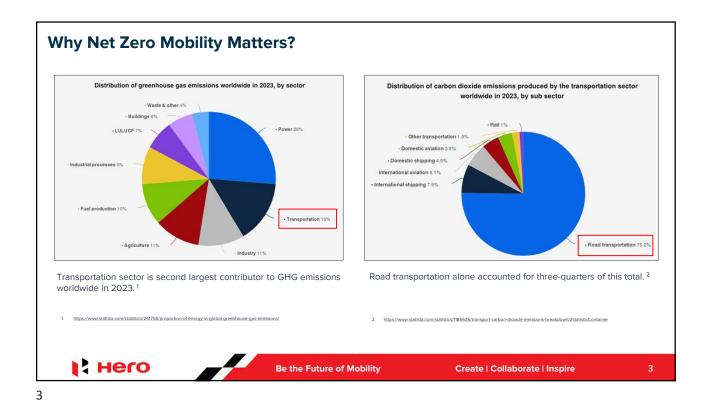
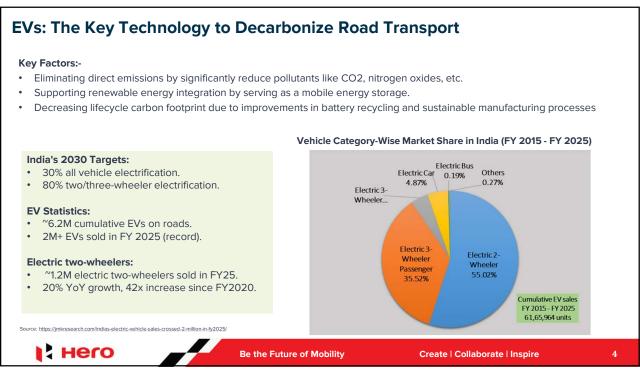


Global Climate change and actions across globe Paris Agreement & Nationally Temperature Rise to **GHG** Global Conference of the Determined save Parties Meets 2016 Contributions **Emissions** Warming 1.5° Pathway Global (NDCs) 195 parties Scope 1/2/3 & Climate Change <2° C Pathway Commitments are obliged 16.7B India NDC Targets

➤ 45% Carbon emission reduction by 2030 with baseline vear 2005 50% electrical energy capacity from non-fossil fuel source by 2030 ➤ 500 GW non-fossil energy capacity by 2030 ➤ Net zero target by year 2070 For easy calculation & representation, all GHG gases are verted into equivalent CO2 with Unit as tCO2e Goal is to keep the increase in global average temperature to well below 2 °C from pre-industrial levels and to pursue efforts to limit the increase to 1.5 °C Hero Be the Future of Mobility Create | Collaborate | Inspire





# India's Initiatives for Net Zero Mobility in the Auto Sector

India's Commitment: India has an ambitious net-zero target by 2070, with interim goals like reducing GHG emissions by 45% by 2030 (versus 2005 levels) and meeting 50% of electricity capacity from renewable sources by 2030.

#### **Key Government Schemes & Policies:**

- **FAME (Faster Adoption and Manufacturing of Hybrid & Electric Vehicles) Scheme:**
- Production Linked Incentive (PLI) Schemes:
- Scheme to Promote Manufacturing of Electric Passenger Cars in India (SPMEPCI):
- 。 PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE):.
- Corporate Average Fuel Economy (CAFE) Standards:
- Flex Fuel & Bio fuel adoption promotion

Local Manufacturing and Value Addition: "Make in India" initiative's role in the EV sector is paramount.



