

AUTOGUIDE

India's Automotive Industry & Trade Journal

51 YEARS
SINCE 1966

GOING GREEN

THE FUTURE OF TRANSPORTATION WITH

E-MOBILITY

ACMA

ACMA ATMANIRBHAR EXCELLENCE AWARDS & TECHNOLOGY SUMMIT



EV
CHARGE



STANDARD
RATES
APPLY



Driving in night was **NEVER SO SAFE**

In India, almost 1.50 lakh people die in road accidents every year; more than 50% fatal accidents occur at night.

Through advancements in Auto Lighting Technology with LED's, we are lighting the road ahead, bringing safety to the fore-front.



NEOLITE

ADVANTAGE :

- One of the largest OEM suppliers in India.
- Customer-base of over 40 prestigious OEM's.
- Exporting to over 70 countries worldwide.
- State-of-the-art infrastructure with modern facilities.
- Experienced work-force and dedicated R&D team.



Neolite ZKW Lightings Pvt. Ltd.

Board Line: +91-1276-350001, E-mail: info@neolitezkw.com

Website: www.neolitezkw.com


NEOLITE
AUTOMOBILE LIGHTING

Editor's Viewpoint



LATE JOGINDER P. MALHOTRA
Founder



M.P. MALHOTRA
Chairman - Editorial board



SHILPA MALHOTRA
Executive Editor

Emerging Trends and Developments in the Indian E-mobility Ecosystem

ACMA has announced its plans to achieve carbon neutrality by 2030, a significant milestone.

E-MOBILITY, has been gaining momentum in India in recent years, and the trend is expected to continue throughout 2023. In March 2023, there have been several significant developments that indicate the growth of E-mobility in the country.

The Automotive Component Manufacturers Association (ACMA), which represents the Indian auto component industry, has taken a big step towards carbon neutrality and sustainability. ACMA has announced its plans to achieve carbon neutrality by 2030, which will be a significant milestone in the Indian automotive industry's journey towards sustainability. The association is working with its member companies to reduce their carbon footprint and promote the adoption of green technologies.

Moreover, the E-mobility exhibition is taking place on March 23rd and 24th will showcase the latest innovations in sustainable transportation and electric vehicles. Experts, policymakers, and enthusiasts will gather to discuss the future of e-mobility, featuring cutting-edge technology, networking opportunities, and insights into the global shift towards eco-friendly transportation.

On top of that, the state of Tamil Nadu has also initiated a new EV policy that aims to make the state a hub for electric vehicles. The policy offers several incentives to EV manufacturers, including exemption from electricity tax, stamp duty, and registration fee. The policy also aims to create a robust charging infrastructure for EVs across the state.

Another significant development in the Indian E-mobility space is the launch of the MIHOS electric scooter. The scooter, which was launched in early 2023, has achieved a significant milestone by becoming the first electric scooter in India to offer a top speed of 100 km/h.

These developments indicate that E-mobility is rapidly gaining acceptance in India, and the country is moving towards a more sustainable future. The growth of E-mobility is expected to accelerate throughout 2023 as more companies launch new EV models and the government continues to promote the adoption of electric vehicles. With the increasing focus on sustainability and the environment, E-mobility is likely to become a significant driver of the Indian economy in the coming years.

Enjoy reading

CONTENTS

MARCH 2023

ELECTRIC VEHICLES

- 13 EV owners less satisfied with customer service than ICE
- 16 Greaves Electric launches Ampere Primus E2W
- Altigreen: Ideal EV Dealership Model for Last-Mile Delivery
- 20 Hyundai's 2nd-Gen Kona EV 490km Range
- 23 WTCabs Deploys 100 Electric Vehicles in Bangalore
- 24 India steadily making way for electric vehicles
- 34 Switch Mobility launches SWITCH EIV 22 for BEST fleet
- 47 Revving Up: Top 6 upcoming Electric Cars in 2023

EV THREE-WHEELERS

- 14 Omega Seiki and Mufin Green to finance 7500 e-trikes by 2024
- 45 Mahindra ZOR Grand: Top EV in Cargo Segment



Mahindra ZOR Grand



MG Air EV



Volvo C40 Recharge



MG Air EV



Citroen eC3



Tata Punch EV



Kona EV



COVER STORY

6 India's Electric Vehicle Revolution



INTERVIEWS

- 12 Industry Insights:
Q&A with Automotive Leaders



Mr. Gaurav Kumar

REPORTS

- 22 India needs INR 33,750 cr for lithium-ion battery production:
- 31 Urban Mobility Survey: 88% of Car Owners Travel <30 km/Day



COMPANY NEWS

- 17 Tata Motors launches Re.Wi.Re its first Registered Vehicle
- 41 SPRL to acquire 75% shareholding in Takahata precision
- 42 Sonalika Records 14.1% market share



SALES

10 Electric Vehicle Sales Soar in February 2023



ASSOCIATION NEWS

- 9 Key highlights: 8th ACMA Atmanirbhar Excellence Awards event
- 33 ACMA joins global Right to Repair movement



ABP INDIA SUMMIT

- 46 Hydrogen and Green Fuel will be India's future fuel: Gadkari. Automotive Industry Key to India's Industrial Base

INITIATIVES

- 15 TKM and ISMA promote ethanol as sustainable auto fuel for carbon neutrality.
- 21 Eicher launches 'Nayi Soch Naye Raaste' campaign
- 50 Kia India commences CSD delivery for Defence Personnel

PEOPLE

- 25 JEx-Meta Executive Satish Mittal joins Chargeup as CDO
- Yokohama Off-Highway Tires' New Leadership Appointments
- LML appoints Veteran EV Technologist Sayee Ganesh as CTO

GOVERNMENT POLICY

- 40 TN unveils a new e-vehicle policy

PARTNERSHIPS

- 27 Tata Motors & Strate School of Design Partner
- 39 Jaguar Land Rover teams up with Tata for digital transformation



TYRES

- 19 Vredestein Pinza All Terrain tyres introduced in India
- Yokohama expands PV tyres capacity in India to 4.5 M.
- 35 Bridgestone India to invest in Pune plant

COMMERCIAL VEHICLES

- 30 Daimler Truck's Positive 2023 Outlook

MILESTONES

- 29 18,600 bookings for the newly launched EV MIHOS



SPREADING WINGS

- 37 Revolt Motors Expands Dealership Footprint in 3 Cities
- All-women production line at Ashok Leyland's Hosur plant
- 38 Volkswagen opens new sales & service center in Kota
- Ola Electric unlatch a New Experience Centre in Coimbatore

OIL AND LUBRICANTS

- 18 Valvoline launches India's 1st 8% fuel-efficient engine oil
- 26 Valvoline 3rd Mechanics' Month Campaign

CARS

- 28 Maruti Suzuki adds new features to Baleno, XL6, and Ertiga



GLOBAL EYE

- 43 Automechanika 2023 to explore Vietnam's auto supply chain
- Tesla recalls 362,000 vehicles over self-driving software
- 44 US, EU to Talk Free-Trade, EV Dispute

EXHIBITIONS

- 32 Powering India's Future with E-Mobility

SUBSCRIPTION RATES

One Year	Two Years	Three Years	Single Copy
Rs.700	Rs.1300	Rs.1800	Rs.75

Autoguide is a monthly trade journal focused on automotive industry news published 12 times in a year.

The views and opinions expressed in the articles printed in this journal do not necessarily represent that of the Editorial Board.



Edited, Published and owned by M.P. Malhotra.
Printed at Options Printofast, 64, Patparganj Industrial Area, Delhi-110092 and Published at 608, Ansal's Imperial Tower, C-Block, Naraina Vihar, New Delhi-110028 Phone (011) 41051000,
Website: www.autoguideindia.com E-mail: autoguide@autoguideindia.com

India's Electric Vehicle Revolution

Atmanirbhar Awards, Technology Summit,
and New EV Policy Lead the Way



THE eighth ACMA Atmanirbhar Excellence Awards & Technology Summit, organised by apex industry body Automotive Component Manufacturers Association of India (ACMA), was held on March 6 in New Delhi. The highlight of the event was 68 auto component manufacturers being awarded the prestigious ACMA Atmanirbhar Excellence Awards for their excellence in manufacturing, sustainable business, digitisation, localisation, and exports.

The event, with the overall theme of 'Gearing up for Carbon Neutrality & Sustainability,' emphasised the significance of innovation and sustainability in the auto component industry, and was attended by industry leaders, senior government officials and experts from around the world.

They included Piyush Goyal, Union Minister for Textiles, Commerce & Industry and Consumer Affairs, Food & Public Distribution, Government of India; Vinod Aggarwal, President of SIAM, and chairman of the Jury of ACMA Atmanirbhar Excellence Awards, as well as the managing director and CEO of VE Commercial Vehicles; and R Dinesh, the president-designate of CII, executive vice-chairman of TVS Supply Chain Solutions, and director of TVS Automobile Solutions.

Furthermore, The India eMobility Show 2023 is a two-day conference and exhibition event that will take place on March 23-24, 2023, at The India Expo Centre & Mart. The event will bring together key stakeholders from the domestic and international mobility value chain to discuss the ways to fast track the EV transition in India and make zero-emission mobility a reality. The conference is dedicated to the entire EV community, including policymakers, business leaders, investors, and EV enthusiasts, to deliver and gain invaluable industry insights, exchange critical business knowledge, and engage in constructive discussions. The event will feature brilliant minds and influential EV voices who will share valuable insights into the EV scenario in India and upcoming business opportunities. The event will also showcase the latest EV models, innovative solutions, next-gen technologies, and many of the greatest electrification developments from leading automakers, service providers, and trailblazing startups, providing a perfect platform for participants to get their latest products recognized by end-users and important industry players and gauge instant market reaction.



ONE company that is set to benefit from this new policy is MG Motor India, which used the summit to unveil its latest innovation: the Comet. This new electric vehicle promises to be one of the most advanced and sustainable EVs on the market, with cutting-edge features such as long-range batteries, advanced safety systems, and smart connectivity features.

The Comet is not just a technological marvel; it is also a symbol of India's growing commitment to sustainability and carbon neutrality. With its sleek design and impressive performance capabilities, the Comet represents a major leap forward in the development of sustainable mobility solutions in India and beyond.

AS MG Motor India CEO Rajeev Chaba noted in his keynote address at the summit, the Comet is just the beginning of the company's commitment to sustainable innovation. "We are proud to be at the forefront of India's e-mobility revolution," he said. "We believe that the Comet is just the first step in a long journey towards a cleaner, greener, and more sustainable future for all."

Also, the Tamil Nadu government in India has introduced a new Electric Vehicle Policy 2023, which will waive road tax, registration charges, and permit fees for electric vehicles in the state. The policy aims to attract Rs 50,000 crore worth of investment in EV manufacturing, create 1.5 lakh new jobs, and develop a strong EV system in the state. The policy covers battery electric vehicles, plug-in electric vehicles, plug-in hybrid electric vehicles, and strong-hybrid vehicles. The government will offer incentives for converting internal combustion engine-powered commercial vehicles to EVs and revise the power tariff for public charging stations. The policy also offers reimbursement of state goods and services tax, investment and turnover-based subsidy, advanced chemistry cell subsidy, and the electrification of public and commercial transport. Pilot cities for implementing e-mobility solutions include Chennai, Coimbatore, Tiruchirappalli, Madurai, Salem, and Tirunelveli. The policy also aims to exempt permits for e-autos operating in the state and provide incentives for electrification of commercial vehicles until December 31, 2025.



■ The event will feature brilliant minds and influential EV voices who will share valuable insights into the EV scenario in India and upcoming business opportunities."

