

# Designing the Train Interiors for California High-Speed Rail

A new benchmark for passenger experience and sustainable mobility

In preparation for the procurement of the initial trainsets, California High-Speed Rail is developing concepts for the layout and interiors of the cars that will shape an iconic design and set new standards for rail travel on the first true American high-speed train service.

## CONNECTING CALIFORNIA

The California High-Speed Rail will transform travel in California and serve as a model for future high-speed rail initiatives across the United States. In Phase 1, the project will connect the state's megaregions along a 500 mile corridor between San Francisco and Los Angeles/Anaheim, contribute to economic development and a cleaner environment, create jobs, and preserve agricultural and protected lands.



## DESIGNING FOR THE FUTURE

The high-speed rail system is a crucial investment in the future of California's transportation infrastructure, offering faster travel times, reduced traffic congestion, and better connectivity for residents and visitors. *The interior design contributes to:*

**Sustainability** | Applying principles of green transportation to every detail through eco-friendly and recyclable materials and components, efficient use of resources, and energy-saving technologies.

**Equity** | Creating an enjoyable experience for all passengers through a variety of seating and functional zones and amenities, diverse audio and visual information systems, and intuitive, accessibility-first design.

**Mobility** | Providing the best transportation option for different trip lengths and travel purposes through flexible layouts to adapt to changes in demand, smart storage solutions, and customization of seating areas, food services, and travel information.

## ELEVATING RAIL DESIGN

California High-Speed Rail's trains will have a best-in-class interior:



### State-of-the-Art

Incorporating global best practices in transportation, technological developments, and innovations in materials and production processes into a next-level design.



### Resilient

Anticipating changes throughout equipment lifecycles and planning for longevity through modular concepts, flexible spaces, durable materials, and circular components.



### Customer Centric

Putting passengers first by addressing their wants and needs to feel comfortable, enjoy the ride, and create their own journey through elements of the design.

# 2020

### Initial design study

First conceptual renderings of the train interiors were created based on input from future riders on key design preferences.



# 2023

### Design project begins

A collaborative process engages communities and key stakeholders to create a unique interior designed for passengers of all ages, abilities, and demographics.



#### COMMUNITY OUTREACH

Interviews with representatives of California communities provide a holistic understanding of riders' expectations and serve as input for creating an **equitable and inclusive** design concept.

# 2024

### Design requirements defined

Final interior design guidelines and technical specifications for the train interior inform the procurement of the trainsets.



#### USER AND STAKEHOLDER FEEDBACK

Iterations are built into each phase of the development process to continuously improve on concepts and ensure that the designs **meet the needs of all passengers**.



#### TESTING AND PROTOTYPING

Low- and high-fidelity mockups allow users to **physically experience** the train layout, understand the look and feel of materials, and provide useful feedback on **accessibility and functionality**.

# 2025–29

### Procure initial trainsets

The initial trainsets will be procured, manufactured and delivered for testing in the Central Valley



#### VISUALIZATION

High-quality renderings and virtual reality tours bring the designs to life, providing a **preview of the passenger experience** and enabling viewers to **understand key facets** of the design.

# 2030–33

### Take a ride on a high-speed train

Operations begin on the Initial Operating Segment, connecting the Central Valley between Merced and Bakersfield

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