



# zetronic group

WE DRIVE YOUR EXPECTATIONS

# zetronic group

- Italian supply chain, since 1921
- Over 400 employees
- Over €75M in revenue
- 5 plants covering over 51,000 sq m

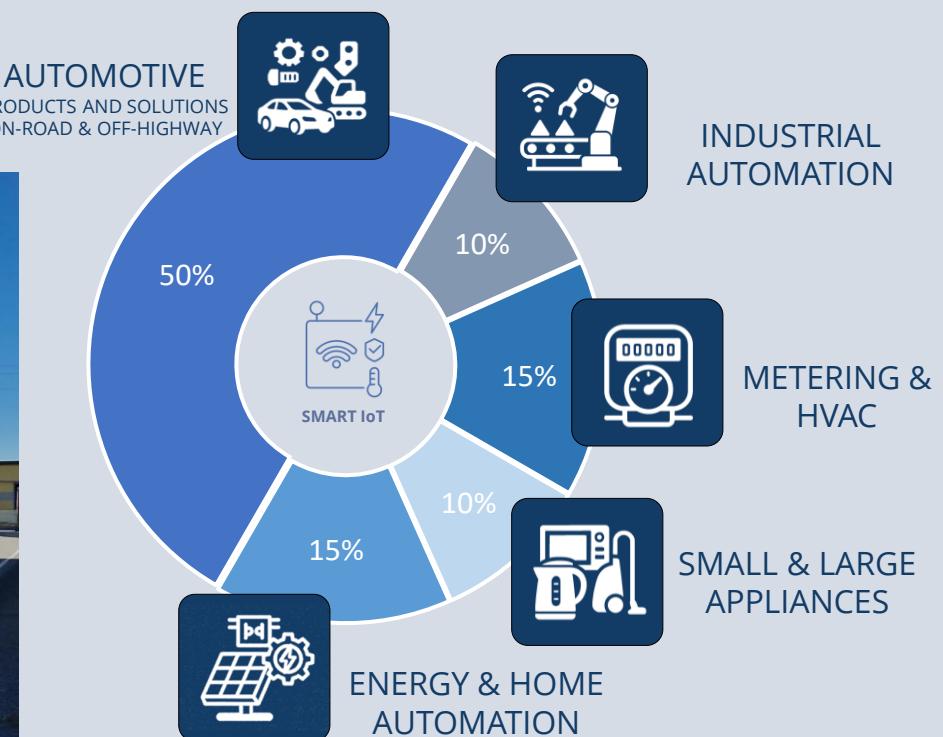
Keyword: **QUALITY**  
 Goal: **ZERO DEFECTS**  
 Approach: **GREEN-ORIENTED**



**Zetronic Group** is an Italian industrial company operating in the **MECHATRONICS** sector that develops, designs, and manufactures **SMART IOT** components and products, integrating multidisciplinary expertise in the mechanical, plastics, electronics, and software fields.

*We operate globally as a **TIER1** and **TIER2** supplier in the Automotive sector – **HISTORICALLY** and as a supplier of products and complete solutions across various industries:*

## SECTORS



**molex**

# ABOUT US

## HISTORY

**1921:** Zedapa is founded in the footwear industry

**1950:** Entry into the Automotive sector (FIAT)

**1978:** Zedapa becomes Zetronic: lighting, home appliances, automotive

**1978:** Brieda is founded, Off-Highway cab market

**1982:** Valossa is founded

**1986:** Molex begins the acquisition of Zetronic

**1986:** DEC Elettronica is founded

**1990:** Zetronic covers 10% of the telecommunications connector market

**2007:** Zetronic specializes in mechatronics for automotive

**2008:** Estrima is founded and acquires Brieda

**2018:** Sharbie is founded

**2023:** Innovatek is founded

**Zetronic Group's** headquarters are in **Padua**; the group's companies are located within a **radius of about 100 km**, promoting sector **complementarity**, logistics **efficiency**, and an integrated, **fully Italian production supply chain**.



