

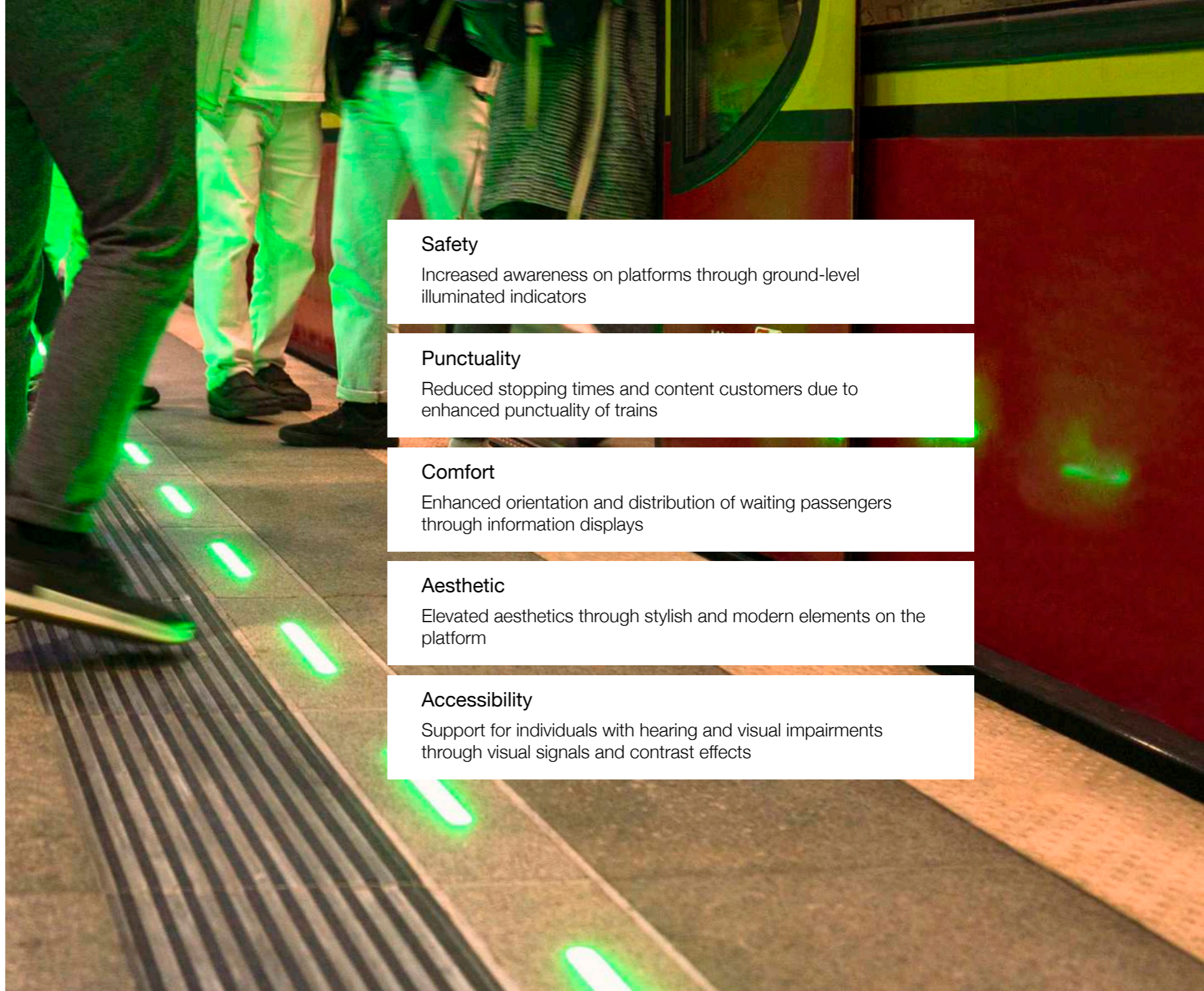
SIUT



Illuminated Platform Edge

The Illuminated Platform Edge is a passenger guidance system designed to convey current information in an intuitive and aesthetically pleasing manner. This system provides waiting passengers with advanced information about approaching trains, including details such as the stopping position and the occupancy status of individual carriages, through various patterns of lighting.

