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Zero-Emission
All-Electric Vehicle

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Our commitment to sustainable logistics

FedEx is committed to delivering a more sustainable future through our business operations, and for our customers, team members and communities. By working alongside nonprofits, academics, and local leaders around the world, our FedEx Cares team is investing in bold new ideas and community-focused solutions meant to benefit everyone.

We support three priorities through our Sustainable Logistics giving:

Green Infrastructure



Lead the logistics industry in creating access to more low- and zero-carbon technology;

Urban Mobility



Scale innovative solutions to reduce pollution, noise, and congestion in the world's fastest growing cities;

Natural Environment



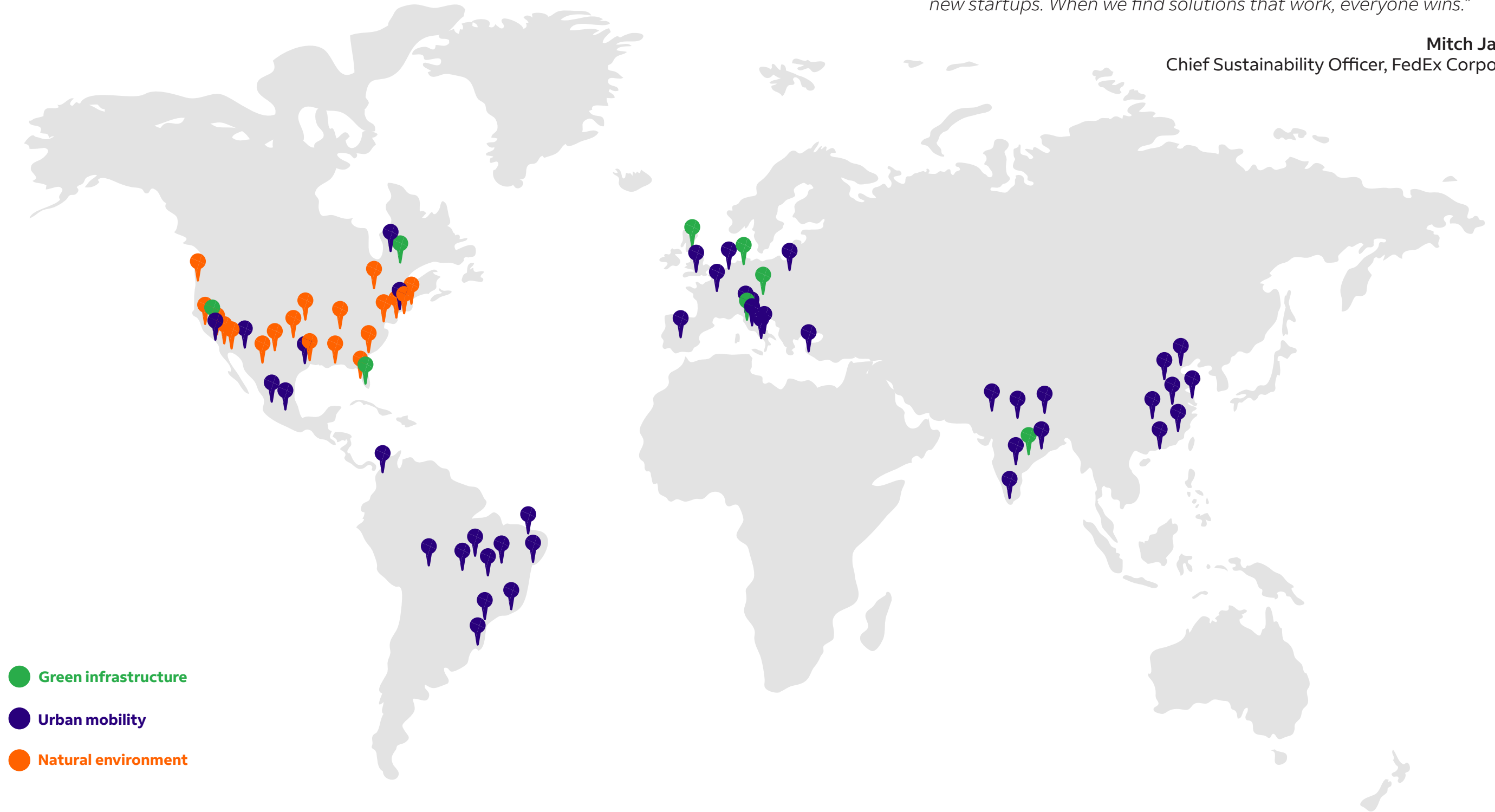
Research strategies to reduce and capture significant amounts of carbon through projects that restore and protect the natural environment.



