



# SUSTAINABILITY ROUND-UP

JAN – MAR 2022



## FROM THE GROUP CSO'S DESK



**SIDDHARTH SHARMA**  
Group Chief Sustainability Officer,  
Tata Group

Dear colleagues,

I am pleased to share the sustainability round-up of the first quarter of 2022 (January – March). As we stepped into a new year with renewed hope, each one of us brought the very best of ourselves back to work and continued to add value to our work, colleagues and workplaces.

This newsletter brings to you the latest happenings and innovations in the field of climate change and sustainability at large. The highlight of this issue is the Intergovernmental Panel on Climate Change (IPCC's) sixth Assessment Report (AR6) which drew attention to the immediate actions required to stave off the extreme impacts of unbridled global warming. At the Tata group, we understand that changing course will require ambitious and concerted efforts. Tata companies across the globe have accordingly been at the forefront of efforts to slash emissions, build resilience, conserve and restore ecosystems as well as focus on adaptation moving forward.

In March, we also launched the 17<sup>th</sup> edition of Tata Volunteering Week, the event-based volunteering format, where Tata employees, their family members and Tata retirees come together to engage with communities by contributing for causes that need attention. This edition witnessed thousands of Tata volunteers, contributing their time to give back to the society, the Tata way!

I hope you will enjoy reading this volume of the round-up. Please feel free to write to us with your feedback at [tatasustainabilitygroup@tata.com](mailto:tatasustainabilitygroup@tata.com)

## TATA NEWS

### TATA STEEL



#### **Tata Steel transports finished steel in LNG-fuelled trailers in India for the first time**

- The vehicles aim to ferry around 1,000 metric tonnes of the product. LNG vehicles don't emit sulphur dioxide, and their NOx and greenhouse gas emissions are up to 85 percent lower than vehicles that run on other fuels.

[Read more >>](#)

**Tata Steel Kalinganagar onboards 12 transgender employees as Crane Operator Trainees** at its Kalinganagar plant. [Read more >>](#)

**The Green School**, a joint initiative of Tata Steel Foundation and TERI, **showcases its work on climate change-related issues at the ongoing World Sustainable Development Summit (WSDS) 2022.** [Read more >>](#)



## TATA POWER

**Tata Power and Social Alpha announces 'Net-Zero Industry Accelerator' for clean energy transition**, which will prioritise high emissions sectors and will co-create an innovation ecosystem for cutting-edge and disruptive decarbonization technologies. [Read more >>](#)

**Tata Power – DDL launches the IElectric-Shakti** - Tata Power – DDL along with Enedis, launched the IElectric-Shakti, a smart grid demonstrator combining solar photovoltaic technology, battery storage, smart transformer and energy management system in New Delhi. The IElectric-Shakti microgrid seeks to demonstrate how innovative solutions allow the implementation of Local Energy Communities (LEC) using local PV units and the self-consumption approach. [Read more >>](#)

### **Tata Power-DDL urges consumers to pledge to make 'Samajhdari Ki Choice'**

Through the campaign, Tata Power-DDL aims to educate its consumers about sustainable practices, energy conservation methods, benefits of smart meters, roof top solar installations, digital service options etc.

[Read more>>](#)



**Tata Power invites citizens to be climate action champions with its 'Tree Mittra' App** - and pledges to plant a tree for every app download, celebrating the power of individual potential to protect the planet. [Read more>>](#)

## Jaguar Land Rover announces 2030 sustainability targets –

Jaguar Land Rover has committed to reducing greenhouse gas emissions across its own operations by 46%, and 54% per vehicle across its value chain, by 2030. Jaguar Land Rover is aiming for net-zero carbon emissions across the supply chain, products and operations by 2039.

[Read more >>](#)



## Wrapping up the 17<sup>th</sup> edition of Tata Volunteering Week!

Thousands of Tata employees contributed their time, efforts and expertise to various social causes, reaching out to underserved communities. A range of volunteering activities were conducted by several Tata companies across cities to support non-profits, orphanages, local self-governments, schools, hospitals, villages and communities.