As rail networks expand and passenger numbers increase, railway operators require innovative solutions to enhance platform capacity at heavily frequented stations while simultaneously improving passenger safety. An optimized information system enhances the early orientation of waiting passengers, enabling them to position themselves strategically on the platform. Additionally, the use of colored light signals supports barrier-free travel by increasing contrasts in hazardous areas and visually warning of approaching trains.



#### **Safety**

Increased awareness on platforms through ground-level illuminated indicators

#### **Punctuality**

Reduced stopping times and content customers due to enhanced punctuality of trains

#### **Comfort**

Enhanced orientation and distribution of waiting passengers through information displays

#### **Aesthetic**

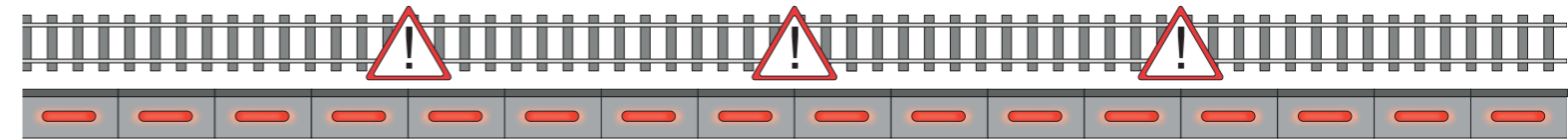
Elevated aesthetics through stylish and modern elements on the platform

#### **Accessibility**

Support for individuals with hearing and visual impairments through visual signals and contrast effects

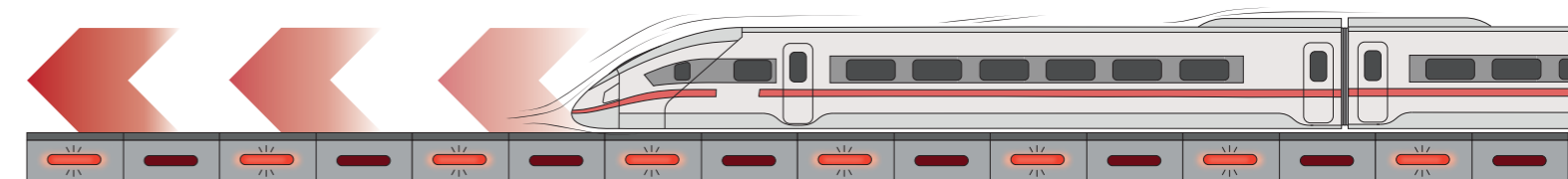
## Increasing safety on the platform

Illuminating the system in red increases passenger perception of safety, reducing the number of times they enter the danger zone. Additionally, organizing passenger distribution further reduces the number of dangerous situations.



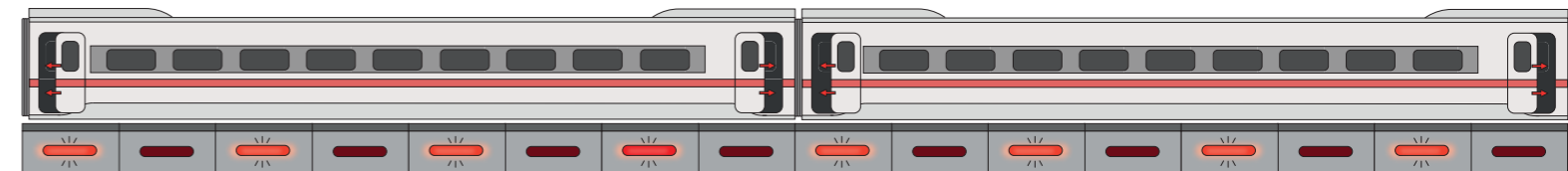
### Danger Area

A red luminous line along the entire platform edge indicates the danger area and advises passengers waiting not to enter.



