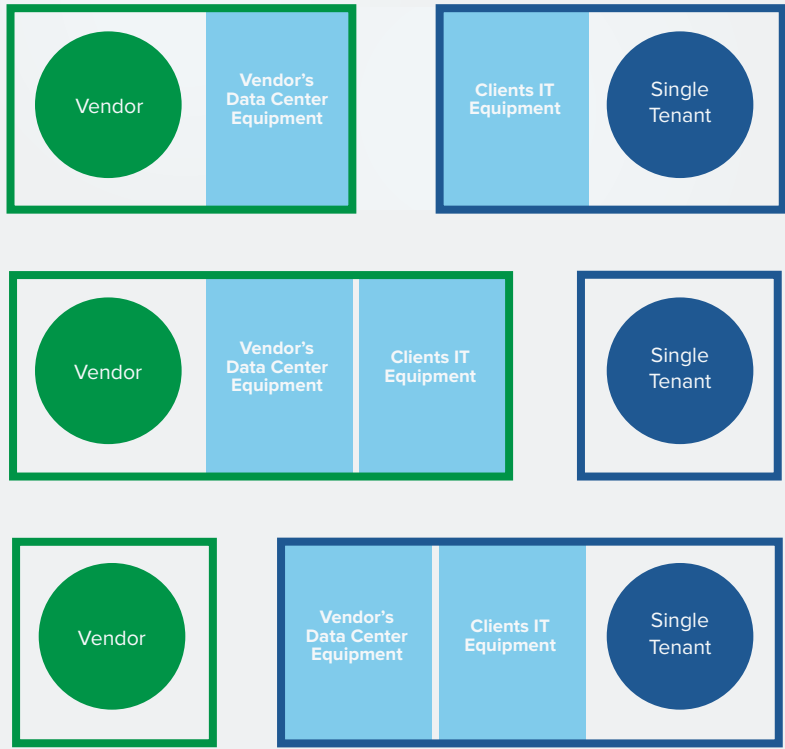
EdgeConneX uses the following definition for the GHG emissions and renewable energy accounting. EdgeConneX discerns two types of datacenters in its portfolio: colocation data centers and single-tenant data centers. For each of these data centers we account for the greenhouse gas emissions based on our operational boundary definition, due to the level of control that we have over the facility. We communicate our accounting principles clearly with our customers that are present in these data centers to avoid double counting of emissions.

Our first type: colocation Datacenters follow scenario 1 boundary defined below. EdgeConneX accounts for all emissions related to data center equipment (UPS, Generator, Cooling, etc.) as scope 2, and the client accounts for its data center equipment as scope 3. The client accounts for all emissions related to their IT equipment as scope 2 and EdgeConneX accounts for these as scope 3.

Single-tenant data centers, follow a different operational boundary stated below as scenario 3. In this scenario all the emissions associated with the use of EdgeConneX's equipment and customers' IT equipment are directly directly attributed to the customer. As there is almost no control by EdgeConneX within the operations of the data center, both the customer IT equipment and EdgeConneX datacenter equipment are considered as scope 3 for EdgeConneX and as scope 2 for the customer. This agreement is made explicit with the relevant customer in order for them to account appropriately.

In the example below scenario 2 is also shown as it is sometimes used by some of our partners and competitors and demonstrates an alternative GHG accounting and operational boundary structure. This structure is not used by EdgeConneX on any of its existing datacenters.

As mentioned above, this accounts not only for the greenhouse gas emission practice but our reporting on the share of renewable energy or carbon offsets as well.



## Scenario 1

Vendor accounts all emissions related to the data center Equipment as scope 2 (client accounts same emissions as scope 3)

Client accounts all emissions related to both the Data Center Equipment and their multiple client's IT Equipment as scope 2 (Client accounts same emissions as scope 3)

## Scenario 2

Vendor accounts all emissions related to the Data Center Equipment and their multiple client's IT Equipment as scope 2 (client accounts same emissions as scope 3)

## Scenario 3

Client accounts all emissions related to both the Data Center Equipment and their own IT Equipment as scope 2 (Vendor accounts same emissions as scope 3)

Figure 1: Scope 2 and Scope 3 boundary scenarios

<sup>2</sup>Please see GHG Emissions Accounting, Renewable Energy Purchases, and Zero-Carbon Reporting: Issues and Considerations for the Colocation Data Center Industry published by BSR: [https://www.bsr.org/reports/BSR\\_Future\\_of\\_Internet\\_Power\\_GHG\\_Emissions\\_Report.pdf](https://www.bsr.org/reports/BSR_Future_of_Internet_Power_GHG_Emissions_Report.pdf)





# 3. Organizational overview, solutions and external environment

## About EdgeConneX

Founded in 2009, EdgeConneX is focused on driving innovation and helping our customers define and deliver their own unique vision for the Edge, at any scale, in any market worldwide, for any requirement. Today, with headquarters offices in Herndon, Virginia, Amsterdam, and Singapore, we are building tomorrow’s data center infrastructure and building it around the globe.

Delivering innovative and proximate data center solutions ranging from 40kW to 40MW or more, we work closely with our customers to provide the scalable capacity, power, and connectivity they need to meet the growing demands of their business and their end users. In turn, our customers’ data, content, applications, and cloud services can be securely delivered with enhanced performance and lower latency to any device, anywhere.

Since late 2013, EdgeConneX has built over 50 data centers, including Edge Data Centers® and a growing number of regional and hyperscale solutions in more than 40 markets and 14 countries across North America, Europe, Asia, and South America, creating a new Edge of the Internet.

At EdgeConneX, our focus on continuous innovation is driven by the growing, changing needs of our customers. EdgeOS ® is our next generation data center operating system, providing customers with a single, secure view into their infrastructure deployed in any location across our global footprint.

We listen and learn, and we collaborate with our customers to develop creative, tailored solutions for real estate, construction, power generation, remote hands support, pricing, sustainability, and security to address those needs..

## EdgeConneX Ownership

In November 2020, EdgeConneX was acquired by EQT AB via EQT Infrastructure fund IV and fund V. EQT Infrastructure will support the continued development of EdgeConneX and actively assist the company in its pursuit of new opportunities to grow in existing and new markets by building capacity in energy efficient data centers and focusing on sourcing electricity from renewable energy sources. EQT is a purpose-driven global investment organization with a 25-year track-record of consistent investment performance across multiple geographies, sectors, and strategies. EQT today has EUR 73.4 billion in assets under management across 28 active funds.

With its roots in the Wallenberg family’s entrepreneurial mindset and philosophy of long-term ownership, EQT is guided by a set of strong values and a distinct corporate culture. EQT manages and advises funds and vehicles that invest across the world with the mission to future-proof companies, generate attractive returns and make a positive impact with everything EQT does.

In 2020, EQT AB formulated and published its Statement of Purpose on global sustainability. The Statement of Purpose was signed by the board of directors and articulates EQT’s belief that long-term profit can only be generated if a company creates value for, and makes a positive impact on, a broad set of stakeholders, people and society. The Articles of Association were subsequently updated to recognize this statement as an underlying principle of EQT’s ways of doing business. At the same time EQT AB committed to set SBTs, which have since been further refined and includes the commitment that 40% of EQT Funds’ private and listed equity portfolios by EUR invested capital will have set science-based targets by 2025 and 100% by 2030, 10 years faster than required by SBTi. EdgeConneX wants to be part of the frontrunners in this.

EdgeConneX has built over 50 data centers, including Edge Data Centers® and a growing number of regional and hyperscale solutions in more than 40 markets in 14 countries across North America, Europe, Asia, and South America, creating a new Edge of the Internet

## Joint Ventures

In February 2021, AdaniConneX (ACX) was founded, a joint venture between Adani Enterprise Ltd and EdgeConneX. ACX provides a GW size data center platform with a 2030 goal of building Core to Edge DC platform across India and the southern asia continent, and is able to leverage 25 GW’s of sustainable solar energy sources owned by Adani Enterprise Ltd, ranked as the largest solar power generation owner in the world by Mercom Capital.

In December, 2021, a strategic investment was entered into with Chayora, a leading data center provider in China. The partnership with Chayora provides ECX with data center offerings in Beijing and Shanghai (under development), that jointly can scale to over 200MW IT load, along with the ability to scale out the platform to other major markets throughout mainland China. The facilities across the two campuses alone have access to 100% renewable energy through a partnership with Goldwind, a leading Chinese wind turbine company, providing clean alternative energy solutions. Its subsidiary Tianrun has a total grid-connected installed capacity of more than 6,400 MW of power via wind farms, solar energy, etc.

The scope 3 emissions of both the AdaniConneX joint ventures and Chayora investment are not included in this version of the sustainability report as both are not wholly owned or a majority of the shares is held by EdgeConneX.