## RECOGNITION



**Tata Steel Mining bags Golden Peacock Award for Sustainability.** [Read more >>](#)



**Tata Steel recognised as 2021 ‘Supplier Engagement Leader’ for effectively taking actions to measure and reduce environmental risks across its supply chain.** [Read more >>](#)



**Tata Power – DDL awarded under 2 categories - Platinum Award under Best Country Award for Overall CSR Performance and Silver Award under Best Community Programme.** [Read more >>](#)

## INDIA NEWS

**India Requires \$17.77 Trillion To Meet Long Term Net-Zero Goals: Report** - The country will need \$17.77 trillion to meet its long-term net-zero goals but it will have to find additional resources worth \$12.4 trillion to complete the green journey, according to a study. [READ MORE>](#)

**India announces green hydrogen policy.** [READ HERE>](#)

**SEBI proposes framework for Environmental, Social and Governance (ESG) rating providers** – Since the activities of ESG rating providers (ERPs) are typically not subject to regulatory oversight at present, increasing reliance on such unregulated ESG rating providers in securities markets raises concerns about the potential risks it poses to investor protection, the transparency and efficiency of markets, risk pricing, and capital allocation, among others, SEBI noted. [READ MORE>](#)

**IIT researchers develop new tech for charging Electric vehicles which costs half** [READ MORE>](#)

## NEWS FROM AROUND THE WORLD

**NOW OR NEVER if the world has to stave off climate disaster...limiting warming to around 1.5°C requires global GHG emissions to peak before 2025 and reduce by 43 per cent by 2030 - The IPCC AR6 – Part III.**

[READ HIGHLIGHTS>](#) | [READ THE REPORT HERE>](#)

**TNFD releases first beta version of framework for market consultation** [READ THE EXECUTIVE SUMMARY>](#)

**Wind and solar reach milestone as demand surges** - Wind and solar generated 10% of global electricity for the first time in 2021. Fifty countries get more than a tenth of their power from wind and solar sources, according to research from Ember, a climate and energy think tank. [READ MORE >](#)

**SEC's proposal to measure companies' carbon footprints** - all you need to know. [READ HERE>](#)

**UN to forge an international, legally binding agreement to end plastic pollution.** [READ MORE](#)

**Circular 'mining' reaches for the mainstream** - Cobalt. Copper. Lithium. Nickel. Platinum. Zinc. And don't forget the rare earth elements, especially neodymium. These and dozens of other metals and minerals are critical for technologies central to the clean economy transition — especially electric vehicles. And none are in particularly abundant supply, at least not in the places where they are needed. [READ MORE>](#)

**Resale finds its second life in fashion** - When it comes to addressing the climate impacts of the fashion industry, resale sits among a suite of solutions, including rental and repair. [READ MORE >](#)

**E-bikes, the uncelebrated hero of last-mile delivery?** - When it comes to last-mile logistics electrification strategies in the next decade, two or three wheels could be as important as four. [READ MORE >](#)

**Tesla debuts glass solar rooftop tiles, which would be cheaper than installing a new roof and adding a traditional solar array** - The company also launched the Powerwall 2 domestic energy storage system, which will allow customers to store the solar power they generate onsite. [READ MORE>](#)

**Chemical Giant BASF to Offer Net Zero Products to Lower Customers' Product Carbon Footprint** - The company aims to be among the first to provide large volumes of as many products as possible with reduced carbon footprints, enabling its customers to reach their own emissions reduction goals. [READ MORE>](#)



**Starbucks Advances Plans to Eliminate Single Use Cups** - Starbucks announced new plans to provide its customers globally with reusable cup options. Starbucks has committed to become a "resource positive" company, following strategies that include shifting away from single-use packaging, investing in regenerative agricultural practices, forest restoration, and water replenishment, promoting recycling and reuse of waste, and expanding plant-based menu options. [READ MORE >](#)

**Fortum and Microsoft announce world's largest collaboration to heat homes, services and businesses with sustainable waste heat from new data centre region.** [READ MORE>](#)

**Google's new office will be heated and cooled by the ground underneath** - The company's Bay View campus will have the largest ground-source heat pump system installation in North America, using the heat from the surrounding ground to power the building's climate control—and no fossil fuels. [READ MORE>](#)



# A LIFT FOR SUSTAINABLE AVIATION



**British Airways to Begin Powering Some Flights with Sustainable Aviation Fuel** - British Airways announced that it has taken its first delivery of sustainable aviation fuel (SAF) from Phillips 66, enabling the airline to begin powering a number of flights with the fuel capable of reducing lifecycle emissions by over 80% compared to traditional jet fuel.

