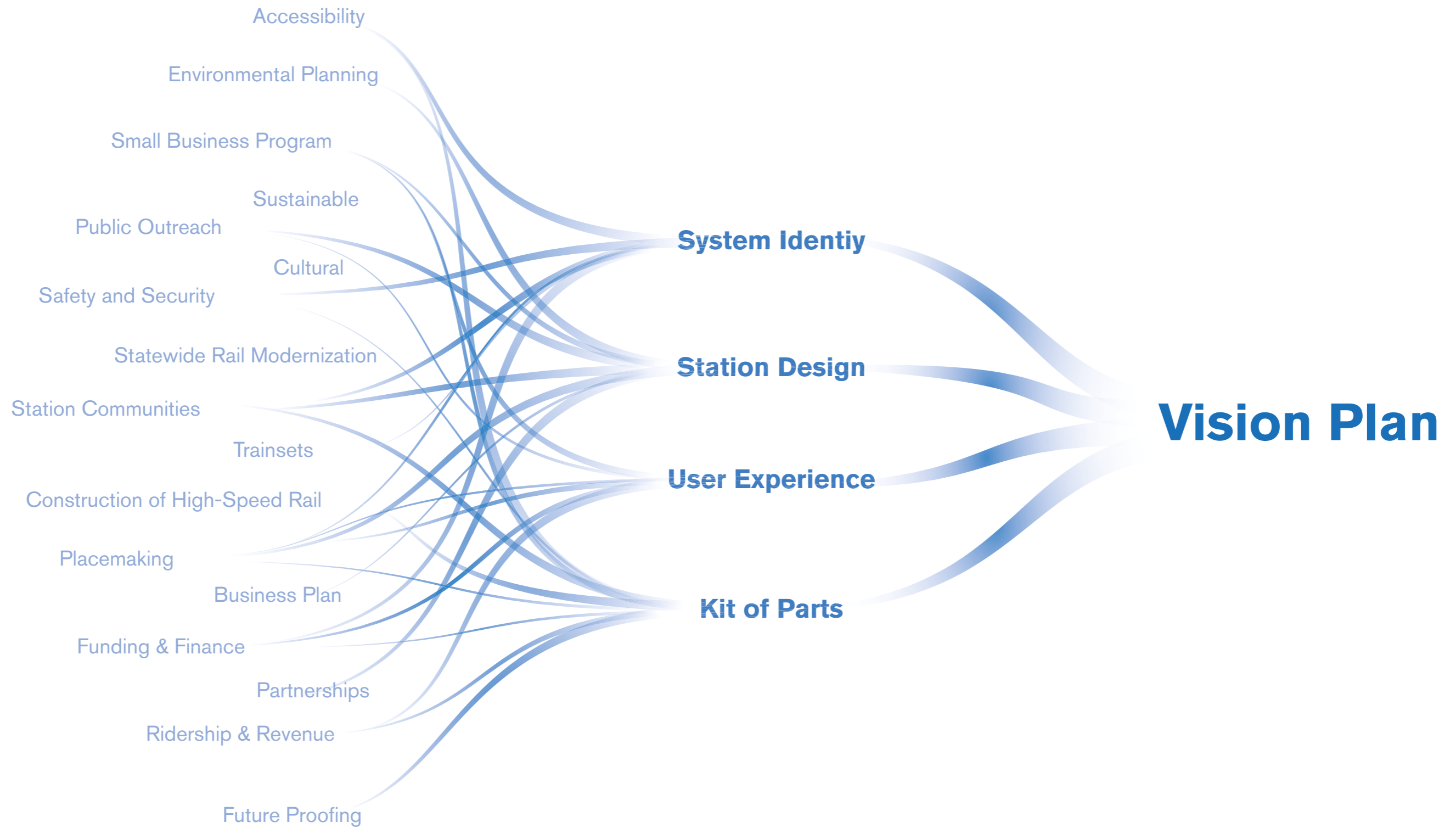


California High-Speed Rail

Vision Plan for Station: Initial Progress Update
TLU Committee Meeting 31 January 2017



Fresno River Viaduct in Construction





Sacramento

Stockton

Merced

Fresno

Kings/Tulare

Bakersfield

San Francisco

San Jose

Gilroy

Los Angeles

Anaheim

San Diego

Santa Fe Railroad (circa 1885)