## The EdgeConneX Executive Team in 2021 was organized as follows

EdgeConneX leadership is structured by region (Americas, EMEA and Asia) and by business line (Operations, Finance and Sales). The leadership team consists of the eight person group as shown below.

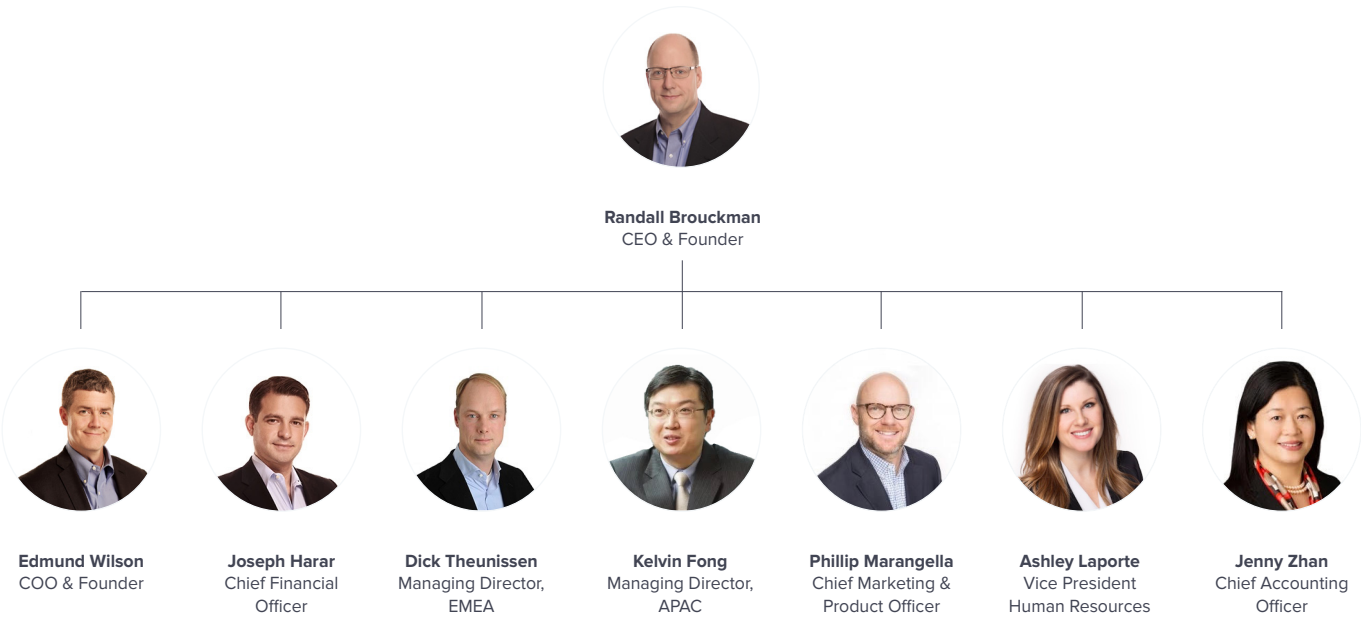


Figure 2: EdgeConneX Executive Team

# EdgeConneX Solutions

A global data center provider, operating highly proximate, high-powered, purpose-built solutions for customers in any deployment globally.

To achieve our business goals we are always focused on our customers' needs, hiring and caring for the best people to support those customers, and ensuring we operate the business in the most sustainable manner. That means that at the core of our DNA we focus on our customers' needs.

EdgeConneX is a global data center provider, operating highly proximate, high-powered, purpose-built solutions for customers in any deployment worldwide. To achieve our business goals, we work closely with our customers to define and respond to their needs, we hire and care for the best people to support those customers, and we ensure that we operate and expand our business with a strong focus on sustainability.



## In the right place

With data centers in over 40 global markets, we work with you to build the Edge you need, where you need it, for optimized access and proximity to content, cloud, networks and end users.



## At the right time

Whether we're scaling existing capacity or building net new capacity, we deliver at the speed you need to keep your competitive edge.



## In the right configuration

From Hyperscale to IoT, we have hands-on experience delivering data center solutions from 100kW to 100MW, in your neighborhood and around the globe.



## Connected

Our data centers offer diverse network access to many of the world's largest MSOs, ISPs, fiber, and mobile providers, as well as on-ramps for the major Cloud Service Providers.



## Sustainable

Sustainability is both how we deliver for our customers and how we run our business. It manifests in a variety of ways. For example, our joint venture with Adani Enterprises, announced in 2021, to develop 1 GW of sustainable data center platform capacity in India.



## Automated

EdgeOS, our unique, next-generation self-service DCIM application, provides visibility into every aspect of data center operations across all EdgeConneX facilities, from a single pane of glass.

At our core, we focus on our customers, our people and our impact on the planet

EdgeConneX operates **more than 50 data centers in over 40+ markets across the EMEA and the America** as of 2021. EdgeConneX has multiple product lines within the data center business, including connectivity solutions, power, EdgeOS Data Center Infrastructure Management (DCIM) applications, and operations center and support services. Expanding our vertical offerings, EdgeConneX has introduced Cable Landing Station development and Electric Vehicle charging and dataingest services for US-based fleet operators.

EdgeConneX expanded its global footprint by entering the Asia region in 2021 via a new joint venture with the Adani Group. Adani is one of the largest conglomerates in India with vast experience building and operating large infrastructure projects including India's largest renewable solar power facility. The new venture, AdaniConneX, includes both hyperscale campuses and edge data center facilities. Continuing expansion in 2021 included the acquisition of Global Data Center in Israel, bringing three facilities located in Tel Aviv into the EdgeConneX global data center platform. The creation of EdgeConneX Singapore launched the Asia headquarters to support the company's growth throughout the region, including a strategic investment in Chayora, building and operating data centers in China.

## Data center Solutions:

EdgeConneX data centers solutions range from **40kW to 40MW**, and deliver the scale needed by our customers in virtually any market, in their required timeframe, based on their business needs. As every customer is unique and has different specific requirements, this means that we work with our customers to build the data center solutions they want. An added benefit to this approach is that EdgeConneX data centers are purpose-built, not developed speculatively, and are less likely to result in excess capacity, construction, or power.

## Connectivity Solutions:

EdgeConneX is a carrier neutral data center operator. We have over 75 service network providers, including ISPs, IXs, direct cloud access services, SDN-based cloud access, and more, which offer our customers choices in connectivity. To connect to these networks and with other customers we offer these services:

- **Cross connects:** on site network connectivity between two different termination locations within our data center though physically hard-wired connections. These ensure low latency connections.
- **Virtual connections:** EdgeConneX has a list of Software Defined Networking (SDN) partners which enable virtual connections locally within our data center or across countries or the globe. These virtual cross connects (VXC's) can be provisioned real-time through our online portal.
- **Cloud interconnections:** on-site private connections between your deployment in our collocation equipment and the cloud. EdgeConneX partners amongst others with AWS, Microsoft Azure and Google Cloud.
- **Peering Exchanges:** available in select data centers for localized peering for Internet Service Providers (ISP's) between networks and exchange IP traffic.

## Data center Services

When deploying a data center our customers require uninterrupted power combined with their own power requirements. EdgeConneX works closely with local utilities to

EdgeOS, our industry-leading Data Center Information Manager (DCIM), allows customers to manage their services, assets, and support across all EdgeConneX data centers from a single web portal reducing air and car travel requirements for customers, vendors, and EdgeConneX staff



identify creative solutions for generating energy in constrained markets as demand rises. and ensuring that these deployments perform at high levels of efficiency.

EdgeConneX data centers offer up to 30kW per rack with standard containment solutions, and potentially higher power densities for customer-specific IT solutions. This allows more computing power to occupy a smaller physical footprint, and allows our customers to take advantage of new, more energy efficient processors and servers that require less power to perform processing-intensive work. EdgeConneX also has the experience to provide industry expertise on the key business drivers regarding power options, green energy with tariff evaluations, local and regional Renewable Energy Credits (RECs), direct power purchase agreements, and other solutions.

DCIM Solution: EdgeOS

EdgeOS, our industry-leading Data Center Information Manager (DCIM), allows customers to manage their services, assets, and support across all EdgeConneX data centers from a single web portal. EdgeOS offers visibility, notifications, ticketing, reporting, video, and more, for over one million monitored data points and may be monitored and utilized by customers and operations staff. By automating our data centers as much as possible, we empower our customers to remotely manage and monitor their deployments from anywhere in the world. This has the added benefit that it greatly reduces the amount of auto and air transportation required for data center personnel, support staff, and our customers.

Services: Remote Hands

As part of delivering our Edge data centers around the world, we include services that are critical to ensuring our customer's deployments are always secure, always available, and always visible 24x7x365.

