



Case Study

Innovative design for night-time operation.
Stadler counts for Metro Berlin on EAO Systems.

The halo illumination and the fantastic tactile feedback are impressive: Stadler Deutschland relies on Series 84 and 04 pushbuttons and the engineering performance of EAO Systems in the cockpit on the Berlin Metro.

A metro cockpit in a night design, focused on good illumination, is particularly useful for applications in the dark.

Company Profile

Customer
Stadler

Market
Railway

Application
Driver's cab

EAO Series
HMI System with S84 and S04

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Further information about our HMI systems in the transport sector is available at www.eao.com/produkte-loesungen/hmi-systeme



Customer-specific control panel – ideally for Stadler's design for night-time operation.

Stadler, which has its head office in Bussnang, eastern Switzerland, has been building rolling stock for over 80 years. With several production and engineering sites as well as over 60 service locations, Stadler enables passengers worldwide to travel in maximum comfort. Rail vehicles from Stadler combine performance with reliability and safety.

In addition to shunting and railway locomotives, its product range includes high-speed, intercity, regional and overground trains, as well as underground trains and trams.

Stadler Deutschland is the German subsidiary of Stadler Rail Group and, as a centre of expertise, it develops, builds and maintains overground and city trains in particular, as well as metro vehicles for the German and European market.

HMI power for an innovative cockpit

For the cockpit redesign project for the Berlin Metro, Stadler wanted to offer the customer something new: a metro cockpit in an innovative night design. A design focused on good illumination is particularly useful for applications in the dark – such as, in this case, the metro's tunnels.

As an expert partner for HMI in cockpit applications, EAO met these precise requirements for Stadler. The final design was completed thanks to Series 84 pushbuttons with halo illumination, Series 04 and 14 components, and the EAO Systems engineering service.

For the Berlin Metro project, EAO Systems processed a total of four front plates. These meet all functionalities and needs within night-design cockpits.

Advantages in use

- Easily visible pushbuttons with halo illumination and fantastic tactile feedback on the HMIs
- Simple wiring of the components using printed circuit boards
- Simple housing of the printed circuit board, lamp check and wire break monitoring

We are delighted to have contributed to Stadler's innovative night design – for intuitive and safe use with easily visible HMIs, even in dark tunnels.