Our global portfolio

“Sustainability is a team sport. Our strategy relies on close collaboration with peers across our industry, with our suppliers, with experts, and bold new startups. When we find solutions that work, everyone wins.”

Mitch Jackson
Chief Sustainability Officer, FedEx Corporation



Green Infrastructure

Launching the next generation of sustainable vehicles, decarbonizing buildings and businesses takes bold innovation and relentless effort. Through relationships with nonprofits such as RMI, Generation180, EIT Digital and Repowering Schools, FedEx is helping incubate and accelerate solutions that move us closer to a more climate-friendly future.

**BC
CCC** | BOSTON COLLEGE
**CENTER FOR
CORPORATE
CITIZENSHIP**
CARROLL SCHOOL OF MANAGEMENT

FedEx won the 2022 Boston College Center for Corporate Citizenship Innovation Award in the Eco-Innovator category for our work with RMI and Third Derivative





Creating a global, equitable transition to electric vehicles

In the U.S., RMI is conducting extensive research into how communities can effectively shepherd an inclusive and equitable shift to electric transportation. With thought leadership and financial support from FedEx, RMI is assembling a coalition of stakeholders to create a blueprint for the public charging network necessary to align with a 1.5 degree Celsius future, and that addresses hurdles to ensuring all families, regardless of income or neighborhood, have access.

In India, FedEx is supporting the NITI Aayog- and RMI-launched Shoonya campaign to put the final-mile delivery sector on a pathway to 100% electrification. The work also includes building awareness and irreversible demand for zero pollution delivery and ride sharing in Indian cities.



Climate tech accelerators

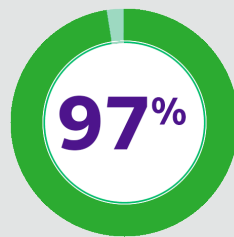
Bringing emissions-reducing technology to market is complex, expensive, and takes time. To help some of the world's most promising start-ups get the support and resources they need to accelerate high impact solutions, FedEx is working with RMI, EIT Digital, and EIT Climate-KIC.

With RMI's leadership, FedEx is supporting Third Derivative (D3), a climate tech accelerator for startups addressing the emissions challenges for harder-to-abate sectors of the economy.



RMI's Third Derivative has incubated 62 climate tech startups across energy, transport, carbon capture and materials industries to date.

97% of startups say D3 has "significantly helped their startup."



44%

27%

44% of D3 cohort startups have at least one founder who identifies as a person of color, compared to 27% industry-wide.

42%

17%

42% of D3 cohort startups have founders who identify as female, compared to 17% industry-wide.



37 startups have secured additional **\$343M** in funding since joining the cohort.

In Europe, FedEx is collaborating with the largest EU Climate and Digital initiatives, EIT Climate-KIC and EIT Digital. We are supporting the NetZero Climate Impact Challenge, an open call to innovators, entrepreneurs, start-ups, small businesses and nonprofits developing pioneering new solutions in the areas of green infrastructure and low-carbon transport and logistics. Top projects will receive acceleration support including mentoring, technical assistance, support for rapid deployment, and connection to European city leadership looking for new solutions to reach net zero.

Third Derivative climate startup spotlight: Three Wheels United

Third Derivative supports underrepresented and diverse startup founders who have solutions for underserved markets, especially those in communities most vulnerable to climate change. Founder Cedrick Tandong leads Three Wheels United to provide efficient financing for light electric vehicles in India. To date, the Bangalore-based company has put 2,500 vehicles on the road, with a default rate of less than 1%. Meet Raghu, Jagadeesh and Basavaraj - drivers who have grown and improved their businesses with the help of Three Wheels United.



"I hope this sets an example for other drivers to follow and help contribute towards the green revolution in Bengaluru." - Raghu N.

"I had a dream to drive an auto, but I didn't have the money to own and worked as a garment worker. Now I'm living in good conditions, I can pay my childrens' school fees, and I don't have money issues anymore. I'll never forget Three Wheels United." - Jagadeesh K.



"Thanks to Three Wheels United, I have improved my income while managing to repay my auto rickshaw loan without hassle and being able to take good care of my family." - Basavaraj O.