Electric Vehicle Solutions

In 2018, a leading autonomous vehicle fleet engaged with EdgeConneX to offload data from its vehicles into the cloud at one of our data centers. When the fleet transitioned to electric vehicles (EVs), we saw an opportunity for improving vehicle utilization (essential for realizing the emissions reduction potential of EVs) by having the EVs charge while technicians offloaded the data. So in 2021, we deployed our first EV charging depot, with 700 kW of utility power and 14 fast-charging stations, in one of our data center parking lot.

In the process, we realized that EdgeConneX, as a pioneer in the digital infrastructure industry, has solved many of the same challenges EV fleet operators face – acquiring, permitting, and powering sites in strategic locations, while ensuring our customers' speed to market. In the substantial commitments many companies have made to electrify their fleets (millions of vehicles in aggregate) we saw a broad market opportunity and decided to expand our location-sensitive power business into the clean transport industry. Driving toward a world in which the movement of people and goods has net zero carbon impact, we're enabling commercial fleet operators to electrify at scale by siting, building and operating EV charging depots where and when our customers need them.

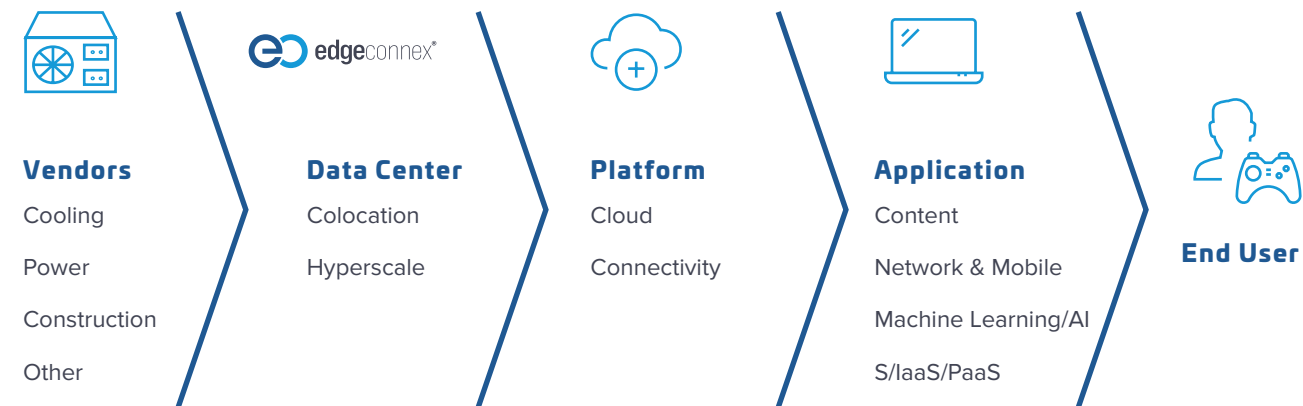
Value Chain

At EdgeConneX we want to continue to do business with suppliers and customers who share our commitment to sustainability. The sustainability challenges that we address require us to engage beyond our own operations. Managing our supply and value chain in a responsible manner requires a structured approach which we continue to refine and sharpen with continuous improvement. We are aligned with our customers and suppliers covering the assessment and development of their sustainability performance (audits and training), and carbon disclosure of our supply chain.

As a data center operator our vendors such as utilities, equipment suppliers and contractors enable us to build and operate our datacenters effectively and sustainably. It is also important to note that many of the largest platform, cloud, and application providers in the world are our customers and the drive for sustainable solutions extends to our customers and the performance they demand from their own suppliers as well.

In the coming years we will continue and intensify and coordinate these initiatives and including but not limited too, when establishing new relationships with vendors that share our mission, vision and values and specifically to drive towards our sustainability goals.

In the chart below it shows our interconnectivity of the value chain through our data centers and the need for initiatives and coordination with numerous vendors, consultants and customers to maximize our sustainability goals and minimize our GHG, water, and waste footprint.





# EdgeConneX Vision, Mission and Values

## A culture of high performance

The EdgeConneX culture is one of high performance. One where the different components of the business are not only focused on improving the financial performance and quality of our products, but on sustainability, as well. EdgeConneX supports its employees, by setting them up for success and providing the tools they need to fulfil their roles. Our culture and core values are focused on velocity, excellence, teamwork, success and diversity.

**Velocity:** We are eager to create our “tomorrows” today. We embrace an attitude that exudes innovation and efficiency and strive to change the status quo. We provide infrastructure for the world’s digital economy, a position of leadership that requires us to be fast, flexible, innovative, and thorough.

**Excellence:** We show our commitment to our customers through excellence in service delivery, the pursuit of the highest quality product, and conduct that is aligned with our company’s policies around process, security and integrity. We are accountable for our actions and performance and view them as a direct reflection of our company.

**Teamwork:** We work effectively as a team and build collaborative relationships, both internally as an organization and externally, with customers, partners, suppliers, and neighboring communities.

**Success:** We approach each day with the objective of improving our product, our processes, and our delivery in a manner that differentiates EdgeConneX in the market. We are highly motivated and passionate about who we are, what we do, and how we innovate. Results matter, but so do the steps we take to achieve them.

**Diversity:** We believe diversity – of thought, backgrounds and experiences – affects all that we do, from our employees to the solutions we deliver. Our goal is to create an environment in which inclusion through diversity helps enrich the lives and work experience of our employees, enhances our innovation and creativity, and enriches our involvement in our communities.

In 2021 EdgeConneX launched its first Employee Resource Group: WomenConneX. The group was formed by a few women within EdgeConneX with the mission to close the gender gap across the industry and to help women embrace technology internally and influence externally others to join EdgeConneX. The team is passionate to unite the women within EdgeConneX to meet quarterly to discuss a wide variety of subjects that will support and assist women in connecting professionally and personally.

An example of encouraging diversity in our supply chain, EdgeConneX has entered into agreements with Salute Mission Critical to employ their staff, including veterans from fourteen nations, in operational roles within our data centers, offering jobs, training, and opportunities in the technology and data center industries to personnel who have served their respective countries.

All EdgeConneX employees are expected to conduct business so as to enhance the company’s reputation.

### The overriding principles which should govern our behavior and business dealings are:

- We compete vigorously and ethically in the markets in which we operate, and we follow the laws and regulations of the countries in which we do business.
- Corrupt practices are not tolerated and we act in accordance with the laws governing our headquarters locations and the local markets where we operate.
- Employees must not engage in activities that involve, or could appear to involve, a conflict between their personal interests and the interests of EdgeConneX.
- Employees who come forward with legitimate allegations of misconduct anywhere in the organization will be treated with respect and will not face retaliation. They may express their complaints to their line manager, a member of the Legal or Human Resources teams, or the ECX Anonymous hotline. Their complaints will be thoroughly reviewed, and appropriate action will be taken as necessary.

### Significant Changes:

In 2020 we started implementing a robust recruiting process to build up a fair process when attracting and hiring talent. This has shown great results in 2021 where we were able to grow our staff by 71 employees.

**202**  
employees  
in December 2021

**13**  
countries  
AR, CA, CN, DE, IE, IN, ISR, NL, PL, SG, SP, UK, US

**4**  
continents  
North America, South America, Asia & Europe



**Growth**  
New data centers in Israel; investment in Chayora in China; joint venture, AdaniConneX, in India





# Internal and External Risk Factors

## Pandemic

The rapid spread of the COVID-19 virus in 2020 and subsequent surges in 2021 created many challenges for EdgeConneX. The health, safety and welfare of our employees took priority as well as maintaining our facilities 100% uptime. We have been prepared for a pandemic such as this in our business continuity plans. This is to ensure that we can maintain and improve our service levels to our customers. We continue to closely monitor the spread of the COVID-19 virus in the regions where we operate and in the regions where we expand our business. In alignment with COVID-19 pandemic global and in-country policies, EdgeConneX enacted social distancing and cleaning to prevent the spread of the virus. While we believe we have taken good measures to mitigate risks from the disease to our personnel, the impact from COVID-19 also includes impacts to our vendors, suppliers, supply chains and customers must be continuously evaluated.

## Increased demand for data center services due to remote operations stemming from COVID-19

Due to the shutdowns in businesses or businesses migrating to remote operations we have seen a tremendous growth in our core data centers, as people started to work remotely. This created a large demand for our data center services as well as requests from customers to develop new data center solutions in new and established locations. In the last 2 years our data center services have scaled up, including on-site services and remote services. The growth, we believe is sustainable in that, much of the world's workforce has adopted to working remotely or a hybrid model now and into the future.

However, the added data center demand also causes risks in that our customers demand growth in our data centers that many times is difficult to balance with limited on-site personnel and operations. Working with our customers we have generally mitigated or provided transparency into the schedule and/or market and supply chain risks.