INDIA
E-mobility
SHOW

With the increasing adoption of electric vehicles (EVs) and a growing concern for the environment, it is expected that the next generation of electric vehicles will witness a significant surge in the automotive industry. The Automotive Component Manufacturers Association of India (ACMA) has taken noteworthy initiatives towards achieving net-zero emissions and sustainability, while the government is introducing new EV policies in the country to reduce hazardous chemical emissions. These efforts are likely to create a significant supply chain for EV adoption, leading to various opportunities for businesses in the automotive industry.



Rajeev Chaba
President and Managing Director, MG Motor India

WE believe that the Comet is just the first step in a long journey towards a cleaner, greener, and more sustainable future for all."

Key highlights: 8th ACMA Atmanirbhar Excellence Awards event

THE 8th ACMA Atmanirbhar Excellence Awards & Technology Summit, organized by The Automotive Component Manufacturers Association of India (ACMA), was held on 6th march. The event themed on 'Gearing up for Carbon Neutrality & Sustainability,' emphasized the significance of innovation and sustainability in the auto component industry. The event was graced by industry leaders, senior government officials, and experts from around the world.



Sunjay Kapur
President, ACMA

Piyush Goyal
Minister of Commerce & Industry

Mr. Sunjay J Kapur, ACMA President and Chairman, Sona Comstar, while inaugurating the event, expressed gratitude towards the Hon'ble Prime Minister for encouraging sustainable development in the country through the 'Panchamrit' strategy - announced at the COP 26 summit in Glasgow. The strategy aims to establish non-fossil energy capacity, satisfy energy needs with renewable energy, minimize carbon emissions, and attain net-zero emissions by 2070.

Shri Piyush Goyal praised the winners of the ACMA Atmanirbhar Excellence Awards and highlighted India's need to invest in R&D and indigenization for future technology and innovation. He emphasized the role of the auto components industry in self-reliance, building a strong defense industry, and promoting indigenous manufacturing. Goyal commended ACMA's support for start-ups and emphasized India's potential to become a supplier to the world by focusing on productivity, quality, and net-zero commitments.

Distinguished guests from both the Government of India (GoI) and the industry were present at the event, which included notable figures such as Shri. Piyush Goyal, who serves as the Hon'ble Union Minister for Textiles, Commerce & Industry and Consumer Affairs, Food & Public Distribution in the Government of India; Mr. Vinod Aggarwal, President of SIAM, and Chairman of the Jury of ACMA Atmanirbhar Excellence Awards, as well as the Managing Director and CEO of VE Commercial Vehicles; and Mr. R. Dinesh, the President-Designate of CII, Executive Vice Chairman of TVS Supply Chain Solutions, and Director of TVS Automobile Solutions.



Electric Vehicle Sales Soar in February 2023:

What's Driving the Growth?

AS we look back on February 2023, we can see some interesting trends in the automotive industry. With the continued growth of electric vehicles (EVs) and the ongoing recovery from the COVID-19 pandemic, we see a mixed bag of results for the different categories of vehicles.

Electric Vehicles (EVs)

The EV segment continued to show strong growth in February 2023, with sales increasing by 25% compared to the same period last year. This growth can be attributed to several factors, including the increasing popularity of EVs among consumers, as well as government incentives and regulations that encourage the adoption of low-emission vehicles.

Passenger Vehicles (PVs)

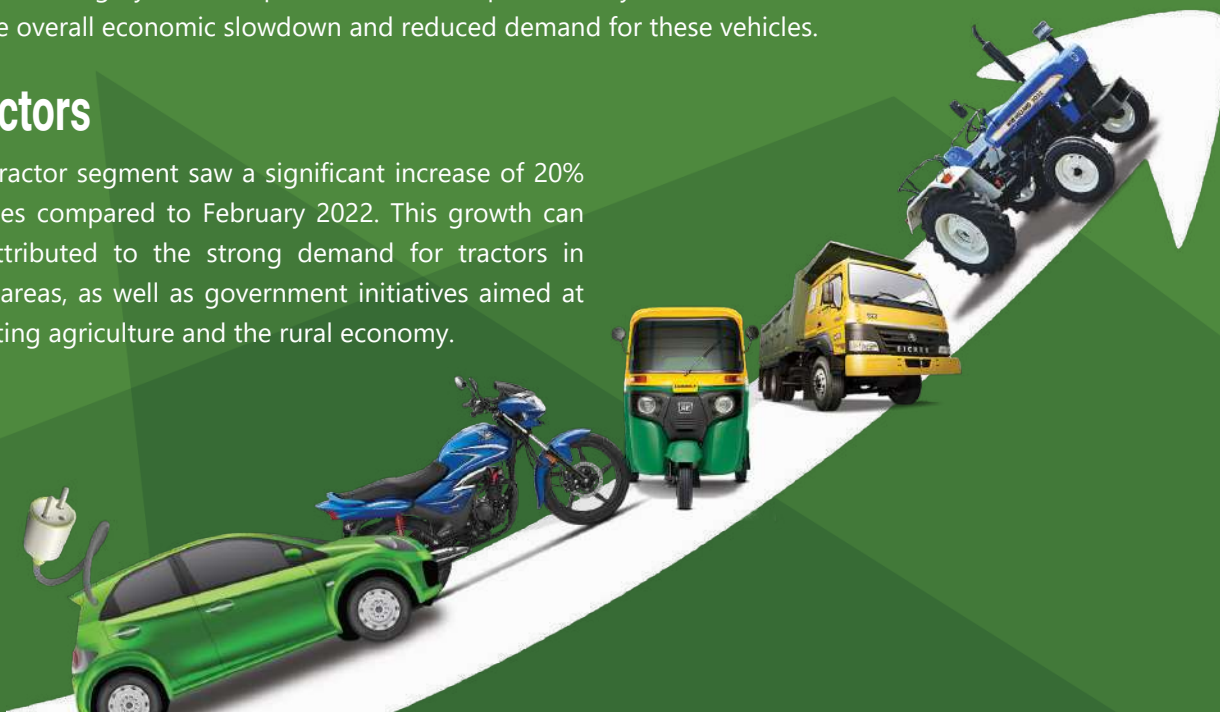
The passenger vehicle segment saw a modest increase of 5% in sales compared to February 2022. This growth can be attributed to the overall recovery of the automotive industry from the COVID-19 pandemic, as well as the launch of several new models by major automakers.

Two-Wheelers and Three-Wheelers

The two-wheeler and three-wheeler segment continued to struggle in February 2023, with sales declining by 10% compared to the same period last year. This decline can be attributed to the overall economic slowdown and reduced demand for these vehicles.

Tractors

The tractor segment saw a significant increase of 20% in sales compared to February 2022. This growth can be attributed to the strong demand for tractors in rural areas, as well as government initiatives aimed at boosting agriculture and the rural economy.



Commercial Vehicles (CVs)

The commercial vehicle segment saw mixed results in February 2023, with sales of light commercial vehicles (LCVs) increasing by 5%, while sales of medium commercial vehicles (MCVs) and heavy commercial vehicles (HCVs) declining by 10% and 15% respectively. This mixed performance can be attributed to the overall economic slowdown, as well as the impact of the COVID-19 pandemic on businesses and logistics.

Overall, the automotive industry saw moderate growth in February 2023, with total sales increasing by 6% compared to the same period last year. While the EV segment continued to show strong growth, the two-wheeler and three-wheeler segment struggled to maintain demand. The recovery of the commercial vehicle segment remained mixed, with LCVs showing growth, while MCVs and HCVs saw a decline in sales.

INDIA AUTO FEBRUARY RETAIL SALES 2023

CATEGORY	February '23	February '22	YoY% Change
EV	106,107	54,557	94.48%
2 wheeler	12,67,233	11,04,309	14.75%
3 wheeler	72,994	40,224	81.47%
Passenger Vehicle	2,87,182	2,58,736	10.99%
Tractors	68,988	60,536	13.96%
Commercial Vehicles	79,027	67,391	17.27%
LCVs	44,392	39,601	12.10%
MCVs	4,808	4,419	8.80%
HCVs	26,469	21,358	23.93%
Others	3,358	2,013	66.82%
Total	18,54,451	16,53,144	12.17%

Overall Sales: 18,54,451 units (+12.17% YoY growth)



Industry Insights: Q&A with Automotive Leaders

Gaurav Kumar

Head of Supply Chain & Manufacturing, Euler Motors

Please share about the journey of Euler Motors.

Euler Motors is an electric vehicle company, founded in 2018. At Euler, we have focused on building world-class commercial EVs, for India, from India - to enable a superior customer experience and lead the transition to EVs in the commercial segment.

In the last two years, Euler Motors has taken a lead in EV three-wheeler cargo segment innovation, with its powerful EV HiLoad, with the highest in industry load capacity of 688 kg, on road range of more than 150 km powered by a 12.4 kWh liquid-cooled battery. The vehicle comes with four different types of charging options, and expansive servicing options. HiLoad, is built to carry for any business application and is suited to operate for all weather and road conditions.

Kindly share Euler Motors' strategies for localized EV manufacturing and value chain networks

At Euler Motors, we have actually pursued a localization strategy right from the start - where we brought in suppliers on board and worked closely with them to build the exact components we wanted for our vehicles. We also worked on developing our in-house capabilities for electronics, the parts which weren't readily available. This helped us customize our electronics, which we could easily scale and integrate into other platforms - as and when needed.

Our localisation levels from a component standpoint stands at 95% today for the vehicle and 90% for our battery packs (with the exception of the cell).



Can you tell us about your manufacturing process and technologies adopted by the company?

As mentioned above, Euler Motors has prioritised quality design and development to produce electric vehicles that meet the needs of Indian customers. Our state-of-the-art manufacturing facility in NCR Haryana, is capable of producing 3000 units per month, and includes a vehicle assembly line, BIW line and a battery manufacturing unit.

At Euler, since inception Euler Motors has focused on product quality and cost reduction through alternate sourcing, indigenization, and localization to ensure 100% output levels at a lower capital expenditure. From superior battery packs to product advancements, our focus is on continuous innovation to meet changing company requirements.

Please share Euler Motors' plans for this year.

We are already expanding our manufacturing, scaling to mass production and deployments. As we progress, we are ramping up production to manufacture 3000 vehicles per month within the next nine months.

Further, we continue to expand our manufacturing, and supply chain infrastructure, accelerating product development, augmenting talent across key functions in the organization, as well as expanding our distribution network, all while remaining committed to our core values of innovation, performance, and design.

EV owners less satisfied with customer service than ICE

CUSTOMER service satisfaction among owners of battery electric vehicles (BEVs) is lower than those who own internal combustion engine (ICE) vehicles, according to a study released on Thursday.

The J.D. Power 2023 U.S. Customer Service Index (CSI) Study, which is in its 43rd year, saw a year-over-year score decline for the first time in 28 years. Automakers are committing billions toward developing and building EVs and batteries as they shift their focus to cleaner mobility alternatives, but customer service satisfaction remains low.

Recall rates, which are more than double for BEVs than their gas/diesel counterparts, are a leading factor, the report said. BEV owners' customer service satisfaction was 42 points lower than owners of ICE engines.

"As the electric vehicle segment grows, service is going to be a 'make or break' part of the ownership experience," said Chris Sutton, vice president of automotive retail at J.D. Power. "The industry has been hyper-focused on launches and now these customers are bringing their electric vehicles in for maintenance and repairs."

The study shows a decline of 23 points in satisfaction when an owner has to bring their vehicle in for a repair after a recall rather than traditional maintenance and repair. Since its report in 2021, the consultants have found that owners now have to wait longer for their vehicles to be serviced due to labor, loaner vehicle availability and parts shortages.