Sacramento

Stockton

Merced

Fresno

Kings/Tulare

Bakersfield

San Francisco

San Jose

Gilroy



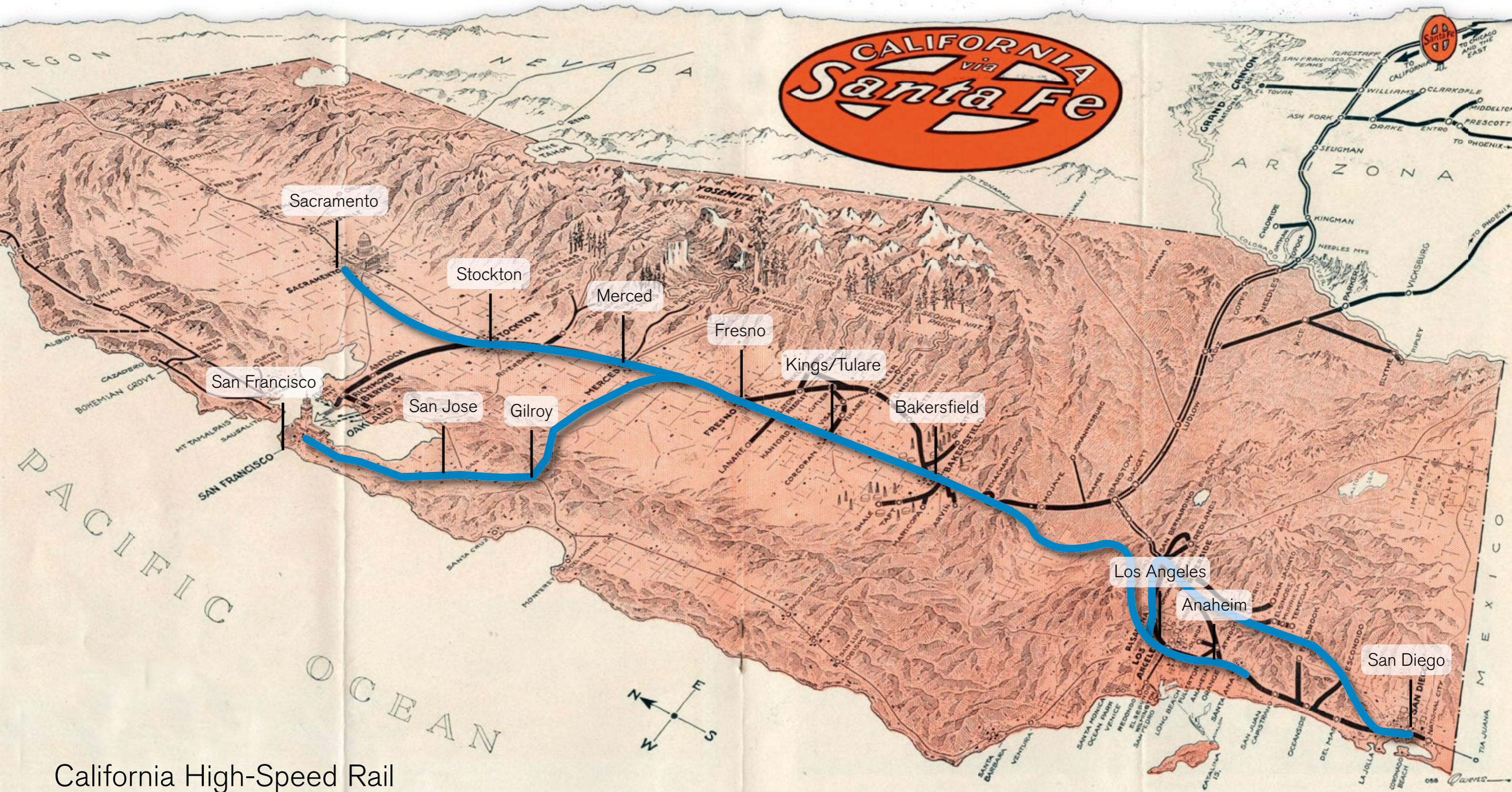
Los Angeles

Anaheim

San Diego

Interstate 5





CALIFORNIA
