



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Reducing the amount of water withdrawn per unit of production by **35%**.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

Automotive Grade In-house EMS 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 Mobility 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.

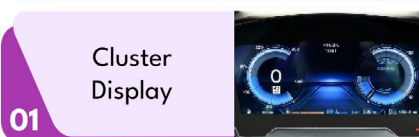


Domain Controller Units

Domain Controller Units (DCUs) are the backbone of the Software-Defined Vehicle. By consolidating dozens of legacy ECUs into a few high-performance controllers, DCUs enable a secure, Ethernet-based, service-oriented architecture. This centralization unlocks faster OTA updates, data-driven diagnostics, feature activation, and lower total cost of electronics, while improving safety, reliability, and time-to-market.

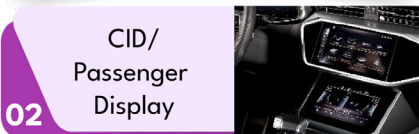
At Vestel Mobility, we help OEMs and Tier-1s industrialize and scale DCUs at quality and cost. Our role is EMS & EMS+ manufacturing for customer-owned designs, covering NPI, component engineering & sourcing, DFM/DFT, PCBA and box-build, test development (ICT/functional/EoL), traceability, and ramp to mass production.

From BDCC/BCM to HPCC/IDCC and Zonal Modules, we manufacture to your specifications with automotive-grade processes.



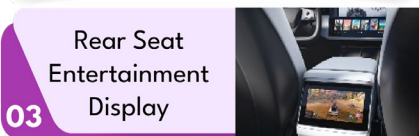
01

Cluster Display



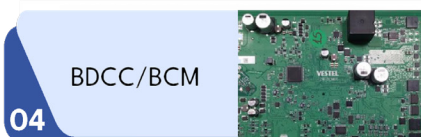
02

CID/
Passenger Display



03

Rear Seat Entertainment Display



04

BDCC/BCM



05

HPCC/IDCC



06

Zonal Module



EMS & FSS



EMS Only



Vestel Mobility is your manufacturing and supply chain partner

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.



Our manufactured EV Powertrain solutions

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.

07

TCU



08

WCU



09

USB Hub



10

Combi ECU1



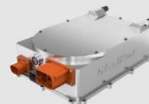
11

DC/DC Converter



12

OBC



13

PEU
(OBC + DC/DC)

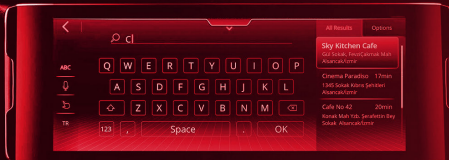


EMS & FSS

EMS Only

PRODUCTS





AUTOMOTIVE DISPLAY SOLUTIONS



As Europe's biggest display producer, Vestel is synonymous with innovating, designing and manufacturing display solutions such as TVs, LED and LCD Videowalls, interactive displays and digital signage displays for more than 500 misses a c in consumer electronic brands.

Digital displays are the key-elements inside the vehicle. it brings immense convenience for drivers by giving real-time demonstrations, wide-range-information and controlling infotainment system from various shortcuts. It is also essential for in-vehicle entertainment experience of the passengers.

Aligned with market trends and OEMs specific requirements, we identify and address customer needs, delivering innovative, high-value solutions through our UI/UX, optical, mechanical, hardware, and software expertise.

Vestel Mobility helps you on the complete product cycle with in-house expertise and facilities, from design and validation to manufacturing.

DOMAIN CONTROL UNITS



Software Defined Vehicles for the future of mobility. The new vehicle architecture to optimize cost and performance.

One main master compute, zonal modules only or a combination of. Vestel Mobility your EMS partner, thinks along with Design for Manufacturing expertise and can support product design and product validation with in-house capabilities.

Vestel Mobility as EMS provider distinguishes with manufacturing excellence and a reliable supply chain. Your partner on the road to a sustainable future.