Omega Seiki and Mufin Green to finance 7500 e-trikes by 2024.

OMEGA Seiki Mobility and Mufin Green Finance have announced a strategic partnership to provide lease financing solutions to B2B customers and retail financing to B2C customers. This partnership will finance 3500 units of cargo electric three-wheelers for OSM B2B customers and 4000 Cargo and Passenger electric vehicles for B2C Retail customers. This financing will be available at OSM's existing 140+ dealer touchpoints and all new dealerships. Ambitious electrification targets and the need for lower emissions fuel the demand for leasing commercial electric vehicles. This partnership will provide customers with vehicles suiting their requirements and help India's transition to an electric future. Mufin Green Finance has already financed EVs worth over Rs 245 crore and is focused on catering to the underserved or low-income segment.

Mufin Green Finance stands at a net worth of \$20 million and has indirectly reduced 1.93 million tons of carbon emissions through its clientele over five years. The company has a market share of more than 7 per cent across various territories in the northern and eastern Indian regions. It has become more aggressive in EV financing after raising its Series A round of funding. The company is planning to multiply its portfolio by at least 10X in the next three years, expanding to all parts of India by December 2023. In addition, Mufin Green Finance plans to venture into other green financing products, such as solar panel financing, by 2023. Omega Seiki Mobility, one of India's leading clean energy incubators, is dedicated to creating sustainable mobility solutions and a clean ecosystem with eco-friendly, safe, and congestion-free mobility. The electric vehicle manufacturing company focuses on fast-tracking future mobility with green energy at its core by implementing data-driven, smart engineering.



Commenting on the partnership, Mr Uday Narang, Founder and Chairman of Omega Seiki Mobility, said, "We have an existing order book of over 35,000 electric cargo and passenger vehicles. We are happy to partner with Mufin Green Finance B2B.

Mr Kapil Garg, Chairman of Mufin Green Finance, said, The Partnership with OSM is a solid validation of our climate-focused financing mission.

TKM and ISMA promote ethanol as sustainable auto fuel for carbon neutrality.

TOYOTA KIRLOSKAR MOTOR and the Indian Sugar Mills Association have signed a Memorandum of Understanding to raise awareness and promote the use of ethanol as a sustainable biofuel in India. At the event, Toyota demonstrated their Flexi-Fuel Strong Hybrid Electric Vehicle with an experiential drive. The MoU is intended to increase the use of domestically produced ethanol, thereby boosting the agrarian economy and reducing fossil fuel imports. The Government of India aims for 20% ethanol blending in gasoline by 2025, which is expected to save India Rs. 30,000 crores in foreign exchange and reduce carbon emissions by 10 million tonnes.

Toyota is proud to collaborate with the Indian Sugar Mills Association (ISMA) to popularise ethanol as a clean and sustainable biofuel source for the automotive industry in India. To achieve a carbon-neutral mobility society, Toyota emphasises the multiple energy pathway approach, which provides customers with low-carbon solutions. Through adopting flexi-fuel vehicles and flexi-fuel strong hybrid electric vehicles, Toyota and ISMA hope to contribute to a cleaner, greener environment with lower well-to-wheel carbon emissions.



Mr Aditya Jhunjunwala
President Indian Sugar Mills Association

Commenting on this initiative, Mr Sudeep S. Dalvi, Senior Vice President & Chief Communication Officer of Toyota Kirloskar Motor, said, "In our constant endeavour to promote the adoption of sustainable mobility solutions across regions, we at Toyota believe that it is crucial to amplify in-depth understanding about ways and means to combat carbon emissions, beyond providing technologically advanced solutions, while achieving goals of Carbon Neutrality.

Expressing his thoughts on the MoU exchange, Mr Aditya Jhunjunwala, President of Indian Sugar Mills Association, said, "Ethanol awareness and encourage its wider adoption as a fuel in India. Ethanol is a vital part of India's energy mix, and with this joint effort, we are hopeful to contribute better to the larger goal of achieving self-reliance in energy. This will go a long way in contributing to a cleaner, greener environment."



Greaves Electric launches Ampere Primus E2W

- Speed of 77 kmph, a
- Range of over 100 Kms,
- Longer battery life with LFP chemistry,
- Smart connectivity features,
- Superior comfort and rideability.
- Bluetooth connectivity
- Driven in 4 modes
- Phone app for convenience



GREAVES Electric Mobility Private Limited (GEMPL), the e-mobility business of Greaves Cotton Limited, marked its foray into the high-speed electric two-wheeler segment with the launch of Ampere Primus at INR 1,09,900 (ex-showroom price*). Greaves' latest, all-new scooter offers optimum safety with an LFP battery pack, improved performance with a PMS motor, belt drive, and smart connected cluster for seamless navigation.

Primus is an ideal electric scooter for customers looking for a superior experience in styling, performance, comfort & reliability. It continues to embody the company's 'Make-in-India' thrust, with a high degree of localization with domestically sourced components.

Altigreen: Ideal EV Dealership Model for Last-Mile Delivery

ALTIGREEN, a Bengaluru-based manufacturer of small commercial electric vehicles, focuses on India's unorganised last-mile delivery EV category. This segment makes up about 85% of the total small cargo-carrying EV market in India, according to Altigreen. The company rapidly expands and has opened 17 retail outlets in cities such as Bengaluru, Hyderabad, Mumbai, Chennai and Delhi. Altigreen estimates the small cargo-carrying commercial EV segment has a potential market of about 1.3 million units annually. It recently raised INR 300 crore (\$39.9m) and has invested INR 80 crore in a new 300,000-square-foot manufacturing plant in Karnataka. Altigreen aims to set up 30 showrooms across India by March 2023 and is developing a four-wheeled small commercial EV.



Tata Motors launches Re.Wi.Re

The first Registered Vehicle Scrapping Facility

TATA MOTORS, India's leading automobile manufacturer, took a significant leap forward in its commitment towards sustainable mobility with the launch of Re.Wi.Re—Recycle with respect, its first Registered Vehicle Scrapping Facility (RVSF) in Jaipur, Rajasthan. Inaugurated by Hon'ble Union Minister of Road Transport and Highways, Shri Nitin Gadkari, this state-of-the-art facility has a capacity of 15,000 vehicles per annum and follows world-class, eco-friendly processes for the safe and sustainable dismantling of end-of-life vehicles. It is developed and operated by Tata Motors' partner Ganganagar Vaahan Udyog Pvt. Ltd. to scrap end-of-life passenger and commercial vehicles of all brands.

Inaugurating Tata Motors' maiden Re.Wi.Re RVSF, Hon'ble Union Minister of Road Transport and Highways, Government of India, Shri Nitin Gadkari, said, "The National Vehicle Scrappage Policy was introduced to promote the circular economy by creating an ecosystem for phasing out unfit and polluting vehicles and to achieve a lower carbon footprint in the country by replacing them with greener and more fuel-efficient vehicles. I congratulate Tata Motors for setting up this quality facility at par with global standards."

Speaking on the launch of Re.Wi.Re., Mr. Girish Wagh, Executive Director, Tata Motors, said, "With globally benchmarked and optimised recycling processes, we intend to yield maximum value from the scrap for future use and minimise waste for the overall betterment. These decentralised facilities will benefit the customers, share the economic value generated, and create employment while addressing the need for scrapping vehicles in every part of the country in an eco-friendly manner."



Mr. Girish Wagh
Executive Director, Tata Motors

Valvoline launches India's 1st 8% fuel-efficient engine oil

VALVOLINE CUMMINS INDIA, the Original Engine Oil maker and a leading global lubricant manufacturer, introduces Champ 4T Fuel Efficient, which is engineered to enhance fuel efficiency by 8%, based on a test conducted by World Motorcycle Test Cycle (WMTC) at a reputed institute during the year 2021. The innovation shall allow bikers to ride up to 2000 km more in a year, translating into an additional month's ride.

Champ 4T fuel efficient is a high-quality 4-stroke engine oil that meets the requirements of all leading motorcycles up to 125CC and is suitable for all generations of bikes, old or new. With the help of a Fuel-Efficient Formula (FEF), the engine oil resists extreme heat and oil thickening for peak engine efficiency. It provides superior protection and performance for motorcycles under all operating conditions. With the launch of this product, the brand has also made FEF technology accessible to all.



Mr Sandeep Kalia
MD & CEO
Valvoline Cummins India JV

Speaking on the launch of the innovative product, Mr Sandeep Kalia, MD & CEO of Valvoline Cummins India JV, said, "Champ 4T Fuel Efficient is the result of our continuous research and innovation in bringing industry-first products. The path-breaking technology in fuel efficiency and added advantage will surely disrupt the industry."

Valvoline Champ 4T Fuel Efficient has been introduced with the American Petroleum Institute (API) SN and Japanese Automotive Standards Organization (JASO) – MA2 specifications. It will be available in two pack sizes, 900 ml & 1L, suited to meet consumer needs.



Vredestein Pinza All Terrain tyres introduced in India

APOLLO TYRES LTD, the leading tyre maker, has introduced the dedicated and premium tyres for SUVs in India, Vredestein Pinza AT. These tyres, with all weather grip and excellent stability, are comfortably rugged and deliver quieter rides. Vredestein Pinza AT is a global product, which is manufactured in India.

Targeted at premium SUVs from brands like Jeep, JLR, Mercedes, Toyota and Volvo, these ultra-high performance tyres have been developed after intensive study into SUV owner's/driver's habits and preferences. Produced at Apollo Tyres' Vadodara and Andhra Pradesh facilities, these tyres have been tested extensively in different climates and weather conditions across multiple continents.

Commenting on the launch of Vredestein Pinza AT in India, Satish Sharma, President, Asia Pacific, Middle East and Africa (APMEA), Apollo Tyres Ltd said "The introduction of Pinza AT demonstrates our unwavering commitment to meeting the drivers' needs and ensuring that they have carefully thought-out and expertly engineered solutions, no matter what they drive or where they drive it. These tyres have been refined for on-road civility but built rugged for off-road capability, and will appeal to the off-roading enthusiast with premium SUVs or with a premium mindset."



Yokohama expands PV tyres capacity in India to 4.5 M.

THE Yokohama Rubber Co., Ltd. announced that it is expanding passenger car tire production capacity in India to meet the increasing demands from the local market. With an additional investment of US\$82 million, the company looks to increase its annual passenger car tire production capacity in India with Yokohama India Pvt. Ltd. (YIN), its local passenger car tire manufacturing and sales subsidiary, from the current 2.8 million to 4.5 million tires. This new capacity will be installed within the premises of the Visakhapatnam Plant* in the eastern part of India. The new line is scheduled to start production in the fourth quarter of 2024 and can build passenger car tires up to 22 inches.



Hyundai's 2nd-Gen Kona EV



HYUNDAI MOTOR Company unveiled the second-generation Kona, featuring an all-electric variant (EV) with a class-leading range of 490km, hybrid electric (HEV) and internal combustion engine (ICE) variants, and N Line versions. Hyundai has adopted an unconventional development process, following an EV-to-ICE approach, resulting in an EV-centric exterior. The Kona Electric is equipped with a long-range 65.4-kWh battery, dual 12.3-inch panoramic display screens, Digital Key 2 Touch, full Over-the-Air (OTA) updates, Connected Car Navigation Cockpit (ccNC), and additional features. In addition, the Kona has SmartSense Advanced Driver Assistance System (ADAS) and safety systems for level 2 autonomous driving. The second-generation Kona has increased dimensions and unique proportions.