MECHATRONIC TECHNOLOGIES AND  
COMPONENTS FOR AUTOMOTIVE AND INDUSTRY

- Since 1921
- Over 120 operators



COMPLETE CABINS FOR OFF-HIGHWAY AND  
ELECTRIC VEHICLES

- Since 1978
- Over 100 operators

 BORSA ITALIANA  
proudly listed in the Euronext  
Growth Milan - Ticker: BIRO



ELECTRONIC DESIGN & MANUFACTURING  
SERVICES

- Since 1982
- Over 50 operators



ELECTRONIC DESIGN & MANUFACTURING  
SERVICES

- Since 1986
- Over 40 operators



ADVANCED MANUFACTURING  
AND LABOR-INTENSIVE

- Since 2023
- Over 100 operators

## KEY FACTS

**Zetronic Group** invests in continuous upgrading and ongoing training to enhance employees' skills, as well as in the evolution and strengthening of its production lines.

### SPACES AND SUSTAINABILITY

 Over **51,000** square meters of facilities

 Strategic location of the group's companies: within a maximum distance of **100 km**

 **700 kWp**  
PHOTOVOLTAIC SYSTEM  
(self-consumption)

 Over **180 tons/year** of scrap material sent for recovery and converted into secondary raw materials

### PEOPLE AND SKILLS

 Over **400** employees

 **20** mechanical and plastics designers

 **15** electronic designers

 **6** process engineers

### PRODUCTION LINES AND EQUIPMENT



**ELECTRONIC BOARD PRODUCTION**  
6 SMT lines, 2 automatic PTH assembly lines, automated vertical storage



**PLASTIC AND METAL MOLDING**  
28 plastic molding presses (50-350t)  
9 metal stamping presses (25-100t)



**ELECTROPLATING AND COATING**  
2 electroplating lines, reel-to-reel plating  
2 coating lines (blade coating)



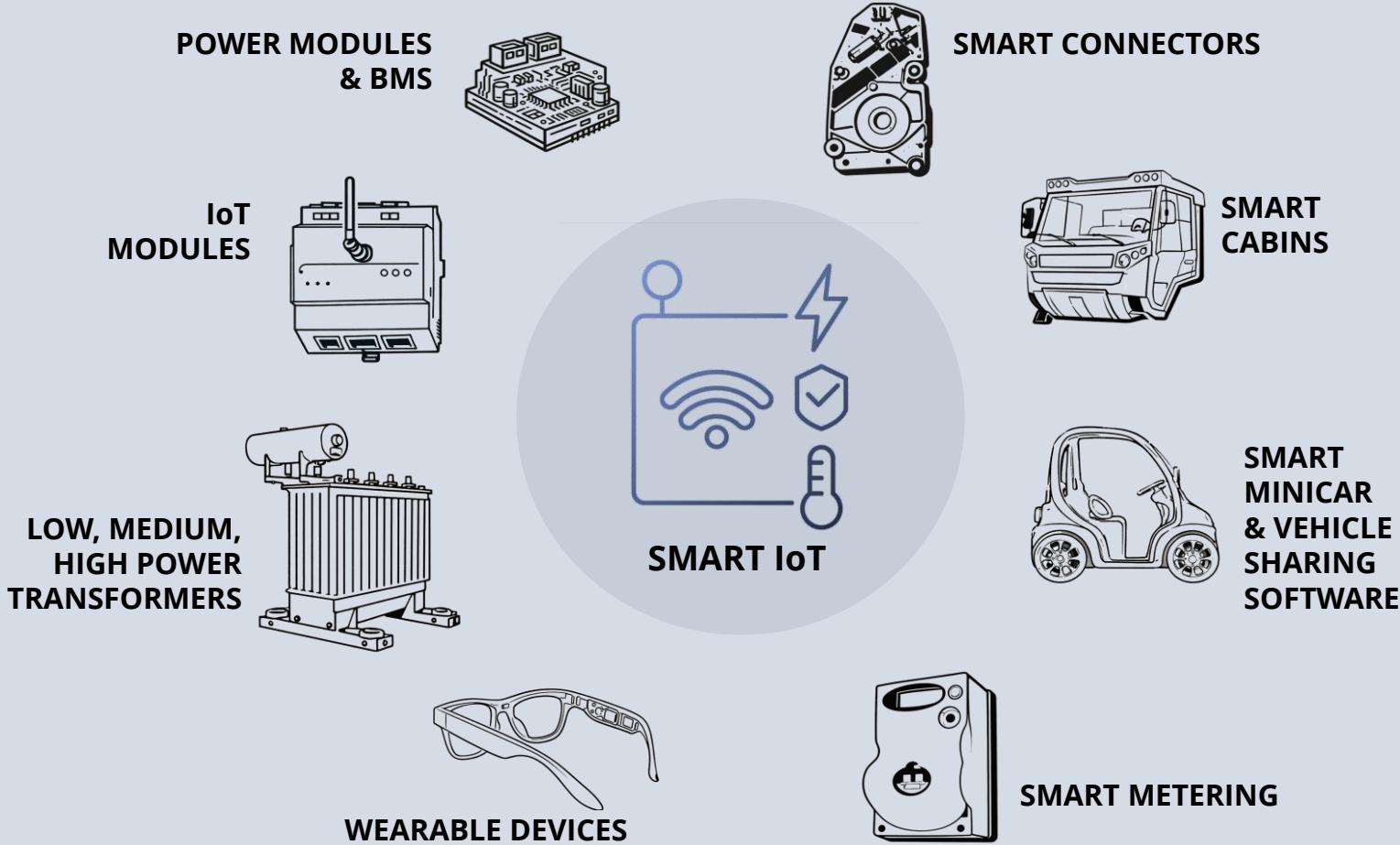
**PLASTIC METALLIZATION**  
2 polymer metallization lines for lighting and aesthetic applications