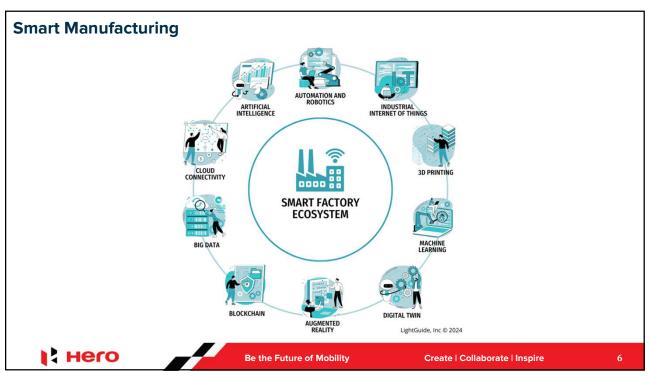


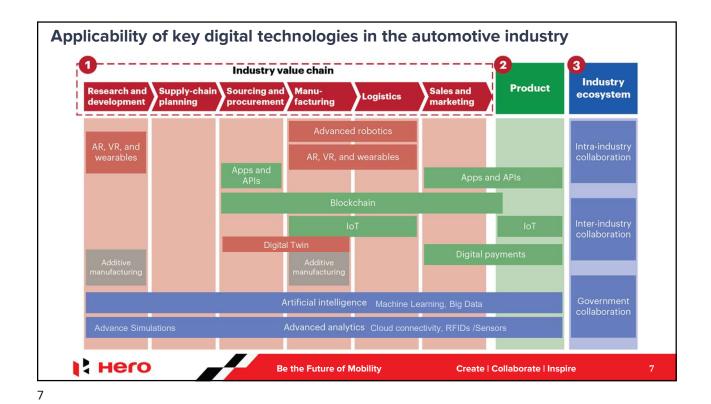


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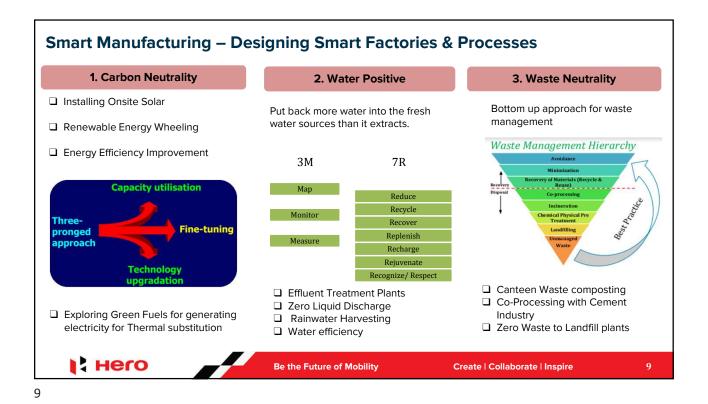
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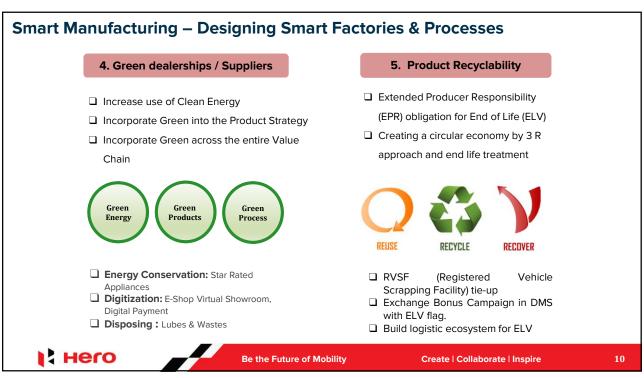
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Is it really Carbon Friendly? **Smart Manufacturing** Data centre electricity demand is set to surge in the next decade, driven by AI Data centre electricity demand, historical & projected through 2035 Green Al for AI Green Sustainable computing International Energy Agency Second and third-order effe First-order effect 2015 2025 2030 Hero Be the Future of Mobility Create | Collaborate | Inspire





### Hero MotoCorp: Sustainable smart manufacturing

#### Hero MotoCorp's Sustainability goals

- 100% Carbon Neutral Operations\* by 2030
- 100% Green Dealerships by 2030

#### Already achieved by 2025:

- 500% Water Positivity
- 95% Product Recyclability
- 100% Zero Waste to Landfill Facilities

#### Sustainable and Smart Manufacturing Facilities

#### **Tirupati Plant - Our EV Manufacturing Facility**

- O Rated GreenCo Gold in accordance with Green Company Rating System (Version-4 guidelines)
- O Focuses on producing EVs and offers a comprehensive ecosystem for battery pack manufacturing and testing, vehicle assembly, and end-of-line testing.
- Operates largely on solar power during the day
- O Employs zero liquid discharge (ZLD) water systems, and
- Designed to be resource-efficient, incorporating rainwater harvesting and energy-efficient systems to minimize its environmental impact.

\*Require collaborative approach with Policy makers, Technological advancement etc,



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## **Road Construction with Recycled Plastic**

63,743 sqm road constructed with 21 tonnes of plastic waste.

Waste Collected from local community and effectively used, the waste that would otherwise ended up in landfills.