The Hyundai Kona has increased in size compared to its 2017 predecessor, with a length of 4,355mm, a wheelbase of 2,660mm, a width of 1,825mm, and a height of 1,575mm. Its driver-centric front row features a floating horizontal C-Pad with dual 12.3-inch panoramic display screens, while the shift-by-wire gear selector has been relocated from the centre console to behind the steering wheel to allow for more storage. This makes for a larger, wider interior with versatile and comfortable seating, as well as rotational cupholders and ambient lighting. The Kona also supports Over-the-Air (OTA) updates for maintenance and new features.

Eicher launches 'Nayi Soch Naye Raaste' campaign



EICHER Trucks and Buses, a business unit of VE Commercial Vehicles has launched its latest campaign, 'Nayi Soch Naye Raaste', embodying the Eicher brand's promise of partnering prosperity. The campaign underlines the relevance of modern transportation in the everyday smooth functioning of businesses and our daily routines.

To create an advanced connected ecosystem, the company has recently launched the 'My Eicher App', an integrated, first-of-its-kind next-generation solution for efficient fleet, fuel, and vehicle uptime management along with a marketplace for value-added services.

"Modern life depends on timely logistics. The Nayi Soch Naye Raaste campaign is a tribute to Eicher truck and bus operators who serve society's needs – whether it be ensuring timely delivery of breakfast in the morning, materials to a market, or bringing our children home from school on time. They are the heroes who keep our lives going!" concludes Bhagwan K Bindiganavile, SVP – Strategic Planning, Brand and Communication, VECV,

Adding on Ritu Sharda, CCO-Ogilvy India (North) said, "With a simple insight that if trucks and buses come to a halt, our life will stop moving, we created something that has the potential to change the way the public looks at this industry."

Eicher offers one of the widest product ranges, from 4.9-55 Ton GVW trucks and 12- 72-seater buses. These products are produced on Eicher's most innovative BSVI solution – EUTECH6 which offers the most reliable engine technology and best-in-class fuel efficiency. Eicher is the first player to introduce a 100% connected range of vehicles with advanced telematics. The products are enabled by the Eicher Uptime Centre, and segment-specific benefits such as enhanced logistical efficiency in e-commerce, superior uptime in construction and mining as well as passenger safety in buses. The company has the widest range of Heavy-Duty trucks in the industry.

India needs Investments cr for lithium-ion battery production: CEEW

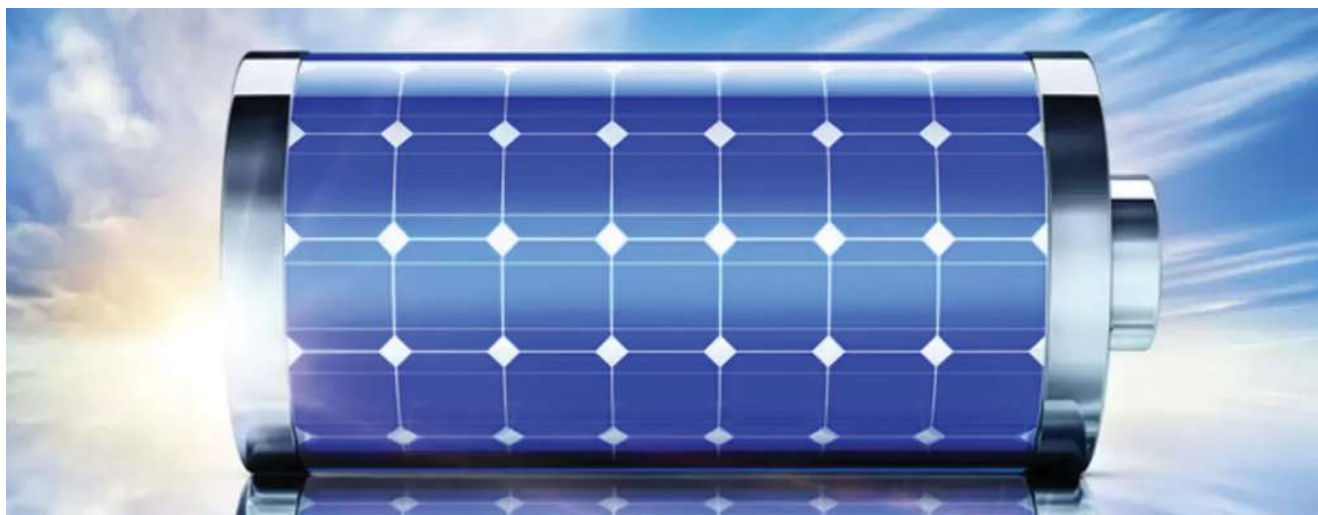
INDIA needs investments worth up to INR 33,750 crore (USD 4.5 billion) to achieve the government PLI target of setting up 50 GWh of lithium-ion cell and battery manufacturing plants, according to an independent study released by the Council on Energy, Environment and Water (CEEW), a policy research institute.

The country requires up to 903 GWh of energy storage to decarbonise its mobility and power sectors by 2030, and lithium-ion batteries will meet the majority of this demand. Earlier this month, the government announced that it had established Lithium inferred resources of 5.9 million tonnes in the Reasi district of Jammu and Kashmir.

The CEEW study 'How can India indigenise lithium-ion battery manufacturing?' calculates the material and financial requirements and offers a blueprint for the domestic strategy as India's demand is expected to increase significantly. The analysis is based on the minimum manufacturing plant capacity allocated under the PLI scheme – 5 GWh. These plants will also be energy-intensive – requiring 250 GWh of power annually for a 5 GWh plant – and require a cheap and reliable power supply.

Rishabh Jain, Senior Programme Lead, CEEW, said, "To scale up domestic lithium-ion manufacturing, India should step up R&D investments, focus on battery cell component manufacturing and reducing material costs, and support recycling to reduce the need for new materials."

To fulfill the overall battery demand, India will need 969-1,452 kilotonnes of anode, cathode, and electrolyte material (the components for a battery) between 2022 and 2030. This requires the country to prioritise other energy storage technologies as well. The CEEW study recommends focusing on the strategic sourcing of critical minerals and pushing for research, development, and demonstration in all technologies to retain competitiveness. At the same time, reducing the cost of manufacturing batteries by innovating and updating manufacturing processes, and making policy changes to lower the cost of cell components are important.



WTiCabs Deploys 100 EV in Bangalore

WTICABS deploy electric vehicles for a large IT client, marking the efficiency of the company towards delivering emissions-free staff transport services. By offering cutting-edge workplace commute services, WTiCabs has been successfully revolutionizing the overall employee transportation and corporate car rental experience. The business is better known for developing bespoke workplace transportation solutions, chauffeur driven vehicles and providing adjustable resource plans to create scalable employee transportation solutions. WTiCabs offers fully managed staff mobility solutions that are supported by years of experience and an unwavering commitment to producing marvels that astound the world with their effectiveness.

WTiCabs recently deployed electric vehicles for a large IT client. The corporation is reportedly investing in this endeavour, according to sources. The company has made significant contributions over the years to the provision of a fully functional and staffed EV Depot (electric vehicles and charging stations) by providing emission-free people transportation solutions.

The organization hopes to address the difficulties and complexities associated with finding consistent and dependable employee transportation. WTiCabs manages on-site employee commute operations as an extension of client fleet management. Also, the company's goal is to become the most sustainable solutions provider on the market by cutting CO2 emissions by 47 per cent annually and contributing a portion of its promise to achieving carbon net zero by 2025.

Ashok Vashist, the CEO and Founder of WTiCabs put light on the vision and future endeavours of the company. He says, "Each one of us can actively be a part of building a pollution-free environment that leaves a legacy behind for the world and the generations to come."



Ashok Vashist
CEO and Founder
WTiCabs

India steadily making way for electric vehicles

THE popularity of electric vehicles (EVs) is on the rise in India as people become more environmentally conscious and the government pushes for a transition to sustainable transportation. EVs produce zero emissions, making them more environment friendly than traditional gasoline vehicles that produce significant amounts of greenhouse gases and other pollutants. Additionally, EVs are often powered by renewable energy sources such as solar or wind power, further reducing their carbon footprint.

From an efficiency perspective, EVs can convert around 60% of the electrical energy from the grid to power the wheels, while gasoline vehicles can only convert 17-21% of the energy stored in the fuel to the wheels, resulting in a waste of around 80%. Another advantage of EVs is their instant torque, which allows them to accelerate quickly and smoothly without the need for a complex transmission system.

The global EV market is rapidly developing, with overall EVs reaching a global share of 8.3% in 2021, an increase of 108% from 2020. The Indian EV market is also evolving fast, with close to 0.32 million vehicles sold in 2021, up 168% year-on-year. The Indian government aims to achieve EV sales penetration of 70% for all commercial cars, 30% for private cars, 40% for buses, and 80% for two and three-wheelers by 2030 in line with the goal to achieve net-zero carbon emissions by 2070.

Although gasoline vehicles still hold an advantage in terms of quick refueling, the rise of fast-charging stations is slowly reducing this disadvantage, and many EV owners find that they can easily plan their routes to include charging stops. As charging infrastructure continues to expand and EV technology improves, it is likely that more EVs will hit the road in the years to come.

EVs are gaining popularity in India as people become more environmentally conscious and the government pushes for a transition to sustainable transportation. EVs produce zero emissions, are often powered by renewable energy sources, and have instant torque and precise handling, making them a safer and more efficient option on the road. As India aims to achieve net-zero carbon emissions by 2070, the adoption of EVs is seen as a crucial step towards sustainability.





PEOPLE

Ex-Meta Executive Satish Mittal joins Chargeup as CDO

Chargeup, an Indian company developing the first FiNeTech platform in the electric vehicle (EV) sector, has hired former Meta executive and ex-CTO Vodafone Satish Mittal as its Chief Digital Officer. Mittal's role will be to lead the brand's technology, digital, and partnership initiatives, with the company looking to expand its services to 20 new cities and power over 50,000 drivers with advanced climate-tech solutions. Chargeup recently closed a Pre-Series A1 funding round, which will help accelerate the company's growth plans and make it a major player in India's EV sector. Mittal's extensive industry experience and expertise in forging business partnerships and implementing advanced technologies, such as IoT, AI, Metaverse, and data analytics, will contribute to Chargeup's growth and the company's mission to popularize EVs in India.



Mr Satish Mittal

Yokohama Off-Highway Tires' New Leadership Appointments

YOKOHAMA Off-Highway Tires (YOHT), the off-the-road/highway business identity of The Yokohama Rubber Co., Ltd based in Tokyo, has announced the appointment of Mihir Modi as the Chief Financial Officer and Amit Chincholikar as the Chief Human Resources Officer. Both executives will be members of the Global Executive Committee and will report to Nitin Mantri, Head of OHT division of Yokohama Rubber Company. Modi brings over two decades of experience working with diverse businesses across continents and has previously worked with companies such as EY, Novartis Pharma, Godrej Group, and Zee Entertainment Enterprises. Chincholikar has worked for global industry leaders such as Mercer Consulting, Aditya Birla Group, and the Tata Group. With an expanding global footprint in over 120 countries and a growing product portfolio, Mihir and Amit will have the remit to lead and develop the finance and people strategy for YOHT.



Mr Amit Chincholikar



Mr Mihir Modi

LML appoints Veteran EV Technologist Sayee Ganesh as CTO

LM L, a leading two-wheeler manufacturing company has announced the appointment of Sayee Ganesh as its Chief Technology Officer. Ganesh brings over three decades of cross-functional and cross-border industry experience. Prior to joining LML, he anchored strategic product engineering initiatives to support the growth objectives of several global auto & tech majors like Bosch and Siemens, according to a statement. In his new role at LML, Ganesh will be responsible for driving tech innovation and defining a scalable product roadmap to enable futuristic, digital-first and smart next-generation electric vehicles.