## COVID-19 disrupted air travel and supply chain

Although not many of our projects were affected by disrupted supply chains in 2021, we did have some issues at specific projects on specific sites. We continue to see pushed deliveries not due to factory closures directly tied to COVID-19 as we saw in 2020, but instead due to delayed equipment components. Here, COVID-19 has disrupted the supply chain, creating component and material shortages from which the world is still recovering. Fortunately, we were able to remedy this by having ordered early and making sure that materials were already on site. In addition, we are in constant contact with our suppliers to look for alternatives or source replacement components. We continue to order proactively and reduce the number of different equipment types throughout our fleet and further looking to "stock" equipment when we can.

Spare parts availability has delayed some repairs, EdgeConneX has managed our data centers without any SLA violations during 2021. Our operations team members continued to travel extensively to ensure sites are maintained and managed to the high standards and new sites and markets are launched on time and with trained staff. We do see that our staff on average reduced their international travel compared to pre-Covid-19.

## Lock downs increased demand for data center capacity and services

As global lockdowns of corporate offices and many other facilities continued in 2021. We also noted that by people continue to work from home as well as for entertainment and education. All of which continued to increase the amount of data traffic increased tremendously.

The health, safety and welfare of our employees took priority as well as maintaining our facilities 100% uptime.

Our employees and suppliers continue to work hard to meet our customers demand. Looking at our availability and uptime we continue to meet this demand. We see that for the coming years our customers bring forward their investment agenda's. Even while people are slowly returning to work. With the other trends, such as 5G electric vehicles and AI/Machine Learning it becomes more and more interesting and challenging how to meet this demand.

## Lack of power transport capacity in many markets

Power generation and transmission capacity is severely constrained in several key markets where ECX has a presence or is in the process of establishing a presence (E.g., Dublin, Amsterdam, Silicon Valley). This situation is due to increased demand on electrical grids (due to robust public cloud demand wrought by the COVID pandemic and electrification of transportation, among other things) leading to capacity shortages that utilities are struggling to fill with their investment plans. The transition to renewables from fossil fuels in certain market is also a contributing factor owing to the inherent intermittency of renewable power sources.

The rapid increase in electricity demand and the speed of grid decarbonization is not aligned with the pace of investment to upgrade generation and transmission infrastructure by grid operators. In certain markets it can take 5-10 years to increase connection capacity, while the investment cycles of consumers and businesses are much shorter in the range of 1 to 3 years. It takes EdgeConneX less than 2 years to deliver data center capacity from the moment of project inception to project completion. This makes it extremely hard for distribution system operators to make appropriate investment decisions.

In certain markets, EdgeConneX has determined that there is sufficient transmission capacity in a market and is thereby investing in supporting electrical infrastructure to ensure the development of new datacenters may continue in a timely manner. Amsterdam was the first market where in 2019 we took this first step. In 2020 construction started and in July 2021 a 150/20 kV substation was brought online. This substation has an ultimate capacity of 240 MVA. In other generation and transmission constrained markets such as Dublin, ECX is developing embedded generation capacity to support our customers. As well as decided to work with the transmission or distribution provider to build the infrastructure ourselves and depending on regulation transferring this back to the utility. In this manner, ECX is developing strategies to deal with what are likely to be increasingly commonplace constraints in the future.

### Ability to recruit technical personnel, due general global labour shortages

Even though the pandemic led to a rise in unemployment in the short term in the USA and less so in Europe due to government employment programs. Now that we are past the larger surges of the pandemic, we are seeing skilled (technical) talent is extremely hard to come by. Since 2019 EdgeConneX invested into our alliance with the Capstone project to directly hire talent from universities with diverse backgrounds. We also work with the data center trade organizations across the world to create internships for students that are interested to work in the data center industry. In the US we have the summer internship program, where students are invited to join our ranks.

Over the next few years, we plan to further extend the Capstone project and implement this in other markets where we are present as well as see how we can recruit and invite students to come work in the data center industry.

### Levels of Health & Safety in new entry markets

Health & safety is a key sustainability metric for EdgeConneX. It is important that everybody who works in our data centers can do so safely and at the end of the day can go home and spend time with their loved ones. In our existing markets in Europe and the United States we have been able to improve the safety record and practices at our sites.

New markets pose a challenge as new contacts need to be formed and workers / businesses need to become accustomed to our practices. In new markets we put a lot of attention on the basics: lifesaving rules and making sure that we provide personal protective equipment in case people do not have the correct equipment for the job.

Finally, we focus with our suppliers on safety training and toolboxes, to improve and embed health & safety on our projects.

### Increase resistance to data center

### development in mature countries (water, power), stronger regulatory drive to improve sustainability

As an example, in 2019 the Metropole Region Amsterdam announced a data center stop. Local stakeholders became increasingly concerned with the negative effects of data center developments in the area namely:

- Claim on electrical transport/distribution capacity
- Claim on water for cooling
- Inclusion of data centers in the built-environment
- Impact on sustainability

In Amsterdam, EdgeConneX has been able to address such concerns and continue with the development of our data centers, as earlier it had invested in a 150/20 kV substation, so we did not claim scarce transport capacity which spurs other economic developments and the energy transition in the area.

Furthermore, EdgeConneX data centers no longer use water vapor (evaporative) cooling. In the coming years EdgeConneX will further commit itself to improve the inclusion of data centers in the built environment. By investing in natural embankments and landscaping that improve biodiversity, improved attention to the design of the datacenters, so they fit in the environment better and finally continue with minimization of water use in our data center design.

Attention is given to existing data center as well. In 2020 invested in a patented water treatment system which reduced our water usage at some of our Amsterdam data center facilities by 30% per year. Now we are looking towards replacing the potable water supply, with a raw water supply from a local water body, further reducing the claim on natural resources. Finally, we continue to work with our customers and suppliers to drive down the PuE by ensuring our facilities are operating at maximum efficiency in concert with optimal operating conditions for our customers' IT equipment.

During 2021 we continued to deploy advanced environmental sensors at several US sites, that, combined with control scheme changes resulted in significant PUE improvements at long serving sites. This work showed we can continue to improve PUE at our smaller Edge sites that run at much lower utilizations than our Hyperscale sites. We also transferred some of these control schemes to our Hyperscale sites in Chicago and Dublin to improve cooling and PUE at those sites.

# EdgeConneX Activities, Markets, and Competitive Landscape

## Principal Activities and Markets

EdgeConneX is a global provider of data center solutions and Internet infrastructure, facilitating capacity, power, connectivity, and operational platforms for managing data center assets.

- **Data Centers:** Ranging from small EdgePoP equipment in metropolitan office buildings to Edge data centers scaling from 500kW to 10MW, and hyperscale data centers offering 10MW to 100MW of power for service providers in the cloud, content, and networking spaces, EdgeConneX is uniquely positioned to deliver solutions that span the full spectrum of data center facilities in markets worldwide.
- **Markets:** EdgeConneX is a global provider, with more than forty markets in fourteen countries across four continents around the globe.
- **Services:** As part of our data center offerings EdgeConneX facilitates customer access to network connectivity, power resources, facility and asset security, operations applications that may be accessed remotely, and managed services offered through select partners.

## Competitive Landscape

In the decade since its founding, EdgeConneX has grown from a supplier of small data and communications devices to a global player with over 200MW of data center power and capacity in operation, and another 200MW in development independently.

EdgeConneX occupies a unique position among data center providers, in part owing to its history, of working closely with customers to build the capacity they need, at the scale they need, and in the locations they need it. We develop data center facilities to the specifications of our customers rather than speculatively, so whether a customer needs a 1MW data center in an underserved but emerging market or a 60MW hyperscale facility near an Internet peering point, EdgeConneX responds to the requirements defined in consultation and collaboration with our customer.

EdgeConneX is a growing, thriving data center provider in an industry with fierce competition on many factors, including pricing, connectivity, flexibility, reach, operational tools and experience, security, proximity, and real estate acumen. We compete in this industry by working with our customers to find locations, work with regulatory and community leaders, identify and develop power and cooling resources, building, and operating world-class facilities around the globe.

The data center industry experienced significant consolidation and M&A activity in 2021, in some cases leading to accelerated expansion plans and new entrants competing in emerging and established markets. Over that same period, EdgeConneX has been recognized as an industry leader, developing new campuses, acquiring select data center providers, making strategic investments in providers in new markets, and entering into a major new joint venture to create a data center platform across India, relying on renewable energy resource.

In our view, as competitive as it is, the data center industry must collectively address the need for sustainable solutions. These solutions are critical for the planet and its people, and also for the industry itself, which needs to make effective, efficient use of land, water, power, cooling, and remote operational technologies.

EdgeConneX is committed to working with the sustainability programs crafted by our customers, partners, industry standards bodies, and even our competitors. We are closely aligned with our owners, EQT, on pursuing science-based sustainability goals, relying on global standards for guidance and investing in innovations that will help us develop and deliver on even more aggressive commitments.



