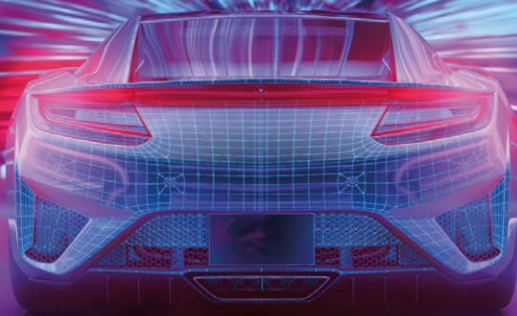


VESTEL AUTOMOTIVE SOLUTIONS

ENSURING CONTINUITY



VESTEL
MOBILITY

VESTEL MOBILITY

Vestel Mobility is a part of Vestel Group which is a renowned global leader in the field of innovation and technology. Vestel Mobility is actively contributing towards the future of transportation and energy transition by specializing in automotive electronics, battery solutions, and electric vehicle (EV) chargers.

In the automotive electronics sector, Vestel Mobility excels in engineering and manufacturing advanced electronic control units (ECUs), EV powertrain components and cockpit electronics such as clusters and infotainment displays.

Vestel Mobility is also a prominent player in the battery solutions arena, producing high-quality battery packages for eBikes, telecom towers, and energy storage systems. These solutions cater to a wide range of residential, commercial, industrial and utility applications.

Furthermore, Vestel Mobility showcases its commitment to promoting sustainable transportation systems by offering a comprehensive range of EV chargers. With both AC and DC options available, Vestel aims to provide seamless and eco-friendly charging infrastructure to support the growing adoption of electric vehicles.



With over 40 years of experience, a vast city-size 1.3 million m² industrial complex, 11 offices based around the world, clientele from over 160 countries, a client-orientated mindset, and true R&D, Vestel embodies a legacy of excellence and a commitment to advancing industries at the intersection of innovation and sustainable solutions.



Exports

160+ countries



Export Leader of Turkey

for the last 26
consecutive years



900+ Customers

500+ Brands



Established over

1.3 million m²



20.000+

Employees



AVAILABILITY

Vestel Trade	Manisa
Vestel UK	London
Vestel France	Paris
Vestel Germany	Munich
Vestel Iberia	Madrid
Vestel Holland	Rotterdam
Vestel Russia	Moscow
Vestel Central Asia	Almaty
Vestel Romania	Bucharest
Vestel Poland	Warsaw
Vestel Gulf	Dubai
Vestel USA	New York



Headquarter
Manufacturing Facility



VESTEL SUSTAINABILITY GOALS



42% absolute value reduction in Scope 1 and 2 greenhouse gas emissions.



30% reduction in energy intensity (per unit product).



Using **50%** recovered and recycled water.



Reducing the amount of water withdrawn per unit of production by **35%**.



Zeroing the amount of waste sent to landfills.



Achieving a female employee ratio of **40%** of the total workforce.



Vestel's vision is to be a technology company creating social and environmental benefits through accessible and smart products that make life easier. We are investing in innovative business models for transition to a net zero emission economy and striving to implement circular models in both our products and operations.

We are developing solutions that meet the needs of the future. We are designing products free from hazardous chemicals, that use recycled and recyclable materials, which are durable, easy to repair as well as energy and water efficient.

We calculate and report our carbon footprint according to the ISO 14064 standard and our water footprint according to the ISO 14046 standard and have these verified by independent third parties. We share our performance transparently through our CDP reports. We aim to reach net zero emissions by 2050, first in our own operations and then throughout our entire value chain. To that end, we aim to switch to technologies that cause less greenhouse gas emissions in production, increase renewable energy investments and manufacture products with high energy efficiency, less water consumption, and resource efficiency benefits.

We aim to strengthen our presence as a global player with our experience, vision, intellectual power, and technological prowess; and we are determined to contribute to a better and livable world, focusing on our environmental, social and governance performance.



INNOVATION

VESTEL's approach brings the true meaning of custom design experience and creates the highest level of technology solutions from scratch. VESTEL Battery Solutions R&D team ensures complete client satisfaction by meeting the needs of any project at the highest quality. Combining the latest technology test and simulation tools alongside the design and manufacturing capabilities all in-house.