Mr Sayee Ganesh

Commenting on the new appointment, Dr Yogesh Bhatia, MD & CEO, LML, said, "We're excited to welcome Sayee Ganesh to LML's core management team. As a leading EV OEM, we prioritize cutting-edge technology & advance engineering

Valvoline 3rd Mechanics' Month Campaign: *KEEPING THE WORLD TURNING*

VALVOLINE Cummins, a leading global lubricant manufacturer, has launched the 3rd edition of the Mechanic Month campaign globally and in India. The theme of the campaign is "Keeping the World Turning," and it aims to honor the contribution of mechanics and inspire people to join the celebration and thank them for their dedicated efforts. Mechanics play a crucial role in keeping vehicles in optimal condition, and their expertise helps keep them functioning at their peak performance. Valvoline Cummins is encouraging people to show appreciation to their trusted mechanics for their relentless efforts in keeping the world turning.



The campaign will be carried out on various mass media platforms, such as radio, digital, and on-ground, to sensitize people about the hard work that mechanics put into caring for our vehicles. Additionally, Valvoline Cummins has provided education to the children of truck drivers, mechanics, and underserved people under its Muskaan Scholarship program. The scholarship aims to support the education of children between 9th and 12th standard, and the scholarship awardees will be mentored by the company's employees.

Castrol's refreshed brand meets evolving customer needs

CASTROL, a leading global lubricants provider, has unveiled their refreshed brand, including an updated look and feel. This brand refresh is designed to reflect better the company's unique positioning in the market and their ability to meet customers' changing needs. The logo features a modern, vibrant design and maintains Castrol's iconic red, green, and white colours. Castrol is also investing around \$60 million in a new EV battery testing centre and analytical laboratory in the UK and partnering with Submer to develop advanced EV Fluids and ON immersion cooling fluids for use in data centres.

Nicola Buck, Chief Marketing Officer of Castrol, expressed her excitement for their refreshed brand and the opportunities it provides for growth and success. "Our refreshed brand identity reflects our commitment to investing in the future and creating new opportunities for growth and success."



Tata Motors & Strate School of Design Partner for Classroom Project



Mr. Thomas DAL,
Director and Dean, Strate School of Design, Bengaluru

Martin Uhlarik,
Head of Global Design Tata Motors

TATA MOTORS Design, a centre of excellence for automotive design and engineering, recently announced its partnership with the Strate School of Design in Bengaluru, to offer aspiring automobile designers an opportunity to design mobility solutions of the Future. Aligned with the company's vision to foster future-ready talent, this strategic collaboration will contribute to the development of an advanced auto-design curriculum and education in India through interaction and industry-level classroom projects.

Tata Motors Design and Strate School of Design will work together to bridge the talent gap between industry and academia, producing workforce-ready graduates capable of designing as well as manufacturing sustainable and futuristic automotive solutions that are in line with the aspirations of customers.

Speaking on the occasion, Martin Uhlarik, Head of Global Design, at Tata Motors said, "Our collaboration with the Strate School of Design is based on the broader vision of enriching design education in India, with a progressive curriculum, interactions, and industry-level classroom projects. Through this classroom project, we intend to bridge skills gaps and train talented and technically qualified professionals for the automotive sector.

Mr. Thomas DAL, Director and Dean, Strate School of Design, Bengaluru, said, " We are now partnering with TATA Motors Design to explore new routes and opportunities for mobility systems in the Indian context with the support and challenge of the talented international team of TATA Motors Design."

Maruti Suzuki adds new features to Baleno, XL6, and Ertiga

MARUTI SUZUKI INDIA LIMITED has released new connectivity features for enhancing the ownership experience of the New Age Baleno, New XL6, and Next-Gen Ertiga. These features will be available via an Over-The-Air (OTA) update.

With the latest update, customers can now enjoy Wireless Apple CarPlay and Android Auto connectivity. Baleno customers will get Turn-By-Turn* navigation on Head-Up Display (HUD)^. Turn-By-Turn navigation is also available on the speedometer Multi-Information Display (MID) of the Baleno, Ertiga, and XL6. In addition to this, Ertiga and XL6 customers also get premium acoustic tuning "Surround Sense" powered by ARKAMYS, offering signature ambiances created to suit various moods.

These upgrades allow both existing & new customers of the above-listed models to enjoy seamless connectivity and ensure a safer, indulgent, and immersive driving experience. Customers can easily install the update via smartphones+ or download the same from Maruti Suzuki's official website.

Maruti Suzuki had earlier rolled out similar connectivity updates for the Brezza in the recent past. The company's flagship SUV, the Grand Vitara was introduced with these features at the time of its launch in September 2022.



18,600 bookings for the newly launched EV MIHOS

WARDWIZARD Innovations and Mobility Ltd. one of India's leading manufacturers of electric two-wheelers brand 'Joy e-bike', announced a significant milestone of 18,600 bookings for its new high-speed electric scooter MIHOS. The company received a phenomenal response from customers in the duration of just 15 days starting from 22nd January 2023, since the 'Bookings Open' has been announced.

MIHOS, the most robust electric two-wheeler ever is a retro-styled electric scooter that was launched at the Auto Expo 2023 at ₹1.35 Lakh (Ex-showroom Price). The deliveries of MIHOS will begin from March 2023 in a phased manner across India. The Company has commenced the process of accepting bookings for the month of April 2023, which begins on 9th February 2023, Thursday. To make it more convenient for the customers, the company has decided to keep the booking amount at a nominal price of just Rs. 999/-.

Speaking on the bookings milestone, Mr Yatin Gupte, Chairman & Managing Director, Wardwizard Innovations & Mobility Ltd., said, "MIHOS brings a stronger version of electric vehicles with a new material, Dicyclopentadiene (DCPD). We are pleased by the high demand from our customers and are really excited about the delivery of MIHOS which is set to commence in March this year in a phased manner."



Mr Yatin Gupte,
Chairman & Managing Director,
Wardwizard Innovations &
Mobility Ltd.



Daimler Truck's Positive 2023 Outlook

Daimler Truck Holding AG (Daimler Truck) has achieved its financial targets for 2022 and is optimistic for 2023 in light of supply chain constraints and inflationary cost pressure. The Group's strong market position has been demonstrated by the 14% increase in units sold (520,300) compared to the prior-year level (455,400). Revenue increased to €50.9 billion (+28%), while adjusted EBIT rose by 55% to €3,959 million. In addition, industrial free cash flow increased by 12% to €1,746 million and earnings per share amounted to €3.24 (up 14%). Despite headwinds, Daimler Truck has delivered on the targets for profitability and margin improvement. During the first year as a listed company, the Group has made significant strategic progress, introducing a series of new products and services to lead in sustainable transportation.

In 2022, Daimler Truck launched a number of zero emission vehicles and products, including the electric Freightliner eCascadia, Mercedes-Benz eEconic, Mercedes-Benz eActros LongHaul and Next-Generation FUSO eCanter. Additionally, the company announced restructuring programs in Brazil and the Daimler Buses segment, and launched innovative partnerships with high-tech machinery manufacturer Manz, and infrastructure joint ventures in North America and Europe.

In spite of difficult economic conditions, high energy prices, and supply chain tensions, Daimler Truck has made significant progress towards unlocking its profit potential and continuing its ambition to lead sustainable transportation and tackle climate change. For the 2022 financial year, the Board of Management and Supervisory Board of Daimler Truck Holding AG will propose a dividend payment of €1.30 per share to the Annual General Meeting on 21 June 2023. The Group estimates the heavy-duty truck markets in North America and Europe to amount between 280,000 and 320,000 units, with an adjusted EBIT ranging between €4.0 billion and €5.5 billion. The Group further anticipates an increase in revenue between €53 billion and €57 billion, and an adjusted ROS of the Industrial Business ranging between 7.5% and 9%. Free cash flow of the Industrial Business is expected to be higher in 2023 than the previous year.

It has been determined that self-help measures will be implemented in order to improve the financial situation.



Urban Mobility Survey:

88% of Car Owners Travel <30 km/Day

MG MOTOR INDIA released the findings of its Urban Mobility Happiness Survey conducted by Nielsen to gain insights into the mobility patterns of people residing in 8 major Indian cities. The survey revealed that 74% of respondents struggle with the availability and management of parking spaces, 71% travel with one other passenger, 73% prefer personal mobility for commuting, and 50% own petrol vehicles. This data could prove to be useful for all stakeholders, including policymakers, to facilitate better urban mobility infrastructure.

The findings of the UMHI survey indicate that 77% of respondents use their car's luggage space daily, with 81% using it for a laptop bag. 71% of those surveyed spend more than 30 minutes to an hour on their daily commute, and 52% reported feeling the impact of fuel price hikes. Furthermore, 80% of respondents reported feeling that the air in their city is polluted, and 69% consider the environment when purchasing a car. 90% felt that a compact smart car would reduce their travel time in the city, and 80% experienced anxiety during their daily travel. The survey also calculated a city-wise happiness score for mobility, based on ratings provided by the respondents.



Gaurav Gupta
Chief Commercial Officer
MG Motor India

The 'Urban Mobility Happiness Survey' conducted by MG Motor India revealed that the respondents from AI, Hyderabad and Delhi NCR were not satisfied with the state of mobility in their cities.

Commenting on the survey, Gaurav Gupta- Chief Commercial Officer from MG Motor India said, "The findings of the 'Urban Mobility Happiness Survey' have provided us with valuable insights into the driving behavior of Indian consumers and their preferences for mobility solutions. The survey clearly reflects that car owners, along with the performance and features of their vehicles, also prioritize convenience, safety, and overall driving experience. As a brand that is driven to deliver state-of-the-art mobility solutions, we understand the importance of keeping up with the evolving needs of our customers."



Powering India's Future with E-Mobility

Explore the Latest in E-Mobility at the 2023 Exhibition in India - 23rd & 24th March

THE much-awaited E-mobility Show is all set to take place on March 23 and 24, 2023. The event is expected to attract leading players in the electric vehicle industry, policymakers, and other stakeholders who will gather to discuss and showcase the latest innovations and technologies in the sector.

The theme of this year's event is "Electrifying India's Mobility," reflecting the growing interest in the transition towards sustainable transportation in the country. With the Indian government announcing ambitious targets to achieve 100% electric mobility by 2030, the E-mobility Show is a platform to highlight the potential of electric vehicles and related infrastructure in transforming the transportation landscape.

The two-day event will feature a range of activities, including exhibitions, panel discussions, and keynote addresses by leading experts and industry leaders. Participants will have the opportunity to learn about the latest advances in electric vehicle technology, including battery technology, charging infrastructure, and connected mobility solutions.

The event will also showcase electric vehicles from leading automakers, including two-wheelers, three-wheelers, and four-wheelers. Visitors can expect to see a range of electric cars, electric buses, electric bikes, and other vehicles that are making their way into the Indian market.

"The E-mobility Show is a unique platform for businesses, policymakers, and stakeholders to come together and discuss the future of sustainable transportation in India," said Mr. Rajiv Kumar, President of the Confederation of Indian Industry (CII), which is organizing the event. "We believe that electric mobility has the potential to revolutionize the way we move, and we are excited to showcase the latest innovations in the sector."

The E-mobility Show is expected to attract a wide range of participants, including electric vehicle manufacturers, battery manufacturers, charging infrastructure providers, technology companies, and policymakers. The event will provide a platform for these stakeholders to share their experiences, exchange ideas, and collaborate on initiatives that can help accelerate the transition towards sustainable mobility.