# 4. Our Material Matters

In 2021 we conducted a materiality assessment to identify key topics relevant to our business and help us determine where we should be focusing our efforts and reporting. We took a high-level approach, drawing on principles from the GRI Standards, to help us lay the groundwork for more comprehensive future assessments. The process was initialized by EdgeConneX executive leadership when we decided to issue an annual Sustainability Report. The execution of the materiality assessment was assigned to and managed through the Sustainability Working Group team.

With the help of an external consultant (WSP), EdgeConneX identified relevant matters and rated each on their importance to EdgeConneX and importance to our stakeholders. Ratings were based on peer benchmarking, market research, and internal surveys with EdgeConneX employees that understand our business and work with our stakeholders. The boundary of our assessment was closely aligned with our direct operations.

The long list of relevant matters and stakeholders we identified through this process are shown in the tables below. It is important that as part of the questionnaire we corrected for bias. This was done by ensuring that responders were selected from all levels and departments within EdgeConneX.

As the current materiality matrix is less than a year old, we decided not to update this version as the changes will be minimal. For the sustainability report covering calendar year 2022, we will perform a complete reassessment of the material matters and the materiality matrix.

## Sustainability topics identified through the assessment

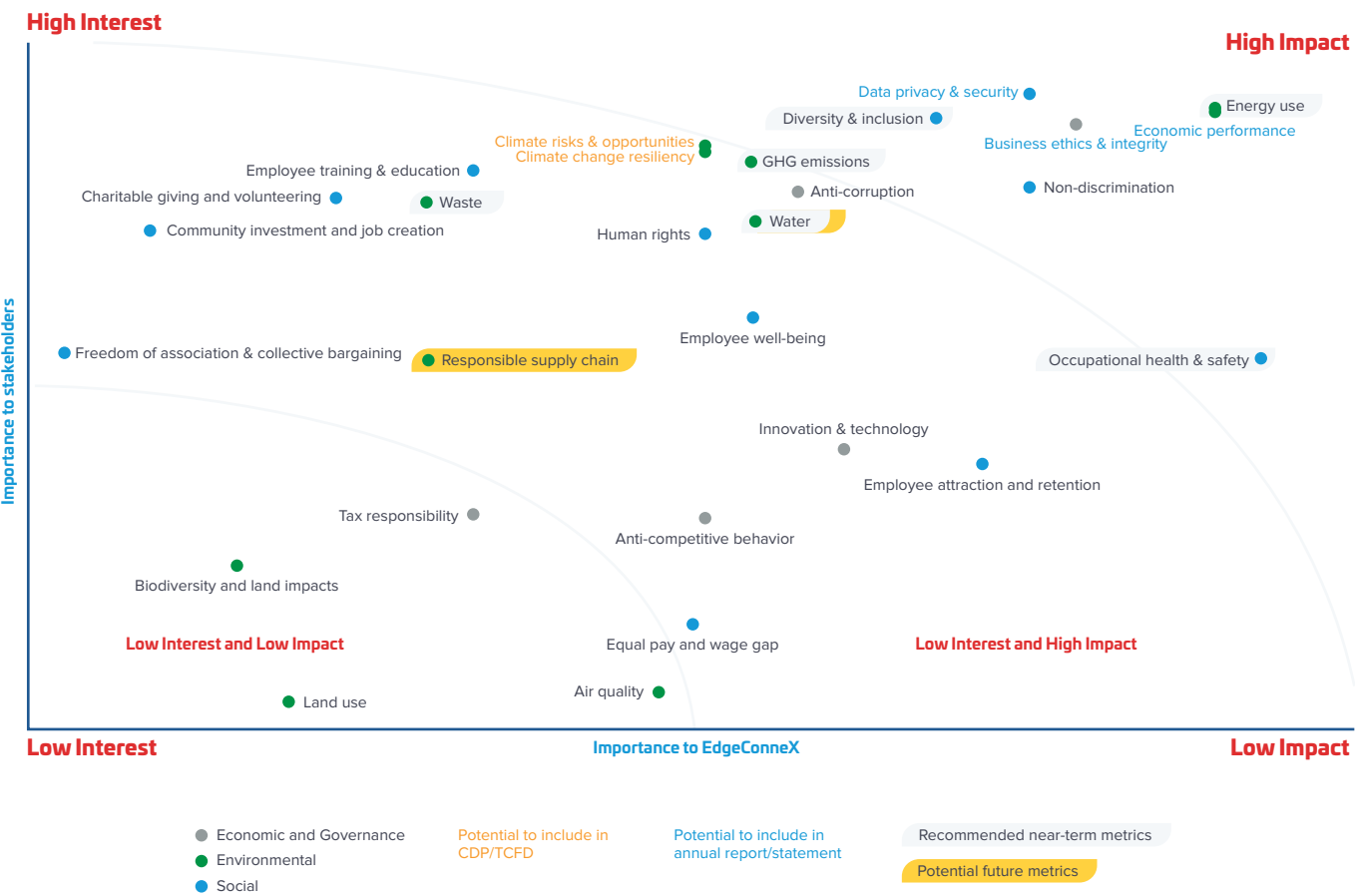
Economic & Governance	Social	Environmental
<div><div></div> Economic performance</div> <div><div></div> Anti-corruption</div> <div><div></div> Business ethics &amp; integrity</div> <div><div></div> Anti-competitive behavior</div> <div><div></div> Tax responsibility</div> <div><div></div> Innovation &amp; Technology</div>	<div><div></div> Employee attraction &amp; retention</div> <div><div></div> Occupational health &amp; safety</div> <div><div></div> Employee training &amp; education</div> <div><div></div> Diversity &amp; inclusion</div> <div><div></div> Equal pay &amp; wage gap</div> <div><div></div> Non-discrimination</div> <div><div></div> Freedom of association &amp; collective bargaining</div> <div><div></div> Human rights</div> <div><div></div> Data privacy &amp; security</div> <div><div></div> Employee well-being</div> <div><div></div> Charitable giving &amp; volunteering</div> <div><div></div> Community investment &amp; job creation</div>	<div><div></div> Air quality</div> <div><div></div> Climate change resiliency</div> <div><div></div> Climate risks &amp; opportunities</div> <div><div></div> Responsible supply chain</div> <div><div></div> Energy use</div> <div><div></div> Water</div> <div><div></div> GHG emissions</div> <div><div></div> Waste</div> <div><div></div> Biodiversity and land impacts</div> <div><div></div> Land use</div>

During the materiality assessment we also checked and verified the following stakeholders based on employees responses for EdgeConneX. It is our intent when we update the assessment in 2022, that we invite these stakeholders as well to respond and contribute to our materiality index.

## Stakeholders identified through assessment

- Employees
- Customers
- Suppliers
- Industry associations
- Competitors
- Investors
- Local communities
- News media
- Utilities
- Strategic partners
- Elected officials
- NGOs
- Ratings organizations

The Materiality Matrix below shows the results of the rating process and helped us establish the metrics for inclusion in this report.





As EdgeConneX continues to deepen our understanding of our impacts and opportunities, we will expand the boundary of our assessment to include more indirect upstream and downstream impacts associated with our value chain. Additionally, we intend to engage directly with external stakeholders to further understand the aspects of our business that are most important to them. We see stakeholder engagement as an opportunity to strengthen our relationship with our customers, the communities where we have operations, and more broadly the global community.

From the Materiality Matrix the following material matters to EdgeConneX were identified, which form part of our sustainability roadmap. From the Materiality Matrix the following material matters for EdgeConneX were identified as the starting point to track annual metrics which form part of our sustainability roadmap.

Based on the mapping on the previous page, we track the following metrics:

**Scope 1, 2, 3 GHG emissions (metric tons CO2e)\***

- Total energy (MWh) \*
- Renewable electricity procurement (MWh, %) \*
- Power usage effectiveness (PUE)
- Water withdrawals (cubic meters) \*
- Waste to Landfill (metric tons) and waste diversion (%) \*
- Diversity and inclusion metrics (% women in top management)
- Occupational health and safety (# of injuries)

This is EdgeConneX first Materiality Matrix and should be viewed as the starting point to develop further. For next year's iteration covering the sustainability report of 2022, EdgeConneX plans to include inputs from suppliers, strategic partners, customers. This will broaden our view and confirm which goals are truly relevant and important for our stakeholders. It will also help us to focus on the topics that are material.





# 5. Our Strategy

EdgeConneX is working to be recognized throughout the industry as the best-in-class sustainable data center provider.

We have taken the first few of many steps, and we also understand that we still have a long way to go to achieve our goal.