**AUTOMATED LINES**  
20 automatic and semi-automatic lines, with 100% automated inspection



Thanks to the synergies among the group's companies, **Zetronic Group** develops **SMART IoT** solutions and products that can communicate and adapt to the specific needs of **B2B, Tier 1, and Tier 2** customers.



## zetronic group

### OPERATIONAL APPROACH

- **OEM** (Original Equipment Manufacturer)
- **ODM** (Original Design Manufacturer)
- **CM** (Contract Manufacturer)

### SERVICES OFFERED

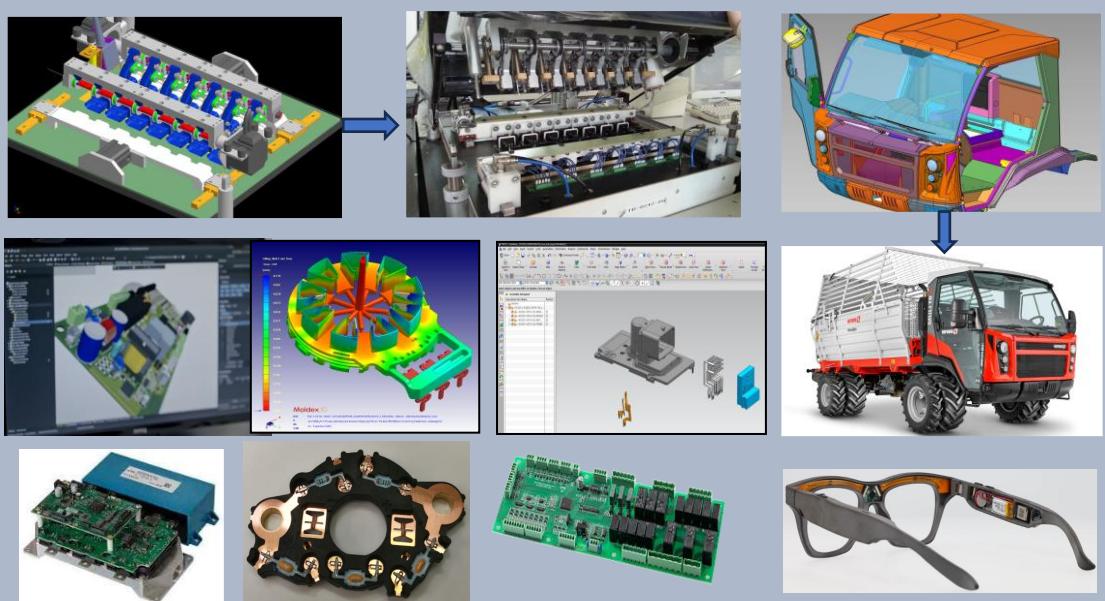
- Design
- Industrialization
- Production
- After-sales

*and much more...*

# FROM DESIGN TO FINISHED PRODUCT

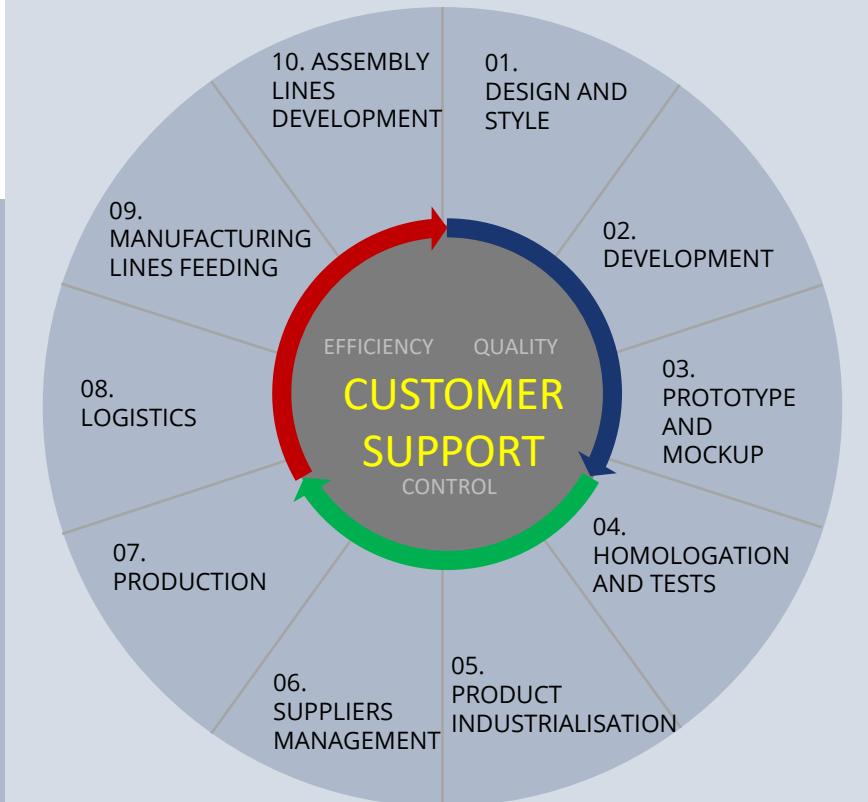
Our approach is **CUSTOMER-CENTRIC**, providing a complete service **from design to mass production**.

**We transform needs into concrete solutions:** Thanks to our multidisciplinary team, we combine **engineering creativity, advanced design expertise**, and a **strong focus on customization** to **create, develop, and produce** unique components, systems, and lines built around the customer and their specific requirements.



## R&D AND DESIGN TEAM

-  **20** mechanical and plastics designers
-  **15** electronic designers
-  **6** process engineers



We provide **total quality solutions**, managing every phase—from design to the finished product—with a constant commitment to excellence, compliance with **international standards**, and **adaptation to the specific needs of our customers**.

## CERTIFICATIONS



IATF 16949:2016



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



## WE ARE GREEN-ORIENTED

*Zetronic Group uses exclusively electricity from renewable sources.*



*The Padua plant is powered through a 700 kWp photovoltaic system and the purchase of green energy.*

## OUR QUALITY LABS & APPROACH

Our approach to quality combines technical expertise, certified processes, and dedicated testing. Our in-house laboratories perform electrical, environmental, and mechanical tests, including EMC pre-compliance and ICT testing, to ensure compliance with standards and consistency from component to finished product.



# APPLICATION SECTORS AND PRODUCT EXAMPLES



## AUTOMOTIVE



## AUTOMOTIVE



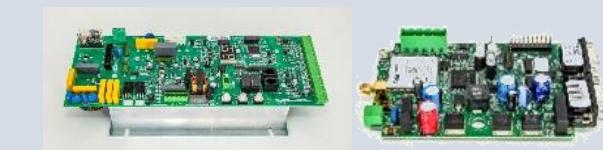
## HI-TECH WEARABLES



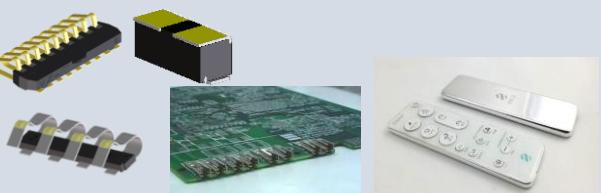
## HVAC/R & NAVAL



## WIRELESS COMMUNICATION & IoT



## INDUSTRIAL AUTOMATION



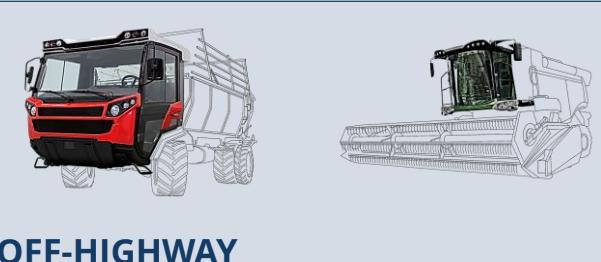
## CONSUMER & TELECOM



## HO.RE.CA., FOOD & MEDICAL



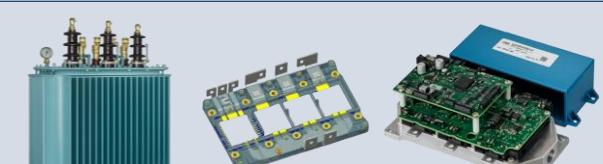
## METERING



## OFF-HIGHWAY



## MOBILITY & VEHICLE SHARING MGMT



## ENERGY MANAGEMENT



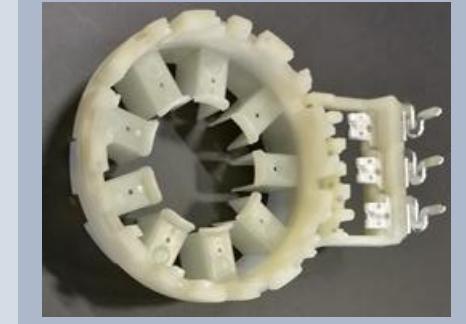
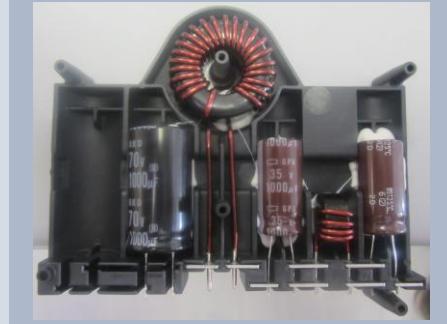
PRETENSIONER (AUTOMOTIVE)



COMBUSTION CHAMBER  
TEMPERATURE SENSING  
CONNECTOR



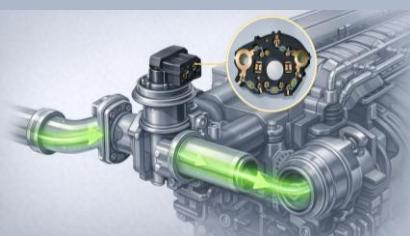
CONNECTORS AND POWER WINDOW MODULES (AUTOMOTIVE)



ENGINE AND EXHAUST GAS  
FILTER CONNECTOR  
(AUTOMOTIVE)

HYBRID CAR CLUTCH  
MODULE CONNECTOR  
(AUTOMOTIVE)

POWER STEERING  
CONNECTOR  
(AUTOMOTIVE)



CONNECTOR FOR EGR  
(EXHAUST GAS  
RECIRCULATION) VALVE  
ACTUATOR



CONNECTOR  
FOR  
ALTERNATOR



POWER MODULE  
(AUTOMOTIVE)



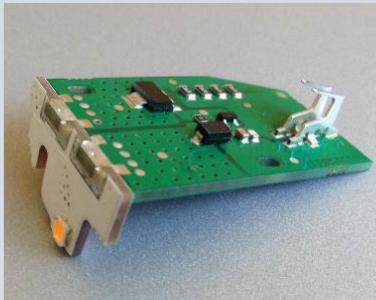
RING TERMINALS  
(AUTOMOTIVE)



LIGHTING PANEL  
CONNECTORS  
(AUTOMOTIVE)



DESIGN AND  
MANUFACTURE OF  
COMPONENTS WITH A  
QUALITY FIRST APPROACH,  
BASED ON CUSTOMER  
REQUIREMENTS



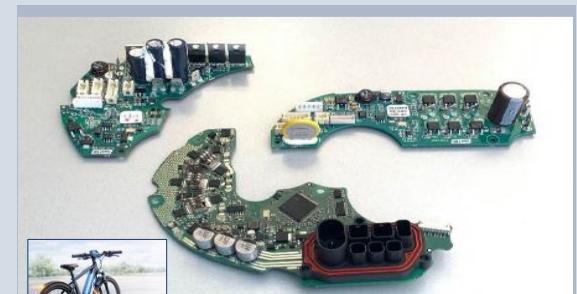
**ELECTRONICS FOR SMALL LIGHTING DEVICES: TURN SIGNALS, SIDE MARKER WARNING LIGHTS, COURTESY LIGHTS, REFLECTORS (AUTOMOTIVE)**



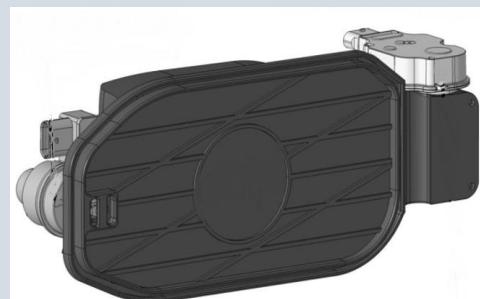
**ELECTRONIC CONTROL UNITS FOR DOOR LOCKS (AUTOMOTIVE)**



**HOT BAR SOLDERING TECHNOLOGY FOR FPCB-PCBA CONNECTION IN LIGHTING MODULES (AUTOMOTIVE)**



**CONTROL UNITS FOR BLDC MOTOR CONTROL, WITH CUSTOM CONNECTORS FOR EASY PLUG-IN ASSEMBLY (EBIKE)**



**ECUs AND ACTUATORS FOR MOTORIZED CHARGING MODULES AND SOFT-CLOSING / ANTI-PINCH DOOR AND TAILGATE CLOSURE SYSTEMS, WITH CYBERSECURITY**

## REFERENCES



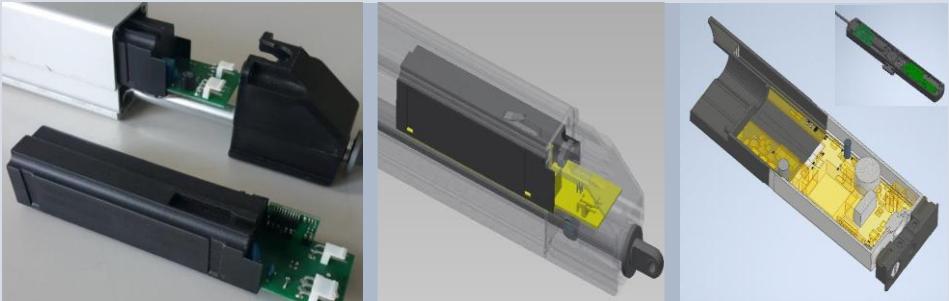
# BACKLIT BUTTON FOR BATTERY CHARGING START (AUTOMOTIVE)



## RECHARGEABLE RF REMOTE CONTROLS (HOME APPLIANCES)



# CONTROL UNIT FOR HIU, WITH EUROPEAN BENCHMARK PERFORMANCE – BESA (THERMOREGULATION)



## **MOTOR CONTROL FOR ACTUATORS; FULL PRODUCT RANGE – LOW VOLTAGE / MAINS POWERED – WITH SWITCHING POWER SUPPLIES (HOME AUTOMATION)**



## ECU CONTROL UNIT FOR BRUSHLESS MOTOR CONTROL IN CONDENSING BOILERS (HOME APPLIANCES)



## WATER, GAS, AND ENERGY METERS (METERING)



REFRIGERATORS AND FREEZERS FOR SAFE VACCINE STORAGE,  
POWERED DIRECTLY BY SOLAR PANELS (MEDICAL)



LOW, MEDIUM AND HIGH  
VOLTAGE TRANSFORMERS



UI CONTROL UNITS  
FOR PROFESSIONAL OVENS



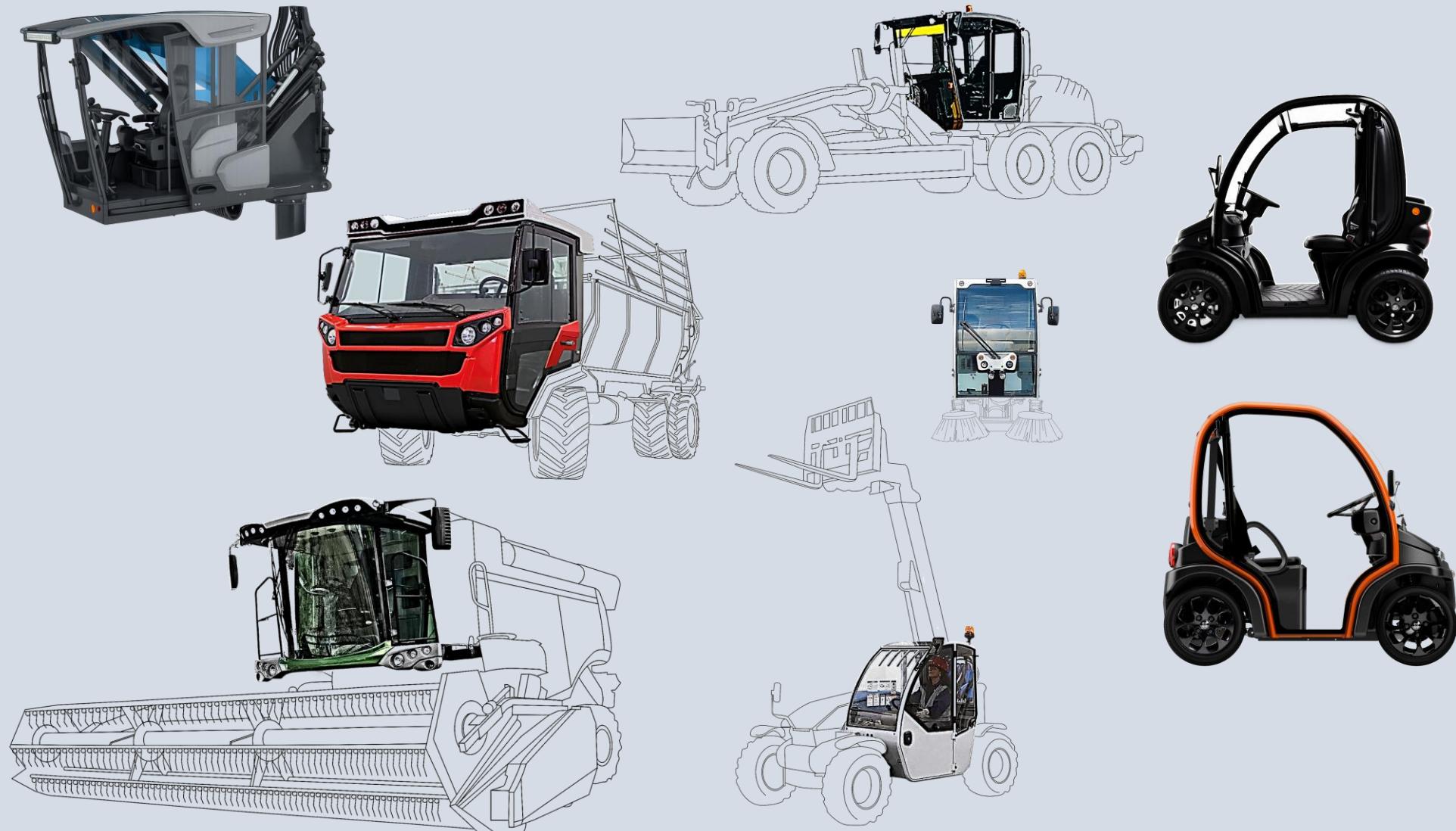
KEYPADS FOR PROFESSIONAL COFFEE  
MACHINES AND OTHER H.O.R.E.C.A.  
APPLICATIONS



HVAC/R  
PRODUCTS



WIRELESS MODULES  
AND IoT MODULES (NAVAL/SHIPPING)



**CABINS FOR OFF-HIGHWAY VEHICLES; SMART ELECTRIC VEHICLES**

# **zetronic group**

## **zetronic group**

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