Electric mobility is becoming a critical solution for India to address air pollution and reduce its carbon footprint. The E-mobility Show provides an opportunity for India to exhibit its leadership in the sector and hasten the transition to a cleaner and more sustainable transportation future. The event is expected to draw attention from global players as the world seeks sustainable transportation solutions.



ACMA joins global Right to Repair movement

Auto component industry body ACMA has joined other global associations to lend support to the global right to repair movement. The Automotive Components Manufacturers Association of India (ACMA) said it has become party to the new right to repair position statement to support the automotive aftermarket.

Across the globe, consumers are facing a significant threat to their right to repair their vehicles at the auto repair shop of their choice. With vehicles increasingly becoming like cellphones, connected wirelessly at all times. These connected vehicles collect thousands of data points on the health of vehicle systems and then transmit this to the automakers obstructing access to the independent repair shops.

Globally, the automotive aftermarket keeps 1.5 billion vehicles on the road while contributing USD 1.8 trillion to the global economy. After vehicles exit their warranty period, independent repair shops perform 70 per cent of the repairs.

The Automotive Component Manufacturers Association (ACMA) has expressed concern that automotive manufacturers are blocking access to wirelessly transmitted vehicle repair and maintenance data. ACMA argues that without access to independent parts and repair, especially in suburban and rural communities, consumers will have limited access to affordable vehicle service and repair, which could have catastrophic effects on local economies and the well-being and safety of millions who rely on vehicle transportation daily.



Vinnie Mehta
Director General, ACMA

ACMA Director General Vinnie Mehta noted that the aftermarket in India contributes USD 10.1 billion to the economy and is one of the fastest growing segments of the auto components industry. He also highlighted that a framework for Right to Repair has been created by the Ministry of Consumer Affairs, Food & Public Distribution, which will cover automotive products.

Mehta Also, said that the Right to Repair legislation would help evolve the aftermarket in India into an organised sector, as the size of the aftermarket globally is as large as the OEM supply, but in India it is only 18 per cent of the overall USD 56.5 billion auto components market. The right to repair movement originated from the US, and Australia and South Africa have successfully retained their drivers' right to repair their vehicles.



Switch Mobility launches SWITCH Eiv 22 for BEST fleet

SWITCH MOBILITY has delivered the first batch of electric double-decker buses, called SWITCH Eiv 22, to Brihanmumbai Electric Supply and Transport (BEST) in Mumbai. The 200 electric double-decker buses ordered by BEST are equipped with modern design, safety features, and comfort amenities, with air conditioning and lightweight cushion seats. The electric double-decker bus can accommodate up to 65 passengers and has a range of up to 250 km on a single charge. The battery pack is a 231-kWh capacity, two-string, liquid-cooled, higher-density NMC chemistry battery pack with a dual gun charging system. The buses have been procured under India's National Clean Air Program and are powered by solar energy.

Mahesh Babu, Chief Executive Officer, Switch Mobility, said, the delivery of the first electric double-decker bus to BEST is a significant step towards Switch Mobility's vision of democratizing zero-carbon mobility through innovative and technologically advanced products. The company aims to enhance the sustainable footprint of public transport and provide superior customer comfort and delight through its products. The SWITCH Eiv 22 will carry forward the legacy of double-deckers in Mumbai in this decade and beyond,

BEST's General Manager, Lokesh Chandra, stated that the electric double-decker buses will provide a world-class travel experience to Mumbaikars, and with features like live tracking devices, CCTV cameras, and panic buttons for women's safety, they will be 100% digital and eco-friendly. The induction of these electric double-decker buses in BEST's fleet marks a historic moment for the organization and sets a precedent for sustainable public transport in India.



Bridgestone India to invest in Pune plant

BRIDGESTONE INDIA, part of Bridgestone Corporation, a global leader in tyres and sustainable mobility solutions, announced that it would be investing over Rs 600 crores to meet the increasing demand for quality passenger tyres in the country. The investment will not only upgrade technology but also increase capacity at its Chakan plant in Pune. The said investment will be spread over a period of three years.

"As a global leader in tyre technology, Bridgestone is committed to providing sustainable mobility solutions and the current investment of 70 million euros is in this direction," said Mr. Stefano Sanchini, Managing Director of Bridgestone India.

The initial investment for capacity and technology upgradation will be 70 million Euros (over Rs 600 Crores) which will improve the plant capability in terms of technologies and capacities for the manufacture of tyres for the passenger car segment.

The Chakan plant in Pune commenced production in 2013 and today boasts of sustainable manufacturing practices including a solar power plant and a carbon-neutral biomass fuel-based boiler plant.

Bridgestone serves the Indian automotive sector with superior mobility solutions. In September 2022 Bridgestone India introduced a 'Sturdo' tyre with longer tyre life for the passenger vehicles segment. The tyre has a special tread compound that extends tyre life by up to 29% and improves ride quality on uneven roads. It also has a range of Ecopia tyres that are engineered with a combination of light and strong materials for greater fuel efficiency and to reduce carbon emissions.



Jaguar TCS Racing set for Formula E debut at Greenko Hyderabad E-Prix

JAGUAR TCS Racing will debut their Jaguar I-TYPE 6 in India, as the 2023 ABB FIA Formula E World Championship takes to the streets of Hyderabad for the first time.

Lights will go green at 15:00 local time on Saturday 11 February at the Greenko Hyderabad E-Prix, the first of four brand-new race locations for Season 9 of the all-electric world championship. The race comprises 32 laps of a 2.83km street circuit, positioned on the banks of the heart-shaped Hussain Sagar Lake.

Drivers Mitch Evans and Sam Bird are aiming to secure further points and podiums following positive performances at the Diriyah double-header in January. In rounds two and three, Sam secured third and fourth place positions, while Mitch scored points after finishing tenth and seventh respectively.

Jaguar TCS Racing has partnered with AERO to offer a radical alternative to traditional car paint. AERO's self-healing film system is used on the new black, white, and gold asymmetric livery of the Jaguar I-TYPE 6. It is based on urethane film chemistry that provides better toughness than other coating systems, while also being 60% lighter than spray-applied paints. It also emits zero carbon, no volatile organic compounds (VOCs), and contains no polyvinyl chloride (PVC) compounds, echoing the team's participation in the world's first net carbon zero sport.

James Barclay, Jaguar TCS Racing Team Principal: "The next three race locations are new in Formula E and we enjoy the challenge of new circuits as a team. Hyderabad is a new opportunity for our drivers and engineers to take on and importantly it's also a home race for Tata and our title partner, TCS. It means a huge amount to us as a proud part of the Tata Group to race in India. We are also pleased to announce our new partnership with AERO ahead of this weekend."



SPREADING WINGS



Revolt Motors Expands Dealership Footprint in 3 Cities

RATTANINDIA'S Revolt Motors, India's largest-selling electric motorcycle company, announced the expansion of its retail presence in three new cities, i.e Indore, Guwahati and Hubli. With the opening of these three new dealerships, the pan-India dealership network has increased to 35 dealerships spread across the country.

RattanIndia Enterprises Ltd. had recently acquired 100% shareholding in Revolt Motors, and the company is working towards increasing the dealership network to open 70 plus new stores to meet customer requirements. Revolt Motors has recently re-opened bookings for its flagship model RV400 for Rs. 2,499. Customers can book their RV400 bikes with a booking amount of Rs. 2,499/- on its website, www.revoltmotors.com, with customers slated to get their deliveries before 31 March 2023. The AI-enabled new RV400 is the most advanced electric bike in the country with industry-first features, including mobile touch-based and voice-based capabilities to operate the bike.



All-women production line at Ashok Leyland's Hosur plant

ASHOK LEYLAND, the Indian flagship of the Hinduja Group, launched a new - "All Women production Line" with 100% women employees at the Hosur plant. Ashok Leyland has set up this line with 80 women employees at their Hosur plant To promote women empowerment and attract more women to the manufacturing industry, the company said.

This is an effort by Ashok Leyland to build a more diverse workforce. Ashok Leyland has invested significantly to train and upskill them in core manufacturing skills and they will be responsible for the entire production of the new engine line.

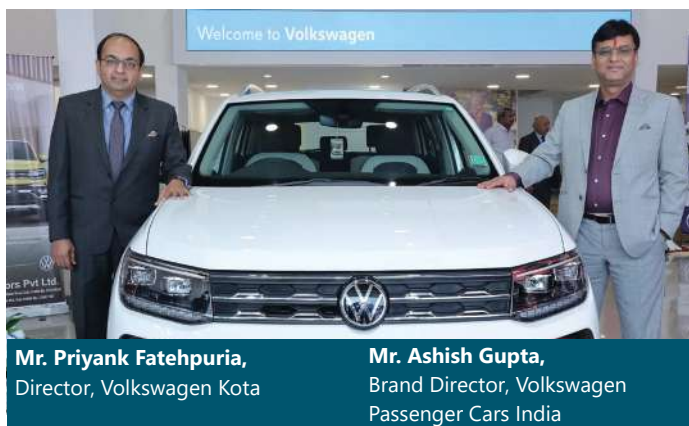
Shenu Agarwal, Managing Director & CEO, Ashok Leyland, said, "At Ashok Leyland, diversity and inclusion have always been priorities, and we have been providing equal opportunities irrespective of gender and ethnicity. Giving women these opportunities enhances not only their lives, but also the lives of their families and the community."

"This initiative is in line with our brand philosophy of "Koi Manzil Door Nahin", as we aim to upskill and generate employment for these women and bring their dreams to life. At Ashok Leyland, we recognize the importance of establishing a better gender balance, and initiatives like this create a more inclusive ecosystem." The new P15 Engine Module (Assembly and Testing) is established in H1 Unit to address the growing demand for LCV products. This new line has an annual capacity of 62,000 engines and will be operating in two shifts.



Volkswagen opens new sales & service center in Kota, Rajasthan

VOLKSWAGEN Passenger Cars India strengthens its presence in Rajasthan with the inauguration of a new touchpoint in Kota. The newly inaugurated touchpoint with a team of 25 employees, will be operated under the adept leadership of Mr. Priyank Fatehpuria, Director, Ardor Motors.



Volkswagen Kota will showcase the Brands' young and fresh product portfolio through a 4-car display – India's safest SUVW, the Taigun, 11 awards winner in the premium mid-size sedan segment, the Virtus & the global best-seller Tiguan. The product portfolio stands true to its Brand legacy offering superior build quality, German engineering, class leading safety features and a fun-to-drive experience.

Ola Electric unlatch a New Experience Centre in Coimbatore

OLA ELECTRIC, an electric vehicle company, has expanded its direct-to-customer (D2C) presence in Coimbatore by launching a new experience center in Gandhipuram, as per PTI. This addition brings the company's total experience centers in the city to two, with the first one having been launched last year on Avinashi Road.

In India's major cities, Ola Electric has already set up 200 such experience centers. The firm aims to increase this number to 500 by March 2023, according to a company statement.

The Ola experience centers are designed to provide all electric vehicle-related services under one roof. These centers enable EV enthusiasts to experience Ola's EV technology, obtain information about the vehicles, take test rides of the S1 and S1 Pro, get assistance in purchasing from Ola's Brand Champions, learn about financing options, and complete their purchase journey on the Ola app. These experience centers also serve as one-stop locations for all post-sales care and maintenance of Ola scooters.



Jaguar Land Rover teams up with Tata for digital transformation

JAGUAR LAND ROVER is partnering with Tata Technologies, the global engineering, product development and digital services company, to accelerate the digital transformation of Jaguar Land Rover's industrial strategy. The first phase will include UK core production facilities, with solutions subsequently deployed to other global locations.

