



Commercial Vehicle Solutions

Department Finance
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Date May 27, 2024

ZF Group · ZF Commercial Vehicle Control Systems India Limited, Chennai 600058

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Scrip code: 533023

Listing Department,
National Stock Exchange of India Ltd,
Exchange Plaza, C-1, Block G,
Bandra - Kurla Complex,
Bandra (E), Mumbai 400 051.

Trading Symbol: ZFCVINDIA

ISIN : INE342J01019

Dear Sir,

Sub: PRESS RELEASE ZF COMMERCIAL VEHICLE CONTROL SYSTEMS INDIA LIMITED WITH THE INDIAN INSTITUTE OF TECHNOLOGY, MADRAS (IITM)

We enclose a Press Release regarding, ZF Commercial Vehicle Control Systems India Limited with the Indian Institute of Technology, Madras (IITM)

Date and of occurrence of event : May 24, 2024 at 3:30 pm

We request you to take consider the above information.

Thank you,

Yours sincerely,
ZF Group.

Muthulakshmi M
Company Secretary,
ZF Commercial Vehicle Control Systems India Limited.

ZF Group



PRESSE-INFORMATION
PRESS RELEASE

Page 1/4, 23rd May 2024

ZF Commercial Vehicle Control Systems India Ltd and IIT Madras forge pioneering partnership to build Global Mobility Digital Infrastructure

- This collaboration between ZF and IIT Madras will support establishment of Bharat Multi-Modal Mobility Stack (BM³S), a first-of-its-kind global digital infrastructure platform for sustainable and intelligent transportation.
- Industry, Government and Academia will co-create to enable holistic system solutions aligned with sustainability goals for the industry and the country
- BM³S focuses on safety, sustainability, and equity, aiming to achieve 50% reduction in transport emissions and accidents.
- BM³S to enable holistic system solutions with “Make in India for the world”

Chennai, May 24, 2024: ZF Commercial Vehicle Control Systems India Limited today signed a Memorandum of Understanding (MoU) with the Indian Institute of Technology, Madras (IITM), focusing on the ‘Mobility and Intelligent Transportation’ (MInT), which has an ambitious goal of building the Bharat Multi-Modal Mobility Stack (BM³S). The BM³S is a game-changing digital mobility infrastructure empowering development of holistic system solutions for sustainable and intelligent transportation globally.

“At ZF, we are committed to shaping the future of mobility with innovative solutions that are technologically advanced and create connected, safe, smart, and sustainable mobility,” says **Mr. P. Kaniappan, Managing Director, ZF Commercial Vehicles Solutions India Limited**. “This collaboration with IITM is a definitive step towards addressing challenges of modern mobility. BM³S has the potential to revolutionise how we approach transportation, in India and the



PRESSE-INFORMATION
PRESS RELEASE

Page 2/4, 23rd May 2024

world, and we are excited to be a part of this groundbreaking initiative and in the overall greater digital mobility.”

Dr. Christian Brenneke, Head of R&D and System Solutions – Sr VP, Engineering Solutions, ZF CVS stated, “Modern India’s mobility challenges are also reflective of the issues faced worldwide. ZF is at the forefront of driving cutting edge mobility technologies and solutions that most effectively address these issues, with the potential to transform and scale up for global needs. The MInT collaborative is a testament to this vision and will give a greater impetus to the initiative. Through continued collaboration between industry leaders like the ZF Group, forward thinking government agencies, and globally recognized academic institutions like IIT Madras, the industry will be better positioned to accelerate the development of cutting-edge mobility technologies.”

Prof. Manu Santhanam, Dean Industrial Consulting and Sponsored Research, IIT Madras stated: “IIT Madras is committed to bringing about technological innovations through translational research. We have multiple centres working in the area of mobility and digital technologies. The MInT collaborative and this partnership with ZF, a global leader in mobility products and solutions, will help accelerate mobility research to practice.