### Train entry / Train passage

A flashing red light along the entire platform edge increases passenger attention, indicating the approaching train, and urges passengers to step back from the edge.

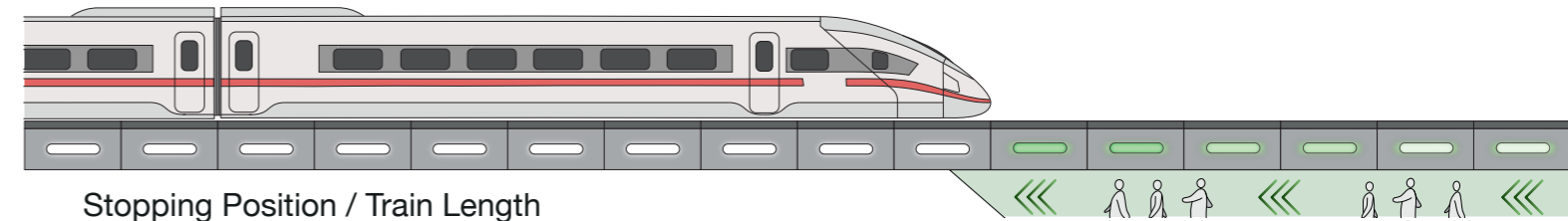


### Door Closing / Train Departure

A flashing red light while the train doors are closing increases attention and signals that the train can no longer be boarded, making the boarding process safer. It also reduces the number of times the door closing is interrupted, supporting a smooth train departure.

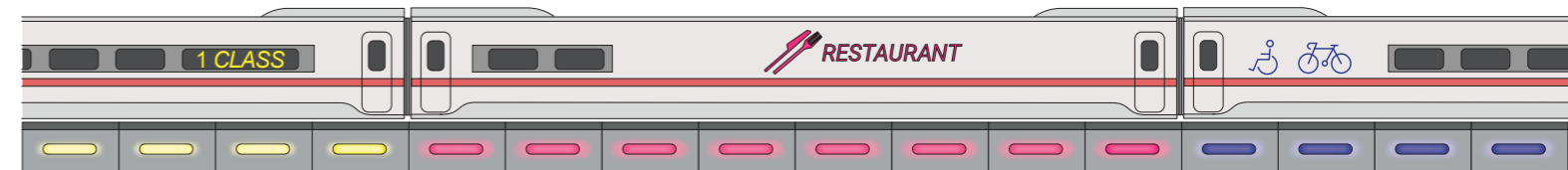
## Passenger Information on the Platform

Optimizing the distribution of passengers on the platform results in shorter boarding and alighting times, as well as reduced train stopping cycles. This improves passenger comfort and punctuality.



### Stopping Position / Train Length

A green running light indicates the stopping position of the next train before it arrives, encouraging waiting passengers to move to that position in time. The stopping position is visualized with a white static line, making it easy to identify.



### First Class / On-Board Restaurant / Multi Purpose Compartments

Assigning distinct colors to the different train compartments improves passenger orientation and enables them to position themselves on the platform in a timely manner.