Tata Technologies will deliver end-to-end integrated Enterprise Resource Planning (ERP) to transform Jaguar Land Rover's manufacturing, logistics, supply chain, finance and purchasing modules by bringing data and knowledge from multiple departments into one single source.

The intuitive new user interface of Tata Technologies award-winning software will drive stability in operations, improving visibility both between teams and for suppliers. The net result for the company will be a more agile, faster-to-market capability for new vehicles.

ERP is key to streamlining and consolidating information across core business areas. Creating a dedicated home for data and management processes across departments is fundamental to the transformation of how a business functions. ERP systems are also capable of aggregating, storing and interpreting data to provide insights instantly, helping companies respond to issues, challenges and opportunities in an agile and timely manner.

The agreement furthers Jaguar Land Rover's alignment with the Tata Group of companies as part of its Reimagine strategy. Tata Technologies brings more than 30 years of experience in product and digital engineering, with a global network of over 11,000 employees and clients across multiple countries.

Speaking on the collaboration, Barbara Bergmeier, Executive Director of Industrial Operations, Jaguar Land Rover, commented: "The partnership with Tata Technologies will allow us to accelerate the transformation of our core ERP infrastructure to deliver the efficiency and usability we require for the future and our transformation objectives.

Warren Harris, MD and CEO, Tata Technologies, commented: "We believe this collaboration will help Jaguar Land Rover to build innovative and sustainable vehicles and achieve faster time to market using new-age digital technologies."

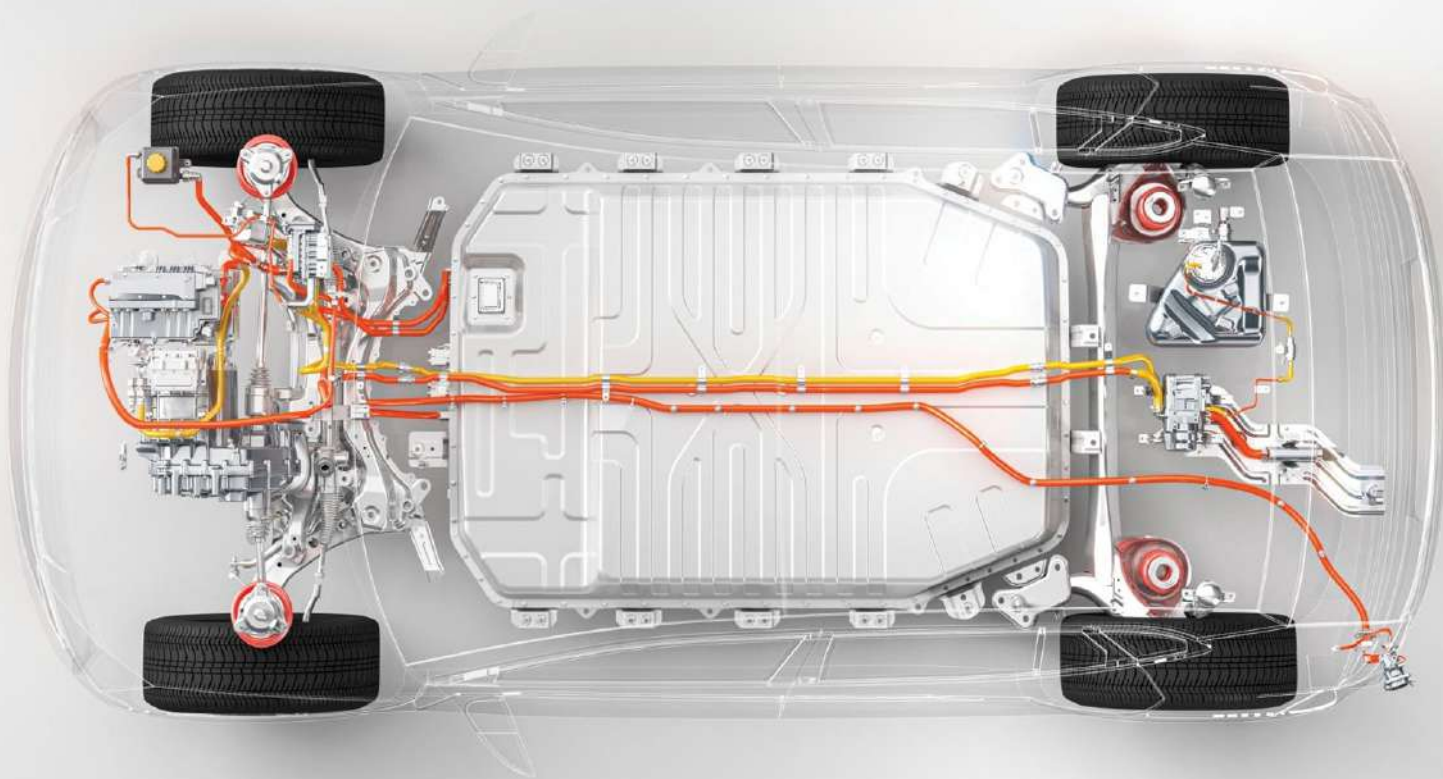


TN unveils a new e-vehicle policy

Chief Minister M K Stalin unveiled the Tamil Nadu government's new electric vehicle (EV) strategy for 2023, which intends to attract 50,000 crores in investments and create 1.5 lakh employment.

THE Tamil Nadu government has recently announced its new Electric Vehicle (EV) policy, offering various incentives and subsidies to encourage EV manufacturing, sales and retrofitting of vehicles from petrol/diesel to electric. The policy targets to draw investments worth 50,000 crores and generate 1.5 lakh jobs. The policy has been welcomed by the EV industry for its comprehensive set of incentives for EV manufacturers and customers. The government has also committed to electrifying 30% of their public transportation fleet by 2030 and will prioritize setting up charging infrastructure.

In order to encourage the adoption of electric vehicles, the government has set forth a policy that offers incentives for public charging stations. These incentives include reduced energy tariffs for the first two years and thereafter a 50% reduction for the subsequent two years. Additionally, charging stations are to be placed at 25-kilometer intervals on both sides of national and state highways.



SPRL to acquire 75% shareholding in Takahata precision

SHRIRAM PISTONS & RINGS LIMITED ("SPRL"), one of India's most recognised auto component manufacturing company, has announced to acquire 75% shareholding in Takahata Precision India Private Limited ("TPIL") through its wholly owned subsidiary, SPR Engenious Limited ("SEL"). The purchase consideration for 75% equity is INR 850 Million (Enterprise Value of INR 2,220 Million). This will mark SPRL's foray into the manufacturing of the precision injection moulded components.

Takahata Precision Co. Ltd., Japan ("Takahata Japan") is a leading precision injection moulded parts manufacturing company with a wide range of products in the automotive space. Takahata Japan is also present in Industrial products/parts such as office automation equipment, optical equipment, residential facilities, medical equipment and accurate measuring instruments.

Commenting on the proposed investment, Krishnakumar Srinivasan, MD & CEO SPRL said, "with this strategic investment, SPRL aims to diversify its product portfolio beyond the current pistons, rings, engine valves and EV components to precision plastic injection moulded parts. With the operations & technology support of Takahata Japan to TPIL, we will be able to service the domestic and global customers requiring precision moulded parts both for automotive & industrial applications. Takahata brings in their high technology expertise to develop complex parts for these applications"



Krishnakumar Srinivasan
MD & CEO,
Shriram Pistons & Rings



Sonalika Records 14.1% market share

INDIA'S No1 tractor export brand, Sonalika Tractors has always been motivated about taking reformative steps aimed at supporting farmers in addressing everyday farm requirements. Winning farmer's hearts with this symbolic outlook, Sonalika has registered its highest ever YTD Feb'23 overall sales of 1,37,344 tractors with highest ever market share of 14.1 per cent. Moving into the final stages of FY'23 with such outstanding accomplishment very well illustrates Sonalika's consistency in delivering on evolving demands with its advanced tractors and grow together with farmers.

Farming in India is full of complexities and Sonalika has remained a farmer-centric brand since its inception to maximise their income & productivity even with their limited access to resources. With record overall production of food grains season after season as well as government support, cash flows at farmer's end are expected to improve, thereby creating a good platform for upcoming seasons ahead in FY'24.

Commenting on the new achievement, Raman Mittal, Joint Managing Director, International Tractors Limited, said, "Considering product quality as the first and foremost requirement of farmers, we have been innovating aggressively and feel overwhelmed to see a faster adoption of mechanisation by farmers. We are excited to have clocked our highest ever YTD Feb'23 overall sales of 1,37,344 tractors with growth surpassing industry and record highest ever 14.1 per cent market share. Fourth year in a row, rabi food grain production has been consistently on the rise and interestingly even its crop prices are exceeding MSP in certain markets, whereas input costs have more or less remained firm. Such conducive factors which will subsequently result in higher disposable income at farmer's end and expected to drive outlay for closely following up Kharif crop season. At Sonalika, we have robust system to forecast demand and all our strategies to harness new age technologies are aligned with farmer's on-ground requirements."

SONALIKA
LEADING AGRI EVOLUTION



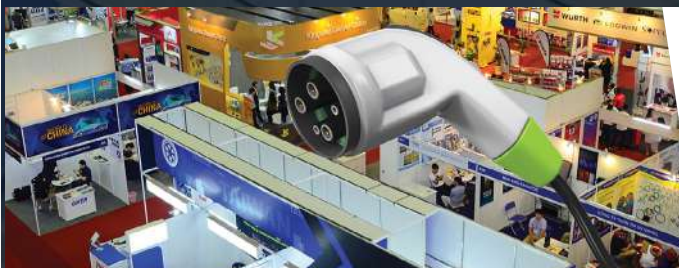
Mr. Raman Mittal
Joint Managing Director,
International Tractors
Limited

GLOBAL EYE



Automechanika 2023 to explore Vietnam's auto supply chain

IN 2022, Vietnam maintained its status as the fastest-growing economy in Southeast Asia, with an 8% increase in GDP exceeding earlier estimates. The major force behind the growth was the 8.1% expansion of the manufacturing sector. This growth has attracted foreign investment, with a 13.5% year-on-year increase in disbursed FDI, and the Government has enacted the Vietnam Electric Vehicle Industry Development Plan in order to become a leading manufacturer of EVs. Companies such as Vinfast are collaborating with international brands to improve production and quality, however, further action is still needed from the Government to mobilise resources.



Automechanika Hanoi has launched in Hanoi, Vietnam, with the aim of enhancing end-user experiences and advancing the global EV market. This launch included the support of various organisations, such as the Vietnam Automotive Technicians Network (OTO-HUI), the Vietnam Association of Mechanical Industry (VAMI), the Vietnam Association for Supporting Industries (VASI), the Vietnam Automobile Transportation Association (VATA), and NC Network. Additionally, the Automechanika Connected Exchange, Smart Factory and Industry 4.0, and Electrification and Digitalisation Conferences will focus on ways to enhance the vehicle lifecycle and develop digital solutions to meet the demands of EV technology. To further support EV growth, talent must also be nurtured to boost productivity in manufacturing and after-sales services.

Tesla recalls 362,000 vehicles over self-driving software in the US.

TESLA is recalling over 362,000 vehicles in the US to update its Full Self-Driving, Beta software after the National Highway Traffic Safety Administration, found that the driver assistance system did not adequately adhere to traffic safety laws and could cause crashes. The NHTSA said the Tesla software allows a vehicle to "exceed speed limits or travel through intersections in an unlawful or unpredictable manner increases the risk of a crash." This is a fresh setback for Tesla's driver assistance system, as it has repeatedly missed its own targets to achieve self-driving capability, which CEO Elon Musk has touted as a potential cash cow.