This holistic ESG sustainability strategy leads to the EdgeConneX's goal is to become a carbon-, waste-, and water-neutral data center provider, developing and operating a carbon neutral data center platform powered by 100% renewable energy in 2030.

Making this work means that we cannot forego one of the most important pillars of our organization: people. To become an organization people want to work for, one where people take pride in their work as well as make a difference and to strive to improve the organization day by day, we need to invest in people, so they can innovate and work with our customers to achieve results.

The KPI's shown below are from the Materiality Matrix assessment as well as goal setting and leadership direction. The table below also shows our United Nations Sustainable Development Goals (UN SDG) alignment.



In 2020 we launched our Customer, People, Planet strategy by implementing our first holistic ESG sustainability policy

To ensure that our targets are directly related to a specific SDG which it will quantitatively affect. There are also 11 other UN SDG's where we have connections to or that we will affect, however these relations are more qualitative rather than quantitative and therefore are omitted for the basis of this report, and are therefore not listed. While we have stated with many core measurements and metrics a number of the following KPIs will continue to be defined in the coming years within ECX, measured and have success metrics attached to them.

## Our 3 pillars



### Customers

Being responsive to our customer needs, deliver a reliable service that empowers our customers to manage their data asset remotely with unparalleled control

#### SDGs



#### KPI

- Economic Performance
- Data Breaches
- Total Data Center Uptime



### People

Invest in our people, create an inclusive place to work so everyone can perform at their highest level. While being a good neighbor in the communities where we are present. Sustainability is not achieved in isolation but through collaboration

#### SDGs



#### KPI

- Business Ethics & Integrity
- Diversity & Inclusion
- Non-Discrimination
- Health & Safety



### Planet

Committed to perform carbon, water and waste neutral as of 2030. By employing new technologies and leveraging EdgeOS to reduce less travel to data center locations across the globe

#### SDGs



#### KPI

- Electricity Purchases
- Renewable Energy
- Power Usage Effectiveness
- Climate Impact & Resilience
- Scope 1, 2 and 3 GHG Emissions
- Water Withdrawals (portable)
- Water unitization efficiency
- Waste and Waste Diversion



# Strategy Progress

Our world faces challenges from climate change, decreases in biodiversity, and inequality. As a purpose-driven organization with an ambitious growth path, we want to take urgent action to address these challenges. Therefore, we have taken the first steps in data gathering and started the first initiatives to make our employees more conscious of sustainability in their day-to-day activities. This was done to ensure that we observe behavioral changes so our employees include sustainability in their day-to-day decision making. In 2021, EdgeConneX also focused on becoming a more diverse and inclusive company. To achieve these goals, we have implemented training on anti-harassment and bias workshops, so people are more

conscious of their behavior. In 2021 we have continued down this path, by creating diversity groups such as WomenConneX.

These steps will only be further accelerated by the example and guidance of EQT Infrastructure, our new owner since November of 2020. EQT has ambitious targets for sustainability that as EdgeConneX we want to outperform. We want to become the top performing sustainability company holding in their portfolio. As an example EQT have set the goal that 40% of their portfolio companies align with SBTi. EdgeConneX wants to be one of their most ambitious portfolio companies.

Our 2020 Achievements	SDGs	Our Contribution	Our 2025 Commitments	Progress
Hired 2 employees from our Capstone project		We provide mentors and work experience to our capstone students in the data center industry so they can position themselves for a sold career.	Expand the capstone project internationally and hire 5 employees a year from there by 2025.	On Schedule
In 2021 all our data centers are powered by 100% renewable energy		In 2021 we want all our data centers, including PuE to be powered by 100% renewable energy.	Making sure that we no longer offset, but ensure that our renewable power purchases match our consumption on an hourly basis.	On Schedule
LTIR of 0.4		We foster a safe working environment globally where everyone can return home after a day's work.. We ensure that in our projects everyone has the tools and training to execute the job safely and properly.	Half our LTIR from 0.4 to 0.2 cases with absence every 200.000 worked hours, including contractor performance on our projects.	Behind schedule, we had a number of time off injuries in LATAM. This reemphasizes the need to further our efforts on safety education and safe work practices in new data center markets.
>20% growth capacity		Our customers acknowledge our successful data center operation model. We need to ensure that the unparalleled growth path is continued down a sustainable path.	Triple our installed capacity base while lowering out carbon intensity by 20% in 2025 and by 42.5% by 2030.	On Track
Our first projects are now in progress. For our new AMS06 data center we are creating wetlands to ensure local flora and fauna can thrive		Our data centers need to contribute to their environment by increasing biodiversity. T hese need to be a haven for flora and fauna.	All our new data centers have a landscaping plan, created by an ecologist.	On Track

## Forward looking strategic projects

We are investing in several key technology verticals to align with our and our customers' business drivers. One such vertical is sustainability, in close alignment with our customers' pledges around 24x7 carbon-free energy and water use. Specifically, ECX is working on:

### 1. 24x7 carbon-free energy (CFE):

24x7 Carbon-free energy is widely accepted as a crucial step towards decarbonizing our electricity grids.

ECX, in partnership with leading-edge software providers, is piloting a 24x7 carbon-free energy solution for our Houston data center. We have set aggressive targets whilst baselining against the Texas grid and aim to roll this program out across our fleet in the coming years.

### 2. World-class power usage effectiveness (PUE) with zero water consumption

We have developed rigorous analytical approaches that demonstrate the value of new, high-efficiency approaches to compression cooling, allowing to deliver world-class PUEs without the use of water. We are working to productize these solutions in the form of modular cooling plant architectures with global deployability.

### 3. Zero-carbon standby power:

ECX is investing R&D effort in studying the integration of zero-carbon sources of standby power. Battery energy storage systems (BESS) and hydrogen fuel cells are some technologies that show tremendous promise, as the industry is beginning to demonstrate.

### 4. Reducing the impact of our Scope 3 emissions profile

ECX is actively investigating alternates and mitigations for carbon-intensive materials such as concrete, which is responsible for approximately 8% of global CO2 emissions. We believe that it is critically important to examine our entire supply chain and put in place approaches for reductions in carbon intensity in the same.

### 5. Continuous improvement of existing sites

Our operations teams continue to work with data and sensors to reduce the PuE of our existing sites. This shows our continues commitment. EdgeConneX continue to look at ways how to reduce the water consumption of our sites, especially the water colled ones (AMS02/03 and SVC01). In Amsterdam the move is away from potable water to surface water.

### 6. Refrigerants and insulation gasses

EdgeConneX's cooling equipment requires a lot of refrigerants. At the same time most refrigerants have a large GWP (GHG Warming Potential) more than 2.000. To reduce the effect of leakages as well as to combat emissions during the manufacture, EdgeConneX is reevaluating the refrigerants used in our cooling systems and to use refrigerants with a GWP of <675 in line with the EU Taxonomy. The same applies to insulation gasses in switchgear where we are evaluating options that consider non -SF6 insulating gasses.

### 7. Data center design

In 2021 EdgeConneX reevaluated its data center design, creating a more standardized approach. In the previous year's, our data center designs became increasingly custom. At the same time supply chain distress made us reconsider that approach and to create a design that moves away from product and vendor lock-in and using more standard components. Eventually this will contribute to our sustainability as well, as we can select vendors with better sustainability and product performance.







ECX believes that our investments in R&D will enable us to deliver the most sustainable solutions to our customers.



# 6. Our Value Creation

## Creating Long Term Value

At EdgeConneX our strategic priorities aim to address the global growth for digitization, cyber security, and digital services, while contributing to the achievement of the UN Sustainable Development Goals (SDGs). With our purpose to extend the reach of the internet and deliver content, cloud services, connectivity, and applications rapidly and securely we create long term value beyond our financial performance. EdgeConneX creates value through financial, environmental, and social resources. Our activities and our way of doing business have a significant impact on customers, employees, and society at large. This to ensure that we take action to minimize and mitigate these.