Fast and Fully Customized Projects by Providing Direct Access to our R&D Team.



R&D Investment Amounting to an Average 80M USD.



7 R&D Centers in 4 Countries.



Among Top 50 Companies in Patent Applications in Europe.

PRODUCTION WITH HIGHEST QUALITY

TPM Awarded Manufacturing Facility

Awarded for World-Class TPM Achievement

Auto Grade Production for BMS

Automotive Grade In-house BMS Manufacturing with IATF 16949 Certification at Europe's biggest automated PCB facility.

Automated Production Lines

Fully automated cell sorting for the best possible cell balancing.

Laser Welding

Fully automated laser welding technology.

In-house Accredited Testing Facilities

Vestel Battery Solutions provides the utmost quality products with highest standards of quality with in-house accredited testing facilities for environmental, electrical, software and mechanical tests.



Tracking Real Time



ERP Integration



Real Time Planning



Traceability

PRODUCT SCOPE

Vestel has manufactured a diverse range of auto component products, and new products are also covered under their plans.



Automotive Display Solutions

Leveraging over 40 years of display experience, Vestel brings advanced screen technologies to the automotive sector, providing an enhanced screen experience for both drivers and passengers.



Domain Control Units

Domain Controller Units represent the next generation of automotive system management. These units centralize and streamline control over various vehicle domains, enhancing integration and efficiency. With their advanced architecture and robust performance, our Domain Controller Units drive innovation, ensuring seamless operation, enhanced safety, and a superior driving experience.

01

Cluster
Display



02

CID/
Passenger
Display



03

Rear Seat
Entertainment
Display



04

BDCC/BCM



05

HPCC/IDCC



06

Zonal
Module



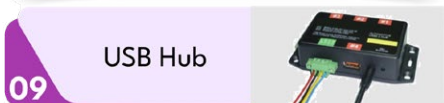
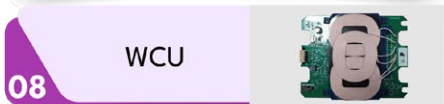
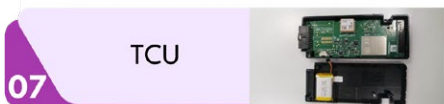
EMS & FSS

EMS Only



Electronic Control Units

Electronic Control Units, which manage the vehicle's electrical and sub-systems, offer innovative and reliable solutions for the automotive industry with their advanced technology and superior performance.



EMS & FSS

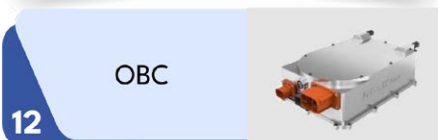
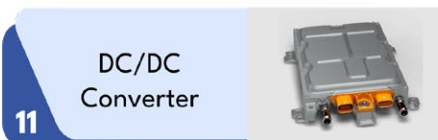


EMS Only



EV Powertrain

The EV Powertrain product group is designed to elevate the performance and efficiency of electric vehicles. These cutting-edge components ensure optimal energy conversion, charging efficiency, and power management. Our EV Powertrain solutions deliver unparalleled reliability and advanced technology, contributing to a greener, more sustainable future in the automotive industry.



PRODUCTS





AUTOMOTIVE DISPLAY SOLUTIONS



As Europe's biggest display producer, Vestel is synonymous with innovating, designing, and manufacturing cutting-edge display solutions such as TVs, IVIs LED and LCD Videowalls, interactive displays, and digital signage displays for more than 500 brands.

In the automotive industry, digital displays have become essential components inside vehicles. These displays provide immense convenience for drivers by offering real-time information, wide-ranging data, and the ability to control infotainment systems through various shortcuts. Additionally, they are crucial for enhancing the in-vehicle entertainment experience for passengers.

At Vestel, we start from the ground up to define and fulfill our customers' needs, delivering tailored solutions with our expertise in UI/UX, mechanical design, hardware, and software. Our comprehensive approach ensures that we offer innovative and valuable display solutions that meet the evolving demands of the automotive industry.