The shredded plastic has led to an impressive 8% saving in bituminous content



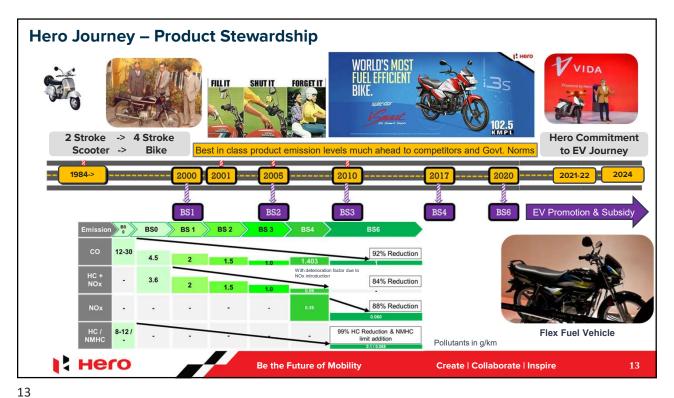




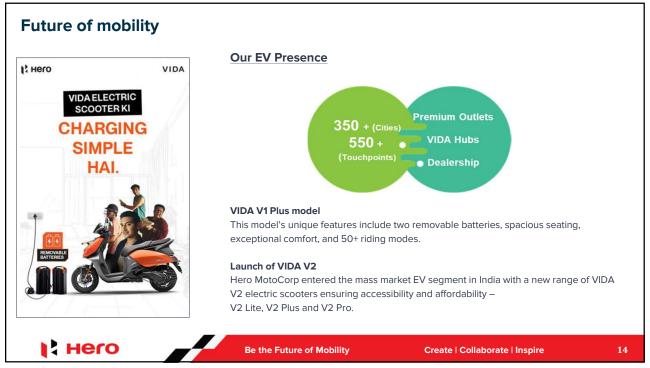
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## **Surge S32 – Mobility through Sustainable Innovations**

- Hero MotoCorp-backed Surge S32 stands out for its ability to transform from a nimble electric scooter to a stable three-wheeler.
- Recognized at Global Stage Surge S32 is honored with the Platinum A'
   DESIGN Award, Red dot: Best of the Best & featured in TIME BEST INVENTIONS OF 2024 which is a highly respected recognition in the field of vehicle design, celebrating exceptional works that showcase innovation and benefit society.





Recent approval from the Ministry of Road Transport and Highways (MoRTH) introducing a **new category of three-wheeled motor vehicles known as "L2-5",** which blends elements from both two-wheeled and three-wheeled vehicles



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### **VIDA ACRO**



- VIDA Acro is a revolutionary **electric-powered kids' mobility solution** that evolves alongside
  young riders, adapting seamlessly to their physical
  development from **ages 4 to 10**.
- Developed at Hero Tech Center Germany for the world, Acro's fully modular design transforms a common challenge "outgrowing bikes" into an opportunity for continuous growth and excitement.

VIDA Acro kids motorcycle concept has been awarded the prestigious Red Dot Award: Design Concept 2025, celebrating innovation and design that lasts long.

This recognition places Vida Acro among the world's leading product designs.

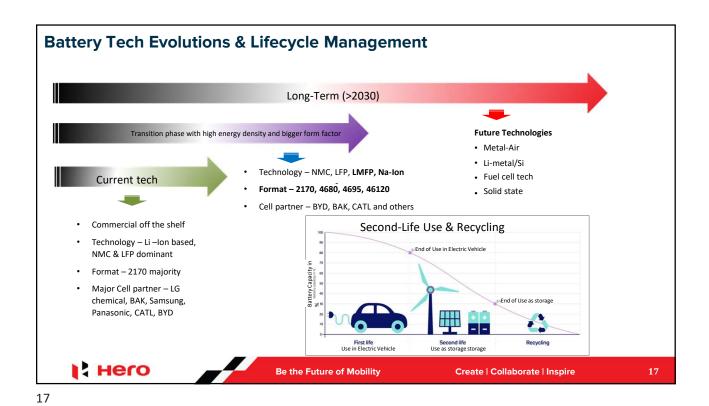




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# The Net Zero Mobility Ecosystem: A Collaborative Approach

Ultimately, achieving net-zero mobility demands a deeply collaborative ecosystem.

- Interconnectedness: Smart manufacturing, EVs, a green grid, and supportive policies are not isolated components but part of a larger, interconnected ecosystem for net-zero mobility.
- Role of Stakeholders:
  - Manufacturers: Investing in green technologies, sustainable materials, and closed-loop systems.
  - Energy Providers: Accelerating the transition to renewable energy sources and developing smart grid solutions.
  - Policymakers: Creating enabling regulations, incentives, and infrastructure for both EV adoption and green energy generation.
  - Consumers: Making informed choices and embracing sustainable mobility options.
- Measurement and Reporting: We must emphasize the importance of comprehensive lifecycle assessments (LCAs) to accurately track and reduce Scope 2 and Scope 3 emissions across the entire value chain of EVs