Input	Output	Outcomes
<div><b>Team members</b> We have over 202 colleagues in 13 countries</div>	<div><b>Customers</b><ul style="list-style-type: none"><li>■ 0 data security and privacy breaches</li><li>■ 100% Uptime</li><li>■ 0 Customer Churn</li><li>■ Over 10 new customer propositions</li></ul></div>	<div><b>Customers</b><ul style="list-style-type: none"><li>+ We focus on securely storing customer data and enable new technological advancements</li><li>- Ensure against privacy/ security breaches</li></ul></div>
<div><b>Trusted suppliers, partners, &amp; customers</b> Strong relationships with over 60 partners that help us increase our impact, working with ~ 130 customers</div>		
<div><b>Natural resources</b> 852,920 MWh purchased electricity: electricity consumption is offset by renewable energy credits, 225 m3 diesel (excluding commissioning), 176,763 MWh natural gas</div>	<div><b>People</b><ul style="list-style-type: none"><li>■ 29% gender diversity in the mgmt. team</li><li>■ 0 injuries</li><li>■ 100% ethics &amp; anti-corruption training</li><li>■ 0.49 LITR (including contractors &amp; construction)</li></ul></div>	<div><b>People</b><ul style="list-style-type: none"><li>+ We are a diverse and inclusive employer</li><li>+ We reward people fairly for the work they do</li><li>- Limit health and safety incidents through safety protocols</li></ul></div>
<div><b>Financial resources</b> We invest in our people and data centers for the long term</div>	<div><b>Planet</b><ul style="list-style-type: none"><li>■ 1.27 Power Usage Effectiveness</li><li>■ 99,916 tonnes scope 1 &amp; 2 CO2e</li><li>■ 737,608 tonnes scope 3 CO2e</li><li>■ 96,094 m² water withdrawals</li><li>■ 1,139 metric tonnes of waste (359 tonnes recycled)</li><li>■ 36+ MW IT installed</li></ul></div>	<div><b>Planet</b><ul style="list-style-type: none"><li>+ We contribute to increase in biodiversity</li><li>+ We work with our customers to develop solutions to reduce our carbon footprint and waste</li><li>- Our water use, waste production, energy use and greenhouse gas emissions negatively impact the planet</li></ul></div>
<div><b>Assets</b> 50+ data centers across 4 continents &amp; 40+ markets</div>		

Source: 2021 data

Source: 2021 data

# Business Model



By identifying our positive and negative impacts, we can better evaluate the financial, social, and environmental effects of our business. This enables more effective and efficient decision making and gives a holistic view on our most prominent risks and opportunities. It also provides further transparency to our stakeholders on our company annual performance.

# 7. Risks and Opportunities

Taking risks is an inherent part of entrepreneurial behavior. But by following appropriate risk management processes our leadership can evaluate risks and impacts in a controlled manner.

At EdgeConneX, risk management and controls are designed to provide the appropriate assurance that strategic and financial business objectives are met by integrating management controls in our daily operation and in future data center developments. This ensures compliance with legal requirements and safeguarding the integrity of our company's financial reporting and related disclosures.

## Our Risk and Control Framework

The components of our risk and control framework are listed below:

- 1. Corporate Governance
- 2. Business Control Framework
- 3. Integrity Code / Code of Conduct

Acting with integrity is the cornerstone for the success of EdgeConneX and a key part of our core values. Acting with integrity means making the right choices when faced with ethical dilemmas and holding ourselves and each other to higher standards of behavior. Our code of conduct has been adopted by our leadership and applies to all EdgeConneX employees globally and to its controlled subsidiaries.

To increase the level of awareness and to create engagement of our employees, all employees receive yearly training through the Rise platform, with criteria defined to ensure that each employee understands the contents of the training. In case of ethical dilemmas where additional guidance is required, employees are referred to their local HR person for guidance. The HR representative will take further action when needed.

The Code of Conduct is supported by mechanisms that ensure standardized reporting, escalation and investigation of concerns. These can be found in our Employee Handbook. It urges employees and third parties to report any concerns they may have regarding business conduct in relation to our Code of Conduct. All concerns raised are registered and investigated according to standardized investigation procedures.

With regards to risk identification, we use both internal and external resources to assess potential impacts. For financial and corporate decision-making, we often hire a third party to create the risk assessment for us. For our own construction and operation teams we use our own designated employees to carry out risk assessment and manage the risk registers. For every risk identified a mitigation measure has to be devised and implemented. Depending on the project these risks are reviewed and reassessed weekly, bi-weekly or monthly. .

## Key risks:

Risk management at EdgeConneX focuses on the following risk categories: Strategic, Operational, Financial and Compliance risks. The risk appetite varies across the risk categories.

Please see examples below and on the following page.

Risk	Description	Mitigation Actions
Moratoriums	<p>Although people around the world use more digital services, we see an increase in local resistance against data center projects. In part because they lay claim to a lot of transport capacity and on the other hand because they use a lot of renewable energy. We expect to see an ever increasing amount of permitting moratooriums for data centers.</p> <p>This resistance against data centers is also becoming more organized and harder to mitigate. It is increasingly difficult to design and develop plans that do justice to concerns.</p>	<p>As seen in Amsterdam and Dublin, EdgeConneX started early to take these issues seriously, by investing in plans that take these concerns seriously. Limiting the size of new projects, have an outstanding landscaping plan in place and ensuring early on with the grid providers that there is sufficient transport capacity available.</p> <p>In the site selection we are also more conscious than ever to select sites that already have industrial zoning present.</p>

Risk	Description	Mitigation Actions
Supply Disruption	Since the COVID-19 pandemic started EdgeConneX has seen increased delivery times for new equipment and equipment that is in production. The current supply chain woes are no longer impacted by COVID-19 factory closures but by lack of component and materials to make the equipment themselves.	<p>EdgeConneX is combatting these issues by making commitments earlier and ensuring that our contractors order their parts and materials on time as well. So, they have them in hand when production starts to meet our timelines.</p> <p>Furthermore, we have engaged more closely with vendors to track the production process in greater detail, so we are aware of delays earlier and have reevaluated our design to use more standard products.</p>
Cyber Attacks	Our data centers are at the heart of our customers' operational processes and form the backbone of the digital economy. That means that we are a continuous target for people and organizations with malicious intent. A successful cyber-attack can have devastating consequences, resulting in operational disruptions on our and the customer side. A cyber-attack could furthermore result in a data breach where sensitive, protected, personal or confidential data held by EdgeConneX is leaked or stolen.	<p>We have established a security board where corporate security strategy is approved and monitored. We also have 3 global Network Operating centers (NOCs) and a global presence of IT staff that can be activated at any time to combat a cyber-attack.</p> <p>IT security measures are in place to prevent, detect and respond to attackers gaining access for malicious purposes. Business continuity plans are in place in the event of non-availability of IT systems.</p>
Acquisitions and integrations	<p>Acquisitions are an important part of EdgeConneX's growth strategy. These acquisitions are focused to grow the company, get access to new markets and or require new complementary capabilities.</p> <p>Acquisitions always entail an integration risk. Which in turn can result in (cost) synergies, strategic advantages and economies of scale being delayed or not fully realized.</p>	<p>EdgeConneX stresses the importance of any potential acquisition to match its business model and strategic direction. In the due diligence process, it makes sure to involve the right people from the organization considering all aspects of the business.</p>
Climate Change/ Regulation	<p>The impact of climate change can generate challenges for EdgeConneX. EdgeConneX expects that the continued attention to climate change from all sectors of society will lead to increased regulation to reduce Greenhouse Gas (GHG) emissions and adopt more energy-efficient solutions.</p> <p>This can mean that it will become more difficult to develop new datacenters in certain markets, markets where a high customer demand might be present. Inability to meet customer expectations in these markets can adversely affect EdgeConneX's reputation and brand.</p>	<p>As part of our sustainability program EdgeConneX is taking measures to combat climate change.</p> <p>EdgeConneX is committed to fulfil any regulation requirements in the markets where it is present or where it will be present as it is part of a level playing field. Consequently, energy efficiency and circularity will be an import aspect of our new products and data center designs.</p>
Availability of skilled personnel	<p>As EdgeConneX continues to expand its business it looks to hire more personnel However EdgeConneX sees a mismatch between our demand for technically skilled people and the supply from the labor market.</p> <p>This not only applies to EdgeConneX but to our vendors and other contractors as well. So the problems are compounded along the value chain, creating increasing difficulties to fulfill our SLA's and our customer contracts.</p>	<p>The Capstone project is one of the tools we want to uset to mitigate the scarcity of technical skilled employees. Furthermore, we are spending a lot of time and effort to train people that have a technical interest for jobs at EdgeConneX.</p> <p>Finally we continue to standardize our work and data center solutions to reduce the need for high-skilled datac enter technicians and engineers.</p>



# 8. Key Governance

## Description of anti-corruption and bribery

EdgeConneX is committed to complying with applicable anti-corruption and bribery laws. Employees are required to review and acknowledge the EdgeConneX Anti-Corruption and Bribery Policy when they are first hired and then periodically during their employment.

The policy is intended to provide employees with a level of awareness and guidance about certain applicable anti-bribery laws in order to prevent inadvertent violations and to recognize potential issues in time for them to be addressed appropriately. EdgeConneX is committed to conducting all of our business in an honest and ethical manner. We take a zero-tolerance approach to bribery and corruption and are committed to acting professionally, fairly and with integrity in all our business dealings and relationships wherever we operate and implementing and enforcing effective systems to counter bribery and corruption. As part of this system, we will provide our employees with regular training on various anti-bribery laws and their applicability to the company's operations and will include legal language in all relevant contracts to assure that our customers and vendors comply with applicable anti-bribery laws. Failure to comply with this requirement may result in disciplinary action up to and including termination.