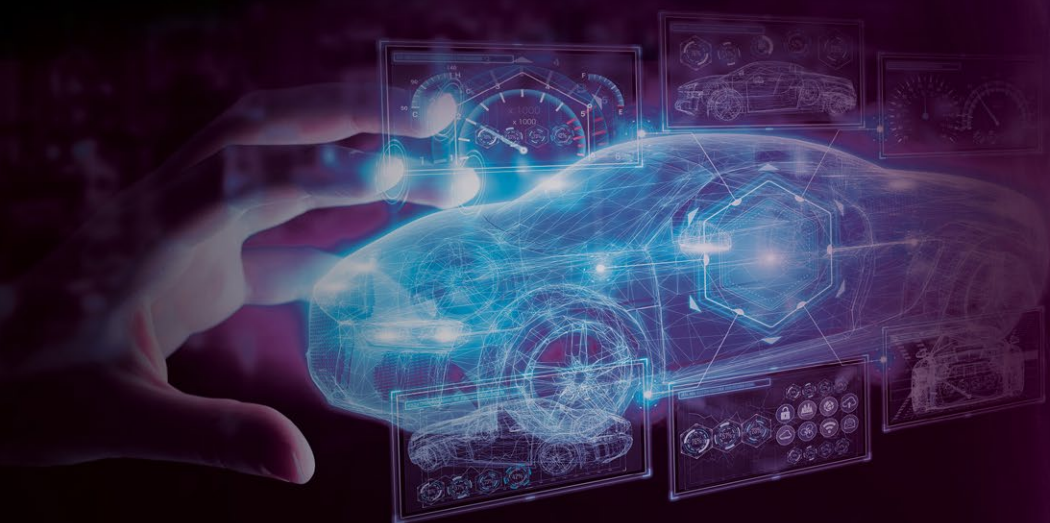
DOMAIN CONTROL UNITS




Vestel Mobility specializes in the design and manufacturing of advanced Domain Control Units (DCUs), which are essential for the next generation of connected vehicles. Our expertise is demonstrated through key products such as the BDCC/BCM (Body Domain Control Center/Body Control Module), which manages and controls critical vehicle functions like lighting, windows, and locking systems, and the HPCC/IDCC (High-Performance Central Computing/Infotainment Domain Control Center), engineered to handle complex computing tasks and manage infotainment systems for an enhanced user experience. Additionally, our Zonal Modules simplify vehicle architecture by consolidating multiple electronic functions into a single unit, reducing wiring complexity and enhancing system reliability. With these innovative solutions, Vestel delivers reliable, efficient, and cutting-edge products tailored to the needs of modern vehicles.