Accelerating schools' transition to renewable energy

Together with Generation180, FedEx is helping increase public school adoption of solar energy, which lowers energy costs and boosts student learning and career readiness. We are also supporting the first National Clean Energy Schools Symposium to convene school, climate, municipal, and business leaders to advance clean energy in K-12 schools.

"Generation180 and Fedex share a vision for inspiring others to act more sustainably, and FedEx's support will enable us to significantly expand climate action at the community level. This will help spur the growing movement of schools making the switch to clean energy."



Tish Tablan
Program Director, Generation180



At the university level, FedEx and nonprofit REpowering Schools created a research program to teach students the fundamentals of wind turbine testing, evaluation, and validation. Applying schools receive small-scale wind turbines and associated testing equipment for a hands-on experience. FedEx Ground has also donated more than 25 larger-scale wind turbines for university research.



Credit: Brent Summerville

Urban Mobility

Sixty eight percent of the world's population will live in urban areas by 2050, compared with 55% today. With e-commerce continuing to surge, more and more packages will need to move through cities each year. Alongside nonprofits like World Resources Institute, C40 Cities, and Global Alliance of NGOs for Road Safety, FedEx is working on sustainable urban development solutions that reduce pollution, noise and congestion in the world's fastest growing cities.



Credit: WRI Brazil



Helping cities create the bus systems of the future

The World Resources Institute (WRI) is helping mega cities accelerate residents' transition from private cars to high quality, sustainable public transportation solutions. Concentrated research and pilot activities have scaled to support more than 50 cities and 13M+ people to date. Projects have led to more reliable commutes, less congestion, safer practices and avoidance of over 820,000 metric tons of CO².

Some of our recent projects include:

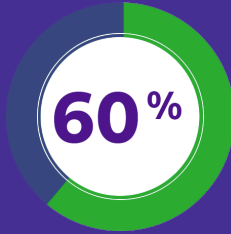
- **Sharing best practices in Brazil:** Through the QualiÔnibus best practices network, WRI Brazil helps cities share approaches to increase ridership and sustainable practices. Examples include low-cost safety solutions like “blind spot” stickers that substantially reduce collisions and increase rider confidence, and new revenue models that raise funds for new electric bus fleets.
- **Accelerating sustainable transport in China:** WRI piloted an on-demand mobility app in China’s two most populous cities: Beijing and Guangzhou. The app helped more than 10 million users reduce CO² emissions by 100,000 tons and helped 21% of users switch from private automobile to a sustainable transport mode.
- **Deploying post-pandemic incentives in India:** In response to significant decreases in ridership due to the pandemic, WRI-India helped incentivize a safe return to public transit through a contactless ticket system. Used by 800,000 customers in its first year, the initiative helped the city regain more than 45% of pre-pandemic ridership.



820,000 tons of CO² avoided



13M people benefited



60% fewer collisions at bus terminals in Brazil



17% increase in ridership and 19% increase in bus operators' earnings in India

Credit: WRI-Brazil

“Route rationalization work in the rural area around Najafgarh in Delhi made bus services more reliable and in sync with travel demand of passengers. The numbers speak for themselves. This pilot is setting an example that can be scaled up and adapted in other cities.”

Anupama Saha

Senior Manager, Delhi Integrated Multi-modal Transport System Ltd. - India

Contributing to a green and just urban future

Reinventing Cities is a global competition led by nonprofit C40 Cities to stimulate sustainable development and celebrate innovative solutions to environmental urban challenges. FedEx support is helping C40 expand Reinventing Cities to several new locations globally, and to re-launch its sister initiative, Students Reinventing Cities in 10 new locations.

Reinventing Cities invites teams to reimagine how underutilized city sites can be transformed into beacons of sustainability and resilience. Past winning projects include the first carbon-negative building in Milan (a project that is expected to create 30,000 jobs); the conversion of an old fire station into a community center that will reduce energy demand by 40% in Singapore; and the transformation of a former Houston, TX landfill into the largest urban solar farms in the U.S.

“The QualiÔnibus network delivers the opportunity to share solutions for the many challenges faced by most cities nowadays. . . Now, thanks to the exchanges that it stimulates, Belo Horizonte is replicating this good practice.”

Caleb Bastos

Cost Division Coordinator, Fortaleza Transit Agency - Brazil



Credit: WRI India



“Whether replacing motorized vehicles for our own carbon neutral deliveries, or private cars for personal daily needs, cargo bicycles drive down the environmental impact of transport. SCAP, which will make cargo bicycles more accessible for public use, has the potential to deliver sustainability benefits for everyone.”