## Whistle blowing channel

A whistleblower is an employee or external parties of EdgeConneX who reports an activity that he/she considers to be illegal or dishonest to one or more of the parties specified in this Policy. The whistleblower is not responsible for investigating the activity or for determining fault or corrective measures; appropriate management officials are charged with these responsibilities.

Examples of illegal or dishonest activities are violations of federal, state or local laws; billing for services not performed or for goods not delivered; and other fraudulent financial reporting.

If an employee has knowledge of or a concern of illegal or dishonest fraudulent activity, the employee is to contact his/her immediate supervisor or Human Resources. The employee must exercise sound judgment to avoid baseless allegations. An employee who intentionally files a false report of wrongdoing will be subject to discipline up to and including termination.

Whistleblower protections are provided in two important areas -- confidentiality and an anti-retaliation policy. Insofar as possible, the confidentiality of the whistleblower will be maintained. However, identity may have to be disclosed to conduct a thorough investigation, to comply with the law and to provide accused individuals their legal rights of defense. EdgeConneX will not retaliate against a whistleblower. This includes, but is not limited to, protection from retaliation in the form of an adverse employment action such as termination, compensation decreases, or poor work assignments and threats of physical harm. Any whistleblower who believes he/she is being retaliated against must contact Human Resources immediately. The right of a whistleblower for protection against retaliation does not include immunity for any personal wrongdoing that is alleged and investigated.

All reports of illegal and dishonest activities will be promptly submitted to Human Resources who is responsible for investigating and coordinating corrective action.

EdgeConneX is committed to conducting all of our business in an honest and ethical manner

# 9. Outlook

While COVID-19 and increasing supply chain challenges continue to be a major topic of discussion and present major concerns to our business and many others, climate change and sustainability cannot be overlooked. Climate challenges will have an impact on how we live far beyond the COVID-19 pandemic. The time for climate action is now, and according to the latest climate information we are already deviating from the path limiting climate change to a 1.5-degree Celsius temperature increase. This even foregoes any other measures taken on diversity & inclusion and biodiversity.

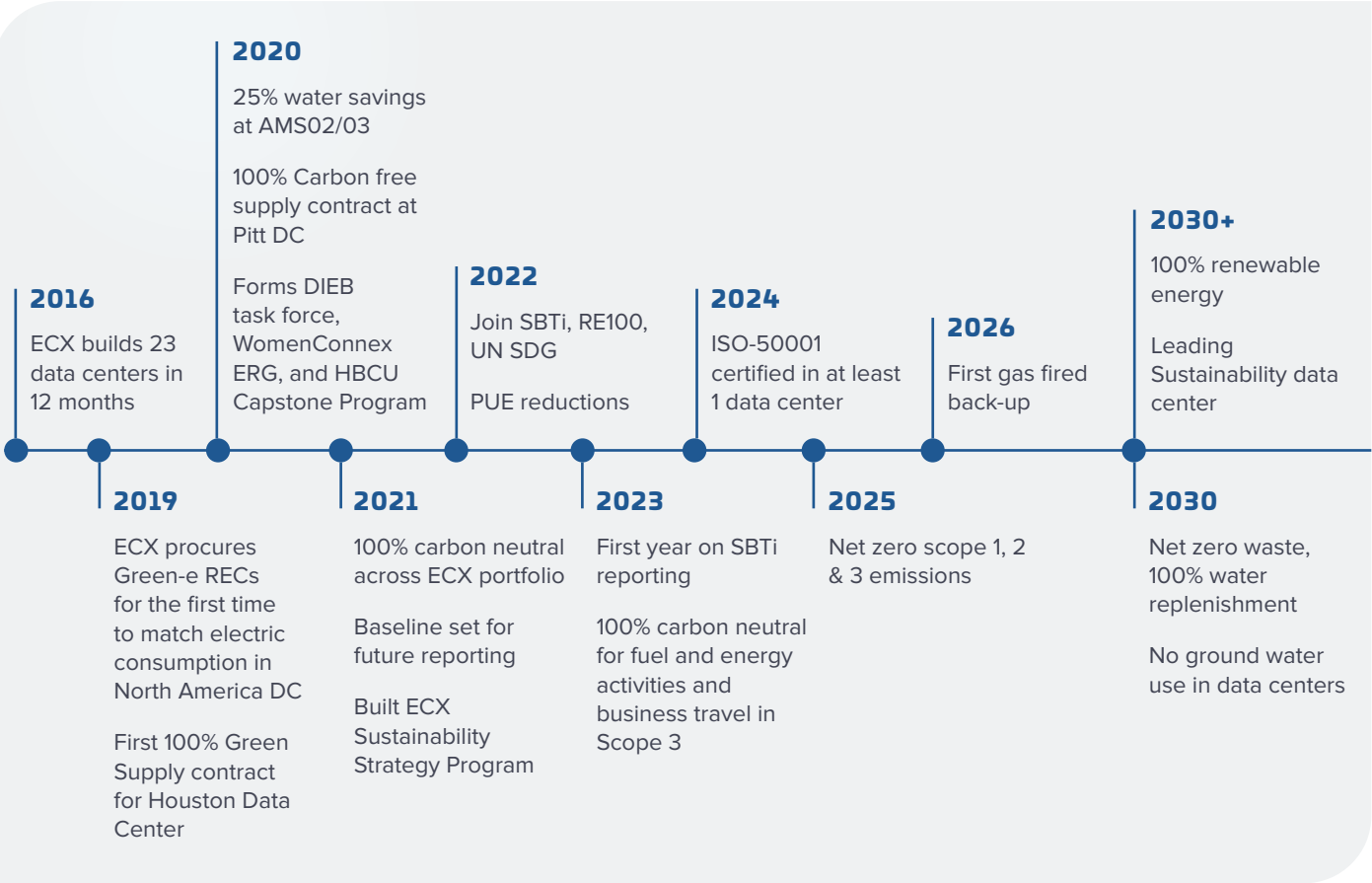
In order to do our part over the next two years, 2022 – 2023, EdgeConneX will focus on the following:

- Join RE100, a global reporting agency that tracks companies progress towards 100% renewable usage
- Start the procedure to join the SBTi
- Formally underwrite the UN Global Compact Ten
- Start buying carbon offset credits to offset our scope 1 and scope 2 emissions and develop a guidance up to 2023 how EdgeConneX will ensure that it buys high-quality carbon offsets
- Adopt and strengthen existing policies to promote diversity, inclusion, and employee wellbeing
- Have a global EdgeConneX LTIR below 0.4 including contractors and achieve 0.2 by 2030
- Adopt a policy to establish sustainable procurement and start to audit our suppliers
- Execute our strategy to 24x7 CFE, including all standby sources of power for one of our data centers
- Coordinate with our customers to ensure both EdgeConneX and our customers report on Scope 2 and Scope 3 emissions correctly
- Work with customers to see if they want EdgeConneX to procure renewable power or renewable energy credits to help them offset their carbon emissions
- Increase monitoring of water use, not only for cooling but for humidification in data centers
- Adopt a green finance framework and continue forward to (re)finance our projects underneath these structures
- Obtain ISO:14001 certification for some of our data centers worldwide
- Implement a policy that presents a clear strategy on purchase of carbon offsets to ensure only quality offsets are bought, reducing our global CO2 emissions

Finally, EdgeConneX plans to reach out to its customers in the future years to better coordinate activities placing a growing emphasis on sustainability worldwide. Part of the reason for the outreach is to collaborate towards a common definition for sustainability and common metrics and measurement methods. EdgeConneX wants to play a role with our different suppliers and customers and create a single or more uniform reporting framework so that in the future reporting consistency can be across the value chain.



Milestones and Key Initiatives



In alignment with some of our largest customers’ mantras, we will act in accordance with what we believe needs to be done to become Net Zero by 2030, and may go beyond what laws and regulations require us to do, if we deem it necessary.

In alignment with some of our largest customers’ mantras, we will act in accordance with what we believe needs to be done to achieve net zero Greenhouse Gas (GHG) emissions and 100% renewable energy by 2030 and may go beyond what laws and regulations require us to do, if we deem it necessary.

Finally, in 2022 we received, based on our 2021 results, an EcoVadis Platinum Award for our EdgeConneX Netherlands data centers. This was a significant achievement as it was an increased basis from our previous silver award. EcoVadis Platinum award shows that the strategy and implemented changes that we made in 2020 is starting to yield great distinguishing results. In 2022 we will be rated on the group level in the EcoVadis platform. EdgeConneX is looking forward to obtaining the results and continuing to improve our sustainability performance in the years to come.

The pathway supports our vision of net zero carbon water, and waste with 100% renewables by 2030