US, EU to Talk Free-Trade, EV Dispute

ON 3rd March, President Joe Biden and European Commission President Ursula von der Leyen are expected to begin negotiations on achieving free-trade agreement-like status for the European Union, according to two sources familiar with the plans. The leaders are set to meet in Washington on Friday.

Reuters previously reported that the United States and the EU were collaborating to make European minerals eligible for tax credits under the \$430 billion U.S. Inflation Reduction Act (IRA), as confirmed by a senior EU official. The IRA requires that increasing percentages of battery minerals come from either the United States or a Free Trade Agreement (FTA) partner.

The U.S. Treasury department, which oversees the electric vehicle (EV) tax credits at the heart of the dispute, will assess any newly negotiated agreements to ensure they meet the critical minerals requirement of the tax credit during the rulemaking process, according to a department spokesperson. The spokesperson also stated that given the extremely high concentration of Chinese control over critical mineral extraction globally, strengthening the supply chains for critical minerals with like-minded partners is vital for the growth of the clean energy economy, and working with allies to reduce U.S. reliance on China for critical minerals would aid U.S. energy and economic security.

The available tax credits offer up to \$3,750 per vehicle and relate to critical minerals for batteries, taking effect when the U.S. Treasury issues guidance, which is expected later this month.

While the EU, South Korea, Japan, and other U.S. allies have criticized the IRA's provision requiring EVs to be assembled in North America to qualify for consumer EV tax credits, the EU praised a U.S. Treasury Department decision in December to allow EVs leased by consumers to qualify for up to \$7,500 in commercial clean vehicle tax credits.

Joe Biden

President of the United States

Mahindra ZOR Grand Top EV in Cargo Segment

THE ZOR GRAND DV+ is an electric three-wheeler that promises to meet last-mile connectivity needs with its large compartment at the back. Mahindra Electric Mobility Ltd. has received over 12,000 reservations for vehicles from logistic firms through strategic MOUs.

The ZOR GRAND DV+ is powered by a lithium-ion battery pack and an electric motor with a peak power of 12 kW, providing a range of over 100 km. The vehicle has a best-in-class gradeability of 11.5 degrees and promises good pickup and acceleration with 50 Nm of torque. The driver's cabin features a fully digital instrument cluster, pedal brakes, and forward, neutral, and reverse options.

The ZOR GRAND DV+ promises a payload capacity of around 400 kg with an OE-fitted 140 | 170 cubic feet delivery box. Mahindra and Mahindra offer a five-year warranty on the vehicle, with a three-year standard warranty and a two-year external warranty on the battery pack. The ZOR GRAND DV+ also has the NEMO-connected vehicle platform for greater fleet administration and operating efficiency. The cloud-based platform called NEMO offers better insights into the functioning of the vehicle and addresses adoption challenges for EVs like range anxiety and battery performance. The ZOR GRAND DV+ is positioned to revolutionize the freight market with its unequalled incremental savings in the category, best-in-industry performance, cutting-edge lithium-ion technology, and more.



Hydrogen and Green Fuel will be India's future fuel: Gadkari.

ADDRESSING the second Ideas of India Summit organised by the ABP Network. India's future vehicles will run on hydrogen and green fuels, said Union Minister for Road Transport and Highways, Nitin Gadkari. He added that Lithium-ion batteries will lead the shift from petrol and diesel-driven cars and that India will soon become a net exporter of Lithium. Gadkari expressed confidence that public transport in the country will be revolutionized in the coming years, and highways will bring down travel time between key cities drastically. The minister, however, acknowledged that his ministry and government have failed to curb the accident rate on Indian roads and urged the society to introduce road safety education at the primary level. The remarks were made at the second Ideas of India Summit organized by the ABP Network.



During his speech, Nitin Gadkari also emphasized the importance of developing indigenous technologies to reduce India's dependence on imported goods. He mentioned that the country has the potential to become a leader in various sectors, including electric vehicles and hydrogen fuel cells.

Bhavish Agarwal: Automotive Industry Key to India's Industrial Base

THE automotive industry is one of the toughest industries; it is the cornerstone of industrial society, said Bhavish Agarwal, Co-Founder and CEO of Ola Cabs. Speaking at ABP Network's second edition of the 'Ideas of India' summit on the topic, 'Come Ride With Me – How I Made It', he said, "This is India's moment in the sun. It is our mission to lay down advanced technology for future technology generations".

He explained the three businesses under the Ola Group, with Ride Sharing and consumer businesses as the highest contributor to the company's revenue. "We are India's #1 cab servicing company," he said. "It is a highly profitable business, which is why I was planning on announcing an IPO, but because the markets went down, we are planning to do it next year now," he added. The second business, Ola Electric, has grown with their electric 2-wheeler scooter launch. "We need to humanise the EV revolution in India and design products suitable for the Indian market," he said



Bhavish Aggarwal
Ola Cabs Co-founder

Revving Up: Top 6 upcoming Electric Cars in 2023

SEVERAL ELECTRIC VEHICLES were introduced in the Indian automotive market, and it is expected that more EVs will be launched in the year 2023. Despite the fact that India's EV infrastructure is not yet well-established, the populace is gradually embracing EVs as an alternative to traditional gasoline-powered cars.

Let's take a look at the top 6 upcoming electric cars in 2023.

Citroen eC3

Citroen India has launched the electric version of its C3, called the eC3, in India. Bookings are open with a booking amount of Rs 25,000, and the car will be available in showrooms by February 2023. The eC3 has a range of up to 320 km on a single charge and comes with a single 29.2 kWh battery pack and a 3.3 kW onboard AC charger. It is powered by a single electric motor that can produce 57 hp of power and 143 Nm of torque. The eC3 is available in two variants - Live and Feel - and comes with features such as a 10.2-inch infotainment system, wireless Apple CarPlay/Android Auto, and connected car technology. Safety features include dual airbags and ABS with EBD.



Tata Punch EV

TATA was expected to showcase the electric version of its micro SUV, Punch, at the Delhi auto expo. The Punch EV will be based on the ALFA platform and is likely to be powered by the Ziptron electric powertrain with a higher power output. It is expected to offer two battery pack options - medium range and long range. The Punch EV will have electric-themed styling tropes and an Electric-specific Teal Blue shade with a tri-arrow design and a 'humanity' line grille. The interior will retain much of the look from the petrol variant but will have an EV-themed colour detailing with electric blue accents. The price range is expected to be between Rs 10 lakh and Rs 14 lakh.



MG Air EV

THE MG Air is a compact electric car that is essentially a rebadged version of the Wuling Air EV. It has a stylish exterior with LED lights and 12-inch steel wheels, while the interior features leather upholstery and 10.25-inch digital screens. The car comes in two battery pack options and has a range of either 200km or 300km. It is expected to be priced between Rs 8-10 lakh and will compete with other electric cars in the market.



Volvo C40 Recharge

VOLVO announced that the C40 Recharge coupe SUV will arrive in the Indian market in 2023, making it the second electric vehicle by Volvo in India after the XC40 Recharge. The C40 Recharge is based on the XC40 Recharge and only features an electric powertrain. It has a twin electric motor setup powered by a 78-kWh battery, providing a range of approximately 420 km. The C40 Recharge supports up to 150 kW of fast charging, and the battery can be charged from 0 to 80% in 40 minutes. It will be available in three variants and will compete with other electric vehicles in the market. The price is expected to be just under Rs 60 lakh.



Skoda Enyaq EV

THE Skoda Enyaq EV is an electric vehicle based on the MEB modular electric platform. It has a skateboard architecture that can house different battery packs and motors. The Enyaq is expected to be brought to India via the CBU route and will feature an 82kWh battery with 125kW DC fast charging, providing a range of up to 513km. It has dual electric motors, producing 265 hp and an all-wheel drive system, with lower-spec, two-wheel drive variants expected to be offered as well. The Enyaq also has a range of features, such as a panoramic sunroof, tri-zone climate control, head-up display, and a 13-inch touchscreen infotainment system with connected car technology.



Polymer coating boosts electric car battery performance

RESEARCHERS at the Berkeley Lab have developed a new conductive polymer coating, HOS-PFM, that can enhance the performance and durability of lithium-ion batteries used in electric vehicles (EVs). The coating can conduct both electrons and ions simultaneously, which ensures high charge/discharge rates, battery stability, and extended battery life. The researchers coated aluminum and silicon electrodes with HOS-PFM and demonstrated that the coating significantly prevented these electrodes from degrading during battery cycling, delivering high battery capacity for over 300 cycles, which is on par with state-of-the-art electrodes.

The HOS-PFM coating also shows promise as a battery adhesive that could increase the lifespan of a lithium-ion battery from an average of ten years to approximately fifteen years. The researchers believe that the HOS-PFM coating could increase the energy density of lithium-ion batteries by at least 30%, as it allows for the use of electrodes containing as much as 80% silicon, which is cheaper than the standard graphite material used in electrodes today. Cheaper batteries could increase the availability of entry-level EVs, making EVs more affordable and easier to manufacture. The researchers plan to work with companies to scale up HOS-PFM for mass manufacturing.



Kia India commences CSD delivery for Defence Personnel

ONE of the fastest-growing carmakers in the country, Kia India, today forayed into CSD operations as a registered seller, committing to the enhanced accessibility to the Defence Personnel of the country. The company has received over 100 bookings under this new channel and will soon be commencing deliveries of the Sonet and the Carens across its nationwide dealerships. At an event in Frontier Kia, Gurugram, Mr. Myung-sik Sohn, Chief Sales & Business Officer, Kia India, handed over the keys of the Seltos to its proud owner, Major General Vikal Sahni.



Mr Myung-sik Sohn Chief Sales Business Officer Kia India handing over the keys of the Kia Seltos to Major General Mr Vikal Sahni

Speaking at the event, Mr. Myung-sik Sohn, Chief Sales & Business Officer, Kia India said, "The Defense Personnel of India are true heroes, and we at Kia India are honoured to be able to serve them with this new initiative. This is yet another milestone in our journey and a humble initiative to partner with our men and women in uniform for their immense contribution to safeguarding this great nation. Commencement of CSD delivery is a promising move to do our bit for the real-life heroes and to introduce them to an exciting world of Kia which inspires everyone. We're thankful to our first valued customer, Major General Vikal Sahni, for bestowing faith in our Seltos, which marked the commencement of the Kia India journey."



ELECTRONICS FOR ELECTROMOBILITY

Designing Next Generation Mechatronics for EVS



CHARGING SOLUTIONS



E-BIKE & E-SCOOTER CHARGERS



LEVEL 2 CCS CHARGERS



DC CHARGING STATION CABLES & GUNS

MECHATRONIC PRODUCTS



ELECTRIC WATER PUMPS & VALVES



DC-DC CONVERTERS



ACTUATORS

PAVNA

ADDING VALUE TO
automobile
WORLDWIDE

— SINCE 1971 —

PAVNA GROUP

enjoys a history of more than



of innovation, technology, manufacturing and market leadership, as the most experienced automotive part solutions company in **South Asia.**



Continuous
Quality Gold Awards Winner

High Quality Genuine Spare Parts
for Automotive Industry

Global Technical Alliance

Ultra - Modern Manufacturing Plants
in Aligarh, Pune, Waluj & Pantnagar



4 Wheeler Parts



3 Wheeler Parts

Grab Handle



Chain Tensioner



Blinkers



Fuel Tank Cap



Ignition Locks



Lever



Fuel Cock



Oil Pump



Coupling
with Sprocket



Scan & Visit
www.pavnagroup.com

+91 80064 09330

enquiry@pavnagroup.com

Vimlanchal, Harinagar, Gopalpuri
Aligarh - 202001