David Canavan
Chief Operating Officer, FedEx Express Europe

Promoting cargo bikes for all

Safer Cycling Advocacy Program (SCAP) is a collaboration between the Global Alliance of NGOs for Road Safety, FedEx Express Europe, and the European Cycling Federation (ECF) to promote and improve the safety of cycling. Cities including Poznan, Poland, Valencia, Spain, and the region of Puglia, Italy, introduced small fleets of public shared use cargo bicycles to encourage a transition from private vehicles to zero emissions bicycles. Based on successes in these cities, FedEx helped scale the project to Latin America, including locations in Mexico, Colombia and Brazil.

“To achieve the 2030 Sustainable Development Agenda, it’s critical to promote a shift towards safer and more sustainable transport modes.”

Lotte Brondum
Executive Director, Global Alliance of NGOs for Road Safety

Turning research into real solutions

FedEx supports Natuur & Milieu in the Netherlands and CALSTART in the U.S. to find new solutions for more efficient, safe and sustainable urban transport. CALSTART released Beyond the Curb NYC, a study showcasing zero-emission commercial environments and recommending delivery strategies that reduce congestion and emissions in the most populated U.S. city. CALSTART also developed an interactive web tool, Delivery FLEET, that quantifies the benefits of zero-emission last mile solutions.

In the Netherlands, Natuur & Milieu are supporting three research and advocacy projects related to: transport mechanisms for urban small businesses in response to zero emission zones; community charging infrastructure; and sustainable aviation fuel (SAF).



Natural Environment

In the long term fight against climate change, we believe we must look at reducing new emissions entering the atmosphere and sequestering excess carbon. FedEx is investing in both, through research and testing of new circular economy approaches, support for tree equity in urban areas, and transformative investment in natural carbon capture.



Breaking new ground in natural carbon capture

Aviation is responsible for 12% of carbon emissions from transport each year, but changes in airplane operation and design, and the use of sustainable aviation fuel (SAF) cannot yet reduce emissions to the levels needed to slow climate change.

Bold new approaches are needed, so FedEx turned to scientists at Yale, who will research solutions to accelerate carbon capture based on the earth's natural processes. By innovating within nature, the Yale team believes natural carbon capture can sequester 1Gt of carbon per year – equivalent to the annual emissions of the entire airline industry.

To make this vision a reality, FedEx invested \$100M to help establish the Yale Center for Natural Carbon Capture.

The Center will conduct research and create solutions in three areas:

Biological and ecological capture



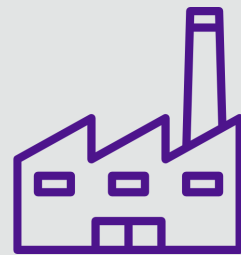
Strategic conservation and restoration of natural systems and ecosystem-based land management.

Geological and ocean capture



Using weatherable rocks which cover more than two-thirds of the Earth's surface, including the sea floor, as a long-lasting sink for carbon.

Industrial capture



Removing carbon dioxide from the atmosphere by turning it into fuels, plastics, and building materials



FedEx and One Tree Planted support tree equity across the U.S.



Supporting tree equity in the US

The benefits of trees are not distributed equally across the US, especially in communities with lower incomes and higher populations of traditionally underserved individuals. FedEx and One Tree Planted are collaborating to increase tree equity - meaning ensuring that the health and environmental benefits trees provide are accessible to all - in 220 cities in the US with low tree equity scores. Through tree planting projects, we will engage team members across the country, and plant over 2,500 trees that will remove over 1 million pounds of CO2 from the atmosphere*

*Carbon estimate based on 20-year timeframe at 22 pounds per tree annually

33%

Communities of color have **33% less tree canopy** on average than majority white communities.

41%

Neighborhoods with higher poverty rates have **41% less tree canopy** than wealthier neighborhoods.

23

FedEx and One Tree Planted will plant trees in **23 locations** in the U.S. with low tree equity scores.

1.1M

Our work has the potential to remove **1.1 million pounds of CO²** over the lifetime of the trees we plant

An industry blueprint for reverse logistics

FedEx is working with PYXERA Global to identify new solutions for a more circular economic system. Focusing specifically on reverse logistics, FedEx and Pyxera are convening business and community stakeholders to create a knowledge hub and design a pilot program to identify approaches that can be replicated and scaled across the industry.

