

# EAO Group

## HMI Fascination

### Experience EAO's World of HMI Solutions at InnoTrans 2024

During this year's InnoTrans Exhibition, EAO will focus on the latest HMI developments and solutions that go beyond mere HMI components.

As an expert partner for human-machine interfaces, we can offer specialised HMI solutions for a variety of different railway applications. In addition to our well-known high-quality products such as the Series 57 door opening pushbutton or the Series 04 products for driver's cab, we can also develop your individual pre-wired HMI panel, integrating specific HMI functions you require. We take into account all functional and ergonomic requirements, including market- and country-specific standards. Thanks to our effective planning and customer-centric design, you benefit from precise implementation from concept to prototype production, to pilot series and series production. EAO can provide you a custom-tailored HMI solution that brings you optimum benefit for your application and

can easily be integrated into your existing systems and designs. Everything for the best interaction. And along the way, we support your project from initiation to implementation with comprehensive advice and technical expertise.

During InnoTrans we will showcase numerous examples of such HMI solutions and panels for driver's cabs, passenger access systems, toilet applications and passenger convenience.

### Our Exhibition Highlights

#### Seat Reservation System – For an Optimised Passenger Flow

This new HMI Solution is based on a standardised platform, that offers maximum flexibility in terms of customer-specific design and system adaptations. Not only can it be easily and seamlessly integrated into the passenger information system but thanks to the



innovative display technology and bright, clear, seat status indicators, passengers can easily locate a free seat, or find their reserved seat.

### Advantages

- Early recognition of seat reservations thanks to bright LED indicators
- Increased passenger flow efficiency
- Energy-efficient, cost-effective and high-contrast display technology
- One display solution for flexible installation situations
- Seamless integration thanks to versatile customisation options

Our energy-efficient display ensures high contrast for maximum readability and minimum power consumption. Text can be displayed in white on a black background or in black on a white background. If required, the backlighting can be activated depending on the lighting conditions, to ensure best readability. The number of seats to be displayed as well as general display content are shown on the full graphic display using customised software, which enables maximum flexibility. Thanks to the modern display technology, the display only requires energy when the display content is changed – a highlight in terms of cost and energy efficiency.

The housing of the display can be customised according to individual application requirements. This guarantees a seamless integration into any train design. The software specifications can also be tailored to individual requirements during the course of the project. Depending on the installation requirements, the display can be rotated by 180 degrees so that the cable can exit to the left or right and be individualised with specific insert strips which can be supplemented with various symbols – so not only can aisle or window seats be clearly identified, but so too can special areas, for example those for bicycles.

Overall, the EAO seat reservation system represents a comprehensive solution for the requirements of rail transport. From straightforward installation to flexible adaptation to different seating arrangements and design requirements and with a focus on efficiency, we are setting new standards for the future railway travel experience.



### Charging Solutions – For an Enhanced Passenger Experience

The range includes both wireless chargers and standard USB-A or USB-C sockets and can be installed in different areas across the train to avoid ‘low battery anxiety’ among the passengers. EAO chargers can be fitted to tables, seatbacks, walls and even grab poles to provide a phone charging service to nearly every passenger. With the new multi-voltage Power Delivery / PPS USB-C sockets, EAO can also provide laptop and fast charging for phones through one connection.

### Advantages

- Clear enhancement to the passenger experience and the operator’s image
- Can be retrofitted during refurbishment or as a separate upgrade
- Unique seatback mounted USB-C Power Delivery socket for phones and laptops
- Generate revenue from sponsorship with physical branding of logos or URLs on chargers
- Charge phone without the inconvenience of carrying plugs and cables

We invite all visitors to experience the great HMI products and immerse themselves in the fascinating mountain world of Switzerland – which is characterised above all by its accessibility by train. But we don't want to give too much away just yet – let us surprise you!

Visit us at our **Booth 760 in Hall 27** during this year’s InnoTrans in Berlin.

Find out more or contact us now at [www.eao.com/s/innotrans-2024](http://www.eao.com/s/innotrans-2024)



Your Expert Partner for Human Machine Interfaces



## EAO Railway. Moments of Happiness. *With intuitive HMI Products and Solutions.*

EAO develops and produces high-quality HMI Components and Systems for the public and private transport sectors. Whether it's a driver's cab, passenger access system, passenger convenience or any other application, we provide a solution tailored to your individual needs.

### Our latest developments for railway applications

- New seat reservation system for an optimised passenger flow
- Charging solutions for integration in your train
- HMI Systems for all railway applications

Read more or contact us  
[www.eao.com/s/innotrans-2024](http://www.eao.com/s/innotrans-2024)