ELECTRONIC CONTROL UNITS



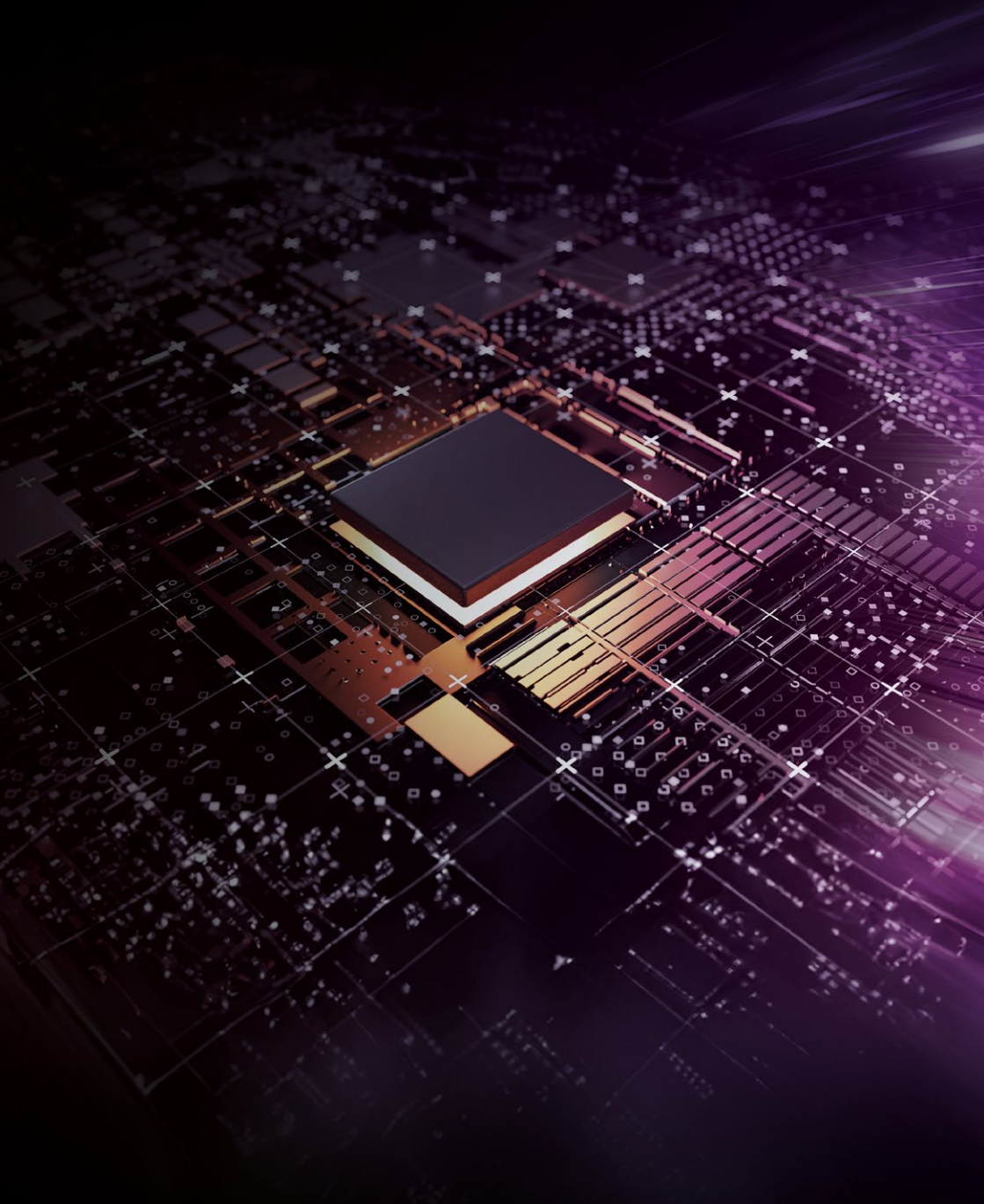
The background of the slide is a dark, deep purple color. It is decorated with numerous thin, bright, and slightly blurred lines of light in shades of purple, blue, and white. These lines radiate from the left side of the frame, creating a sense of motion and depth, similar to a light trail or a stylized representation of data flow.

An electronic control unit (ECU), also known as an electronic control module (ECM), is an embedded system in automotive electronics that controls one or more of the electrical systems or subsystems in a car.

The expertise that Vestel has developed over the years in both hardware and software is the architect of its success in ECU business, which is at the core of mobility.

With our strong R&D and 38 years of experience in electronics, we are capable of designing and manufacturing ECUs for our customers.

EV POWERTRAIN



Vestel Mobility provides comprehensive Electronic Manufacturing Services (EMS) for our EV Powertrain product group, which includes key components such as the DC/DC Converter, OBC (On-Board Charger), and PEU (Power Electronics Unit combining OBC and DC/DC Converter). While the design of these products is provided by our partners, Vestel Mobility manages all other critical aspects of production. This includes handling the entire supply chain management, ensuring quality control, executing assembly processes, and managing logistics to deliver fully assembled, high-quality components. Our expertise in manufacturing and operational efficiency allows us to support the EV industry with reliable and meticulously crafted products that meet the stringent demands of modern electric vehicles.



IPC A610 (CIS) Acceptability of Electronic Assemblies



IPC A600 (CIS) Acceptability of Printed Boards



IPC 7711-7721 (CIT) Rework / Repair and Modification Program



6m

Pcs/Monthly
Capacity



56

Production Lines



1.025

Robots



1.353

Equipments



40.000m²

Closed Area

NOTES

VESTEL

MOBILITY

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