[READ MORE>](#)

**DHL Announces Major Sustainable Aviation Fuel Deals with bp, Neste** - DHL Express will be sourcing more than 800 million liters of Sustainable Aviation Fuel (SAF) from suppliers bp and Neste over the next five years. The new SAF supply agreements will avoid approximately two million tons of carbon dioxide emissions, equivalent to the annual greenhouse gas (GHG) emissions of 400,000 passenger cars, or 12,000 carbon neutral long-haul flights. [READ MORE>](#)

**Delta, Airbus Collaborate on Hydrogen-Powered Aviation** - The launch of a new collaboration agreement between Delta Air Lines and Airbus, will see the airline and aircraft manufacturer working together to explore the development of hydrogen-powered aviation. Climate Action 100+ outlined a series of expectations for airlines to align with the IEA's 2050 net zero scenario, including commitments to ramp the use of sustainable aviation fuels, and to limit the growth in air travel overall. [READ MORE>](#)

**FedEx will run first commercial test of an autonomous vertical take-off and landing craft in 2023** - FedEx is taking flight with Elroy Air, which makes hybrid-electric vertical take-off and landing systems for a commercial test of pilotless cargo flights between sorting centers starting in 2023. [READ MORE>](#)

## STARTUPS FOR SUSTAINABILITY



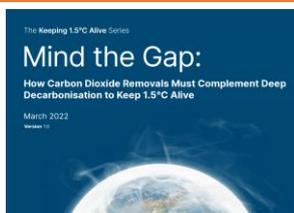
**Small fleets, meet used EVs** - Spring Free EV, focused on helping small and midsize fleet owners, is a fintech company designed to make electric vehicles more affordable. With EVInstaFleet, entrepreneurs have access to EVs through Spring Free EV's network of vehicles to rent them out for profit. [READ MORE>](#)

**What happens when plastics recycling is gamified** - Are you more likely to recycle if recycling is a game? According to ZeLoop — an Ethereum-blockchain-based platform that's gamifying recycling for 12,000 users in 140 countries. People are 10 times more likely to engage if a reward or prize is on the line. [READ MORE >](#)

**This start-up is automating supply chain links to fight e-waste** - Enter Apkudo, a company focused on supply chain automation that is trying to bridge the gaps between all of these players by improving transparency across the life cycle of

electronic devices. The startup announced a \$14.4 million growth funding round to further the growth and development of its connected device platform. [READ MORE >](#)

## RESOURCES



**Mind the Gap: How Carbon Dioxide Removals Must Complement Deep Decarbonisation to Keep 1.5°C Alive** – The Energy Transitions Commission report outlines the role of Carbon Dioxide Removals (CDR) in meeting global climate objectives. The analysis describes how CDR, alongside rapid and deep global decarbonisation, can give the world a 50% chance of limiting global warming to 1.5°C. [Read the report >>](#)



**'Recalibrating the journey ahead'** – An article by the Tata Group CSO, Mr Siddharth Sharma published in Business India's March – April edition - India Inc. Achieving Sustainable Development Goals (Pg 213). This Business India edition on United Nations Sustainable Development Goals (UN SDGs) captures the ideas and endeavours of India Inc. in aligning their priorities with the 17 Global Goals. [Read the article >>](#)



**State of Green Business 2022** - The 15<sup>th</sup> edition of the report explores the top sustainable business trends of 2022, as well as two new components of this year's report: the state of green jobs and skills, developed in collaboration with LinkedIn, and the state of net zero, by S&P Global Sustainable. [Read the report >>](#)

Tata Sustainability Group | Tata Sons Private Limited | [tatasustainabilitygroup@tata.com](mailto:tatasustainabilitygroup@tata.com) | [www.tatasustainability.com](http://www.tatasustainability.com)

[To un-subscribe, please click here](#)