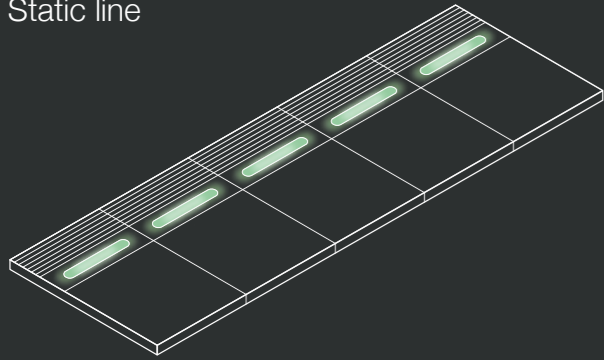


### Capacity

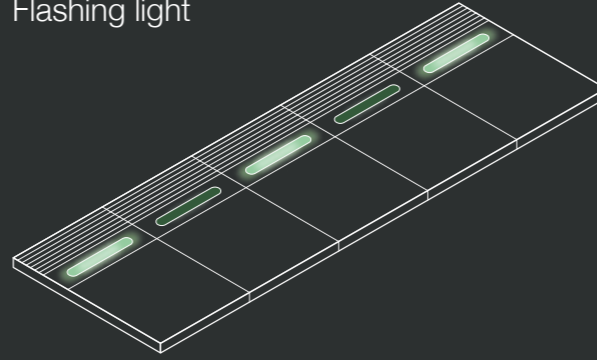
Using traffic light colors to visualize the capacity of the train informs waiting passengers about the availability of seats before the next train arrives, helping with an optimal and timely distribution on the platform.

## Light patterns

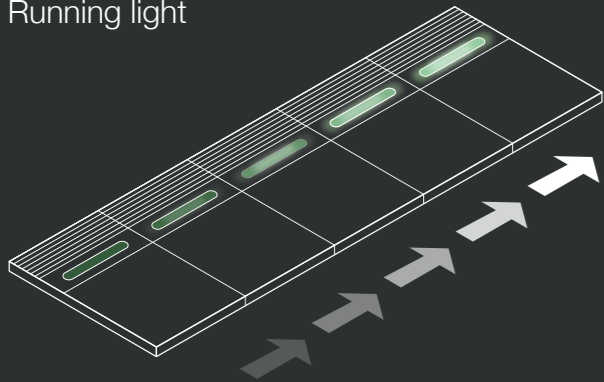
Static line



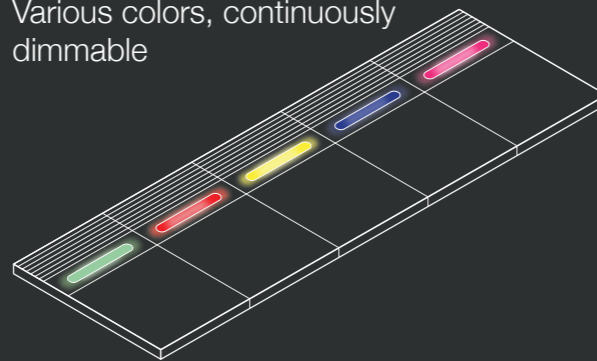
Flashing light



Running light



Various colors, continuously dimmable



## Technical Details

The Illuminated Platform Edge is composed of individual modules arranged in sequence, capable of interacting with one another and being autonomously controlled

Each module consists of a specialized concrete slab, an integrated light guide, and an intelligent electronic unit

The electronic unit receives and processes train-specific data, translating it into light signals