ELECTRONIC CONTROL UNITS



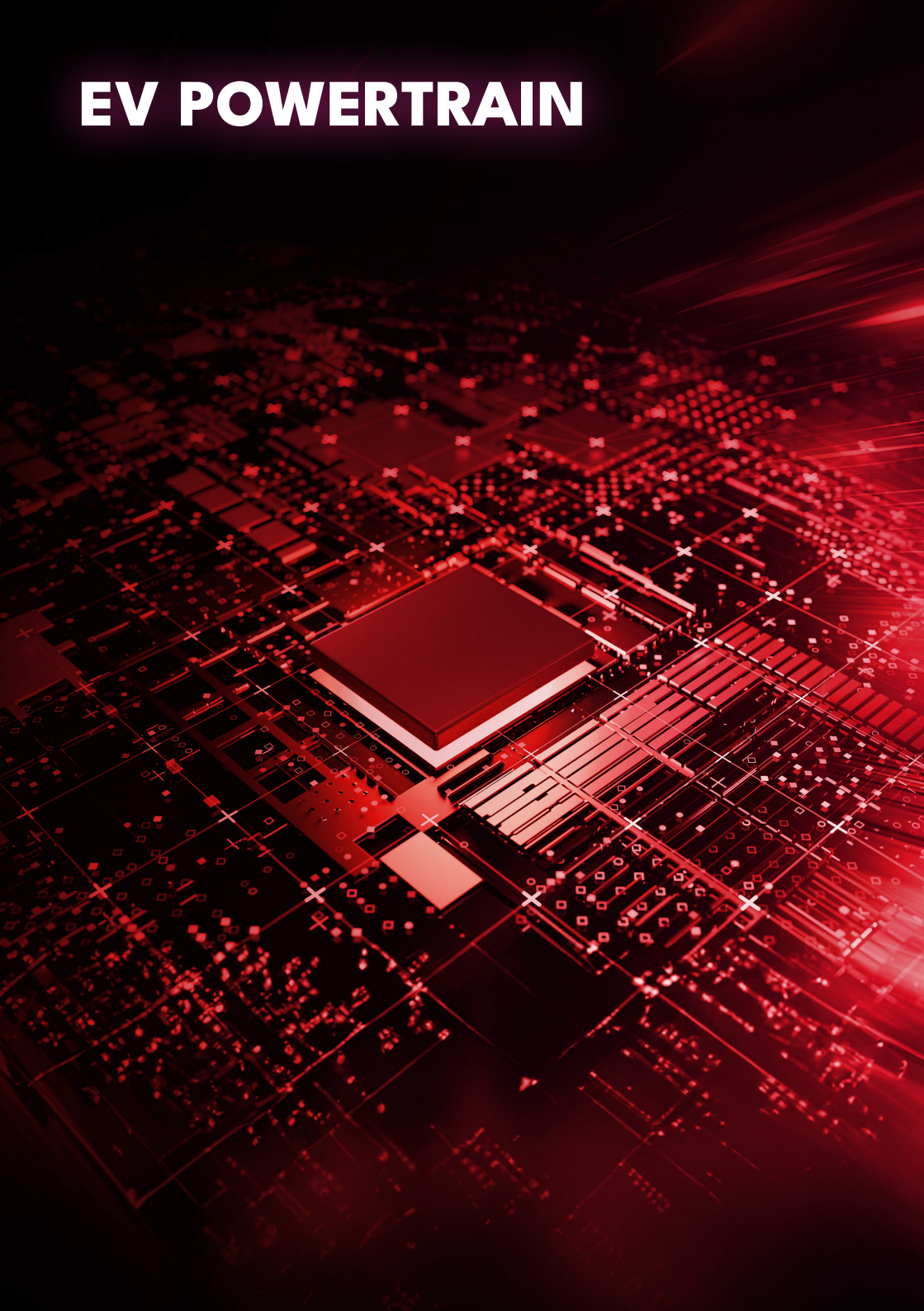
The background of the entire page is a dark red color. It is overlaid with numerous thin, bright red lines that radiate from the left side towards the right, creating a sense of motion and energy. These lines vary in length and thickness, some appearing as sharp streaks and others as softer, more diffuse bands of light.

Vestel Mobility is your EMS partner for Electronic Control Units (ECU). An example is our Telematics Control Unit (TCU).

Telematics Control Unit (TCU) is the embedded onboard system that controls wireless tracking, diagnostics and communication to/from the vehicle; these systems can be used in eCall crash notification, electronic tolling and vehicle tracking, among many others. A solution for in vehicle Sales.

Vestel Mobility adjusts its ECU business model to your need. Teaming with a partner on product design and validation or only providing our strong supply chain support. All on top of our manufacturing excellence. We meet your need.

EV POWERTRAIN



Vestel Mobility's manufacturing competence really shows on any Power Electronics. Complex and multiple pcba's brought together in components like Inverters, On Board Chargers, DC/DC Converters or a combination there of in a X in one solution. Vestel Mobility has the capability to manufacture the electronics in house as well as any type of casing to build it to full component. Most production processes for the right type of casing are available in house our Vestel City manufacturing village.

Vestel Mobility also supports pcba manufacturing to allow it to imbed it in your assembly, for example a Battery Management System ECU for your Battery Pack.

Vestel Mobility is your partner for your Power Electronic manufacturing.

MANUFACTURING EXCELLENCE



6m
Pcs/Monthly
Capacity



56
Production Lines



1.025
Robots



1.353
Equipments



40.000m²
Closed Area



IPC A610 (CIS) Acceptability of Electronic Assemblies



IPC A600 (CIS) Acceptability of Printed Boards



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

NOTES

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