With a focus on safety, sustainability, and equity, BM³S will pave the way for significant advancements in electric vehicles, autonomous driving, and intelligent transportation systems. It aims to seamlessly integrate data streams, payment systems, vehicle technologies, and digital twin models.

Working together this collaboration aims to co-create a digital platform that will drive the development of holistic system solutions aligned with the UN’s Sustainable Development Goals (SDGs) including:

- Sustainable Transport (11.2): Achieve a **50% reduction in total transport emissions.**
- Accident Prevention (3.6): **Reduce fatalities by 50%.**
- Energy Efficiency (7.3): **Ensure 50% of all transport** comes from net zero modes.

A Ganesamoorthy, Head of Engineering, CVS R&D, Region India, is the lead for this collaborative from ZF and will facilitate co-creating system solutions that enable Mobility and Intelligent Transport with digital infrastructure as the innovation engine.



PRESSE-INFORMATION
PRESS RELEASE

Page 3/4, 23rd May 2024

Dr. Ramakrishna Srinivasan, the CEO, MInT Collaborative, IIT Madras stated, "By bringing together industry, government, and academia, the MInT consortium will co-create BM³S, laying the foundation for a safer, more sustainable, and equitable mobility ecosystem. We are happy to anchor the MInT Collaborative with world-leading technological and human resources in numerous fields. This initiative is the beginning of the exciting technology journey to bring to life the 'Mobility Dreams for a Billion'. Mobility - safe, and efficient movement of people and goods - is the backbone of the modern economy. Digital infrastructure complements and optimizes the physical infrastructure and is an innovation engine to advance future mobility."

Prof. Gitakrishnan Ramadurai, Faculty In-charge, MInT Collaborative, IIT Madras said: "The Bharat Multi-Modal Mobility Stack is a digital platform to foster the "Build for India, Solve for the World" Goals. It defines mobility as a digital public good and serves as a benchmark for standardizing, developing and deploying mobility tools and services for a billion and more. "

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About ZF

ZF is a global technology company supplying advanced mobility products and systems for passenger cars, commercial vehicles and industrial technology. Its comprehensive product range is primarily aimed at vehicle manufacturers, mobility providers and startup companies in the fields of transportation and mobility. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate as well as enhancing safe mobility. Alongside the automotive sector – passenger cars and commercial vehicles – ZF also serves market segments such as construction and agricultural machinery, wind power, marine propulsion, rail drives and test systems.

With some 168,700 employees worldwide, ZF reported sales of €46.6 billion in fiscal year 2023. The company operates 162 production locations in 31 countries.

About IIT Madras

Indian Institute of Technology Madras (IITM) was established in 1959 by the Government of India as an 'Institute of National Importance.' The activities of the Institute in various fields of Science and Technology are carried out in 18 academic departments and several advanced interdisciplinary research academic centres. The Institute offers undergraduate and postgraduate programmes leading to B.Tech., M.Sc., M.B.A., M.Tech., M.S., and Ph.D., degrees in a variety of specialisations. IITM is a residential institute with more than 600 faculty and 9,500 students. Students from 18 countries are enrolled here. IITM fosters an active entrepreneurial culture with strong curricular support and through the [IITM Incubation Cell](#). Recognized as an Institution of Eminence (IoE) in 2019, IITM has been ranked No.1 in the 'Overall' Category for the fifth consecutive year in India Ranking 2023 released by [National Institutional Ranking Framework](#), Ministry of Education, Govt. of India. The Institute has also been ranked No.1 in the 'Engineering Institutions' category in the same

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PRESSE-INFORMATION
PRESS RELEASE

Page 4/4, 23rd May 2024

Rankings for eight consecutive years – from 2016 to 2023. It was also adjudged as the 'Top innovative Institution' in the country in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019, 2020 and 2021. ARIIA Ranking was launched by the Innovation Cell of Ministry of Education.

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