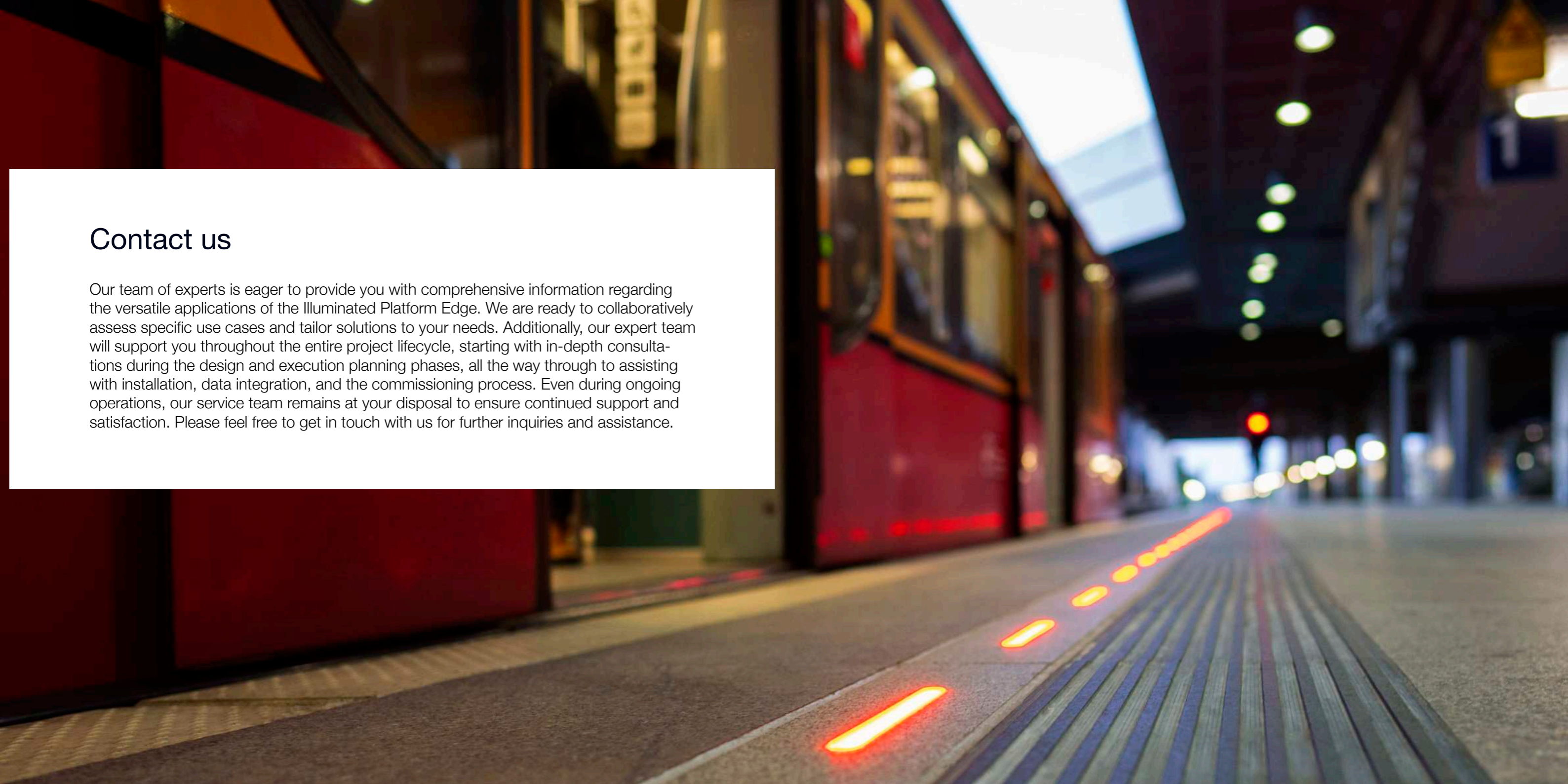
The system can be tailored to specific application needs by employing static or dynamic light scenes in the RGB spectrum, contingent upon data availability

Diverse visualization, data integration, and interconnection options provide versatile potential for enhancing safety, orientation, and information dissemination

Concrete slab size	595 x 150 x 40 mm (nominal size)
Installation height	45 mm
Concrete slab color	individual
Surface finish	factory coated
Lighting technology	High-Performance RGB-LED
Operation site	Indoor and Outdoor Use (IP 68)

## Contact us

Our team of experts is eager to provide you with comprehensive information regarding the versatile applications of the Illuminated Platform Edge. We are ready to collaboratively assess specific use cases and tailor solutions to your needs. Additionally, our expert team will support you throughout the entire project lifecycle, starting with in-depth consultations during the design and execution planning phases, all the way through to assisting with installation, data integration, and the commissioning process. Even during ongoing operations, our service team remains at your disposal to ensure continued support and satisfaction. Please feel free to get in touch with us for further inquiries and assistance.



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