via
Santa Fe

Sacramento

Stockton

Merced

Fresno

Kings/Tulare

Bakersfield

San Francisco

San Jose

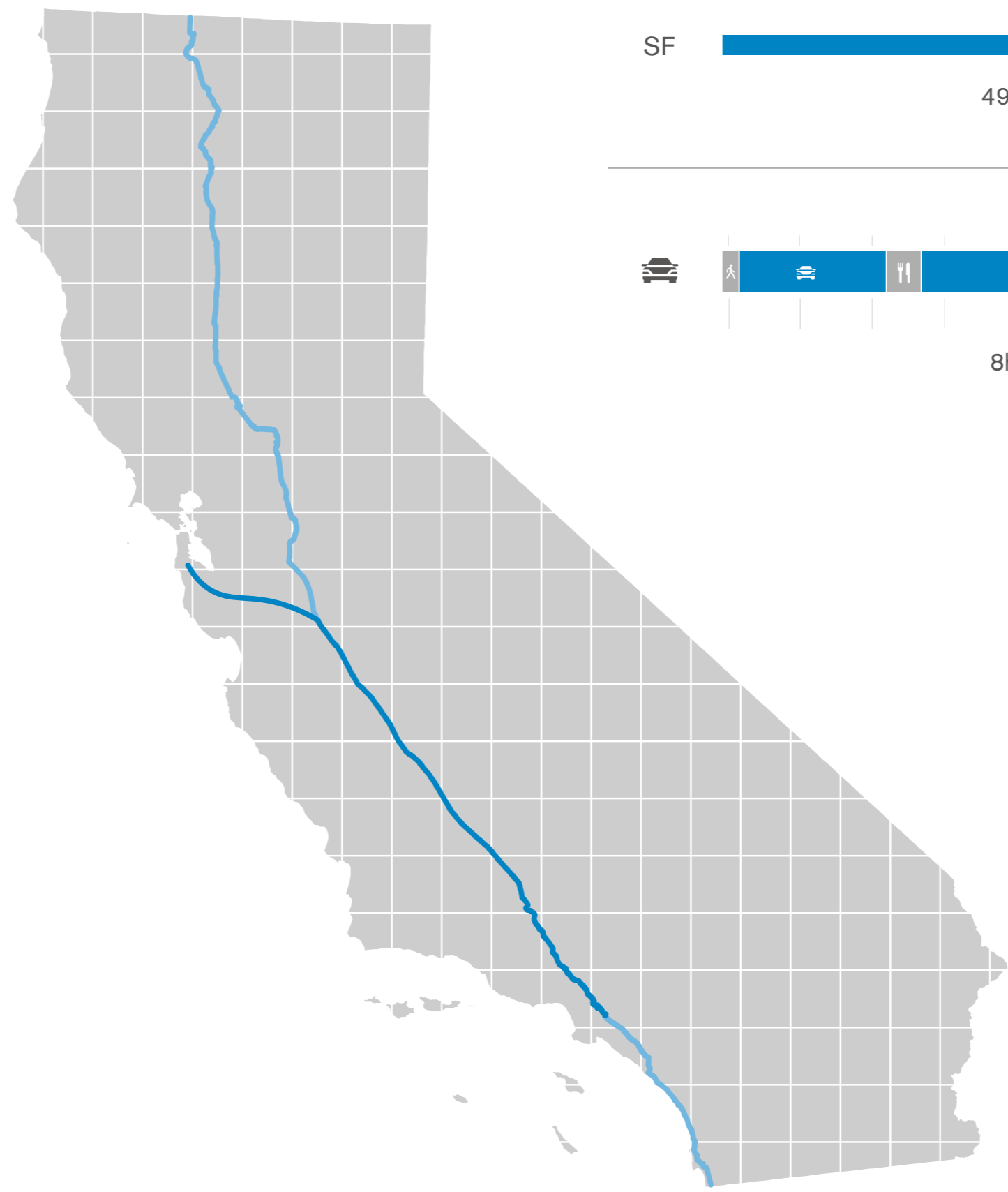
Gilroy

Los Angeles

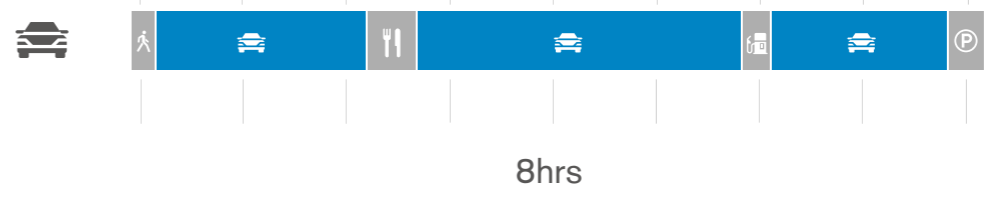
Anaheim

San Diego

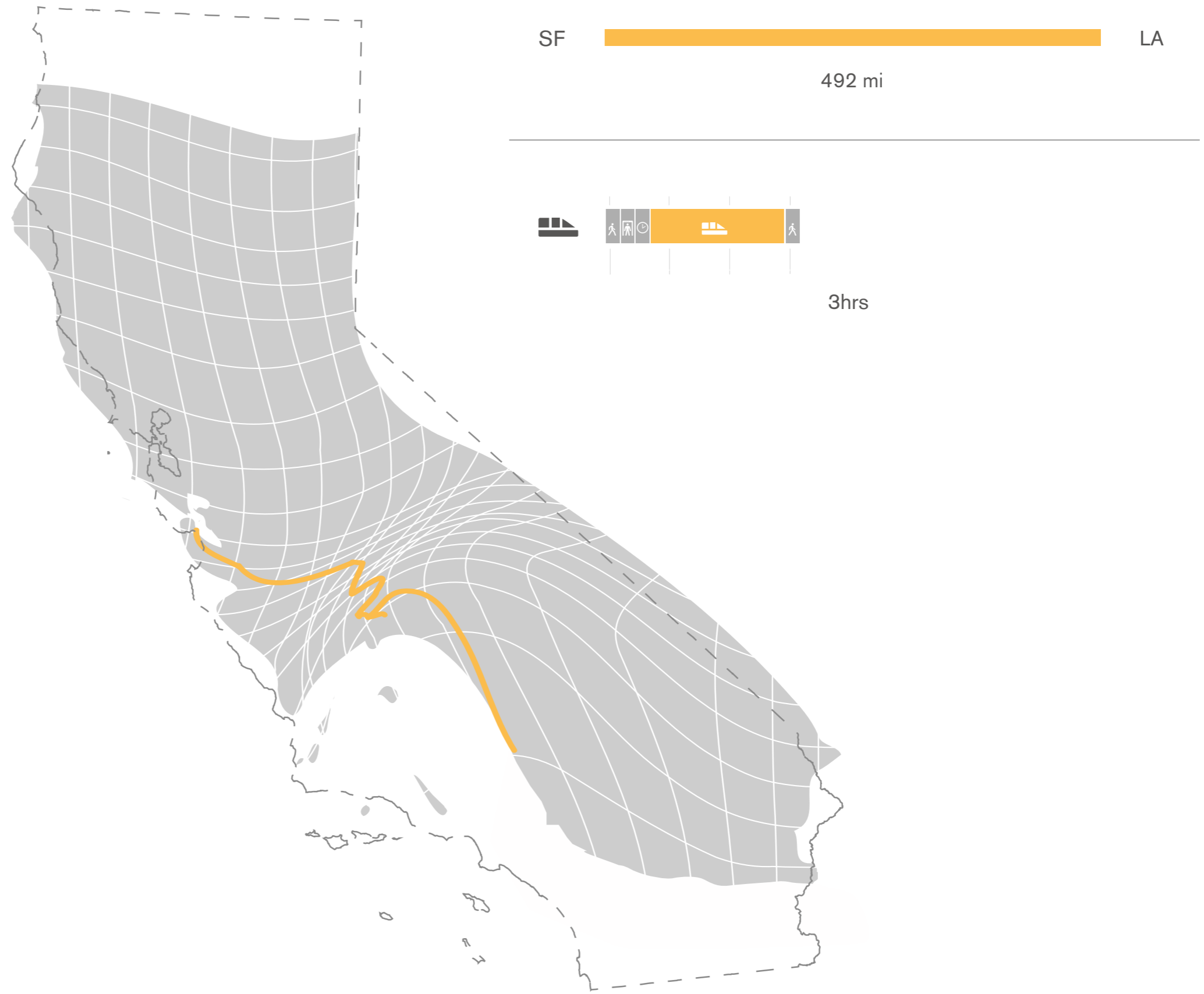
California High-Speed Rail



SF LA
492 mi



Today - 60 mph by car



Tomorrow - 220 mph by HSR



What makes California special?

Jedediah Smith Redwoods State Park



the landscape

Golden Gate Recreational Area

A wide-angle landscape photograph of the Mendocino Coast. In the foreground, several stalks of tall, golden-brown grasses with feathery heads are in focus, partially obscuring the view. Beyond them, a sandy beach curves along the base of a steep, eroded cliffside. The ocean is turbulent, with white-capped waves crashing against the shore and breaking into foam. The sky is a clear, pale blue. The overall scene is bright and captures the raw beauty of the coastline.

the coast

Mendocino Coast



Bixby Bridge, Big Sur



the agriculture

Onion Fields, Central Valley



Orchards, Tulare County



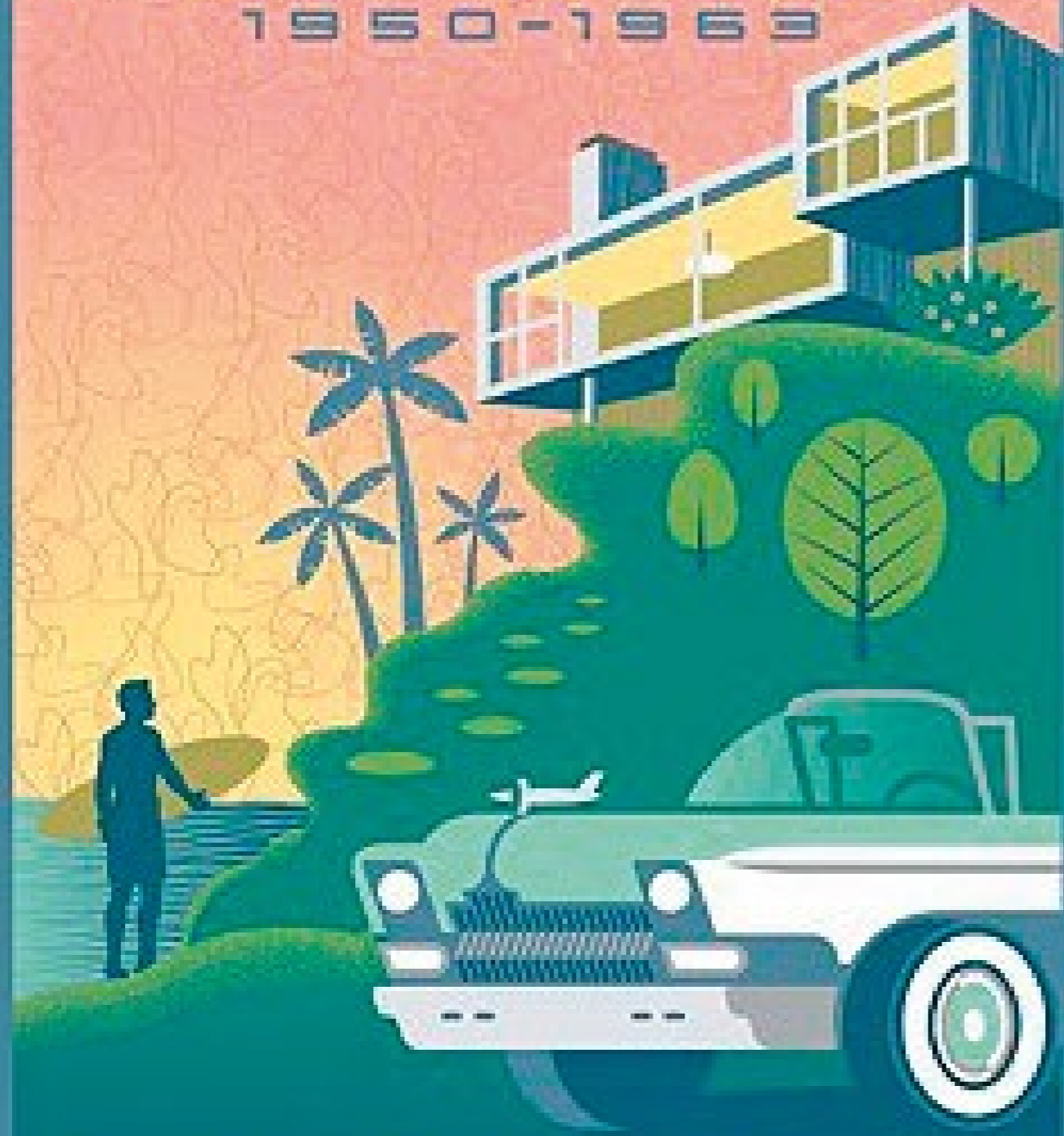
Arcadia, CA



Is it our dreams?

GOLDEN DREAMS

