



# APEM

[www.apem.com](http://www.apem.com)

**e-TRANSPORTATION IS TRANSFORMING THE WAY PEOPLE MOVE. E-TRANSPORTATION EMBRACES A WORLD OF CONNECTED, SHARED, ELECTRIC, AND AUTONOMOUS TRANSPORTATION, ALL POWERED BY REAL-TIME DATA AND DIGITAL TECHNOLOGY, SUCH AS ELECTRIC VEHICLES, BICYCLES, SCOOTERS, AND MORE. ALL DESIGNED FOR SHARED, EFFICIENT, AND ACCESSIBLE USE.**

## e-TRANSPORTATION

The HMI Challenge: in the world of e-Transportation, effective Human-Machine Interface (HMI) solutions are vital. HMI systems must overcome external wear and tear, weatherproofing, tailored ergonomics for specific vehicles, and the rigorous use typically seen in public transportation. These are just some of the critical factors to consider.



## Driving Progress in Transportation: our solutions

### SAFETY AND SECURITY

Whether autonomous or not, the vehicles of e-transportation must meet high safety standards and guarantee the integrity of users. Among the most obvious solutions, Emergency-stops enable a machine to be stopped with immediate effect. APEM and IDEC offer complementary ranges of E-stops to equip your vehicles.

### ANTIVANDAL PROTECTION

As a general rule, anything public is subject to the assaults of a few malicious individuals. To guarantee the longevity of an application, it is essential to equip it with robust HMIs capable of withstanding vandalism.

APEM has developed particularly tenacious solutions, whose internal and external construction promises durability.

[▶ Watch our video](#)

### USER CENTRIC DESIGN

When you bring a vehicle to market that's meant to be used by anyone, it's vital that the controls can be understood intuitively by everyone. On/off, headlights, horn, battery status... There's no need for an instruction manual: all vehicle controls are designed with the user in mind, offering peace of mind and ease of use.

The design of our HMI solutions, coupled with infinite possibilities for customization, allows you to obtain a user-friendly control unit, at once aesthetic, intuitive and ergonomic.

[▶ Read more](#)

### CUSTOMIZATION

Are you looking for the ideal control setup? Our teams guide you in designing customized solutions to enhance safety, simplify controls, or integrate advanced functions. Colors, markings, finishes, shapes and dimensions... can be customized for an unlimited combination of possibilities.

[▶ Read more](#)

### ERGONOMICS

Even though new forms of mobility are dominated by digital technology and data, users still want to retain a touch of the mechanical. Reassuring with its immediate haptic feedback, the «manual» human-machine interface nevertheless knows how to enhance itself with innovations. APEM solutions emphasize compactness and ergonomics, ensuring both simple vehicle integration and maximum user comfort.

[▶ Read more](#)

### DURABILITY

Harsh weather conditions and intensive public use call for durable solutions. Outdoor use can degrade products, impacting their color, waterproofing, functionality, and shape due to exposure to various external aggressions.

APEM HMI products are engineered for resilience, sealing, high contrast, and long-lasting performance.

[▶ Read more](#)

## YOU SHOULD HAVE A LOOK AT



EC series



KR series



HR series



Multimec 5G series



FD series



Q series



AV series



Custom keyboard



XP series

### IDEC PRODUCTS



KW2D series



CW series



XA series

We stand by your side in facing the challenges of e-Transportation. Let's work together to create safer, more efficient, and user-friendly transportation HMI systems.

[▶ See our webpage dedicated to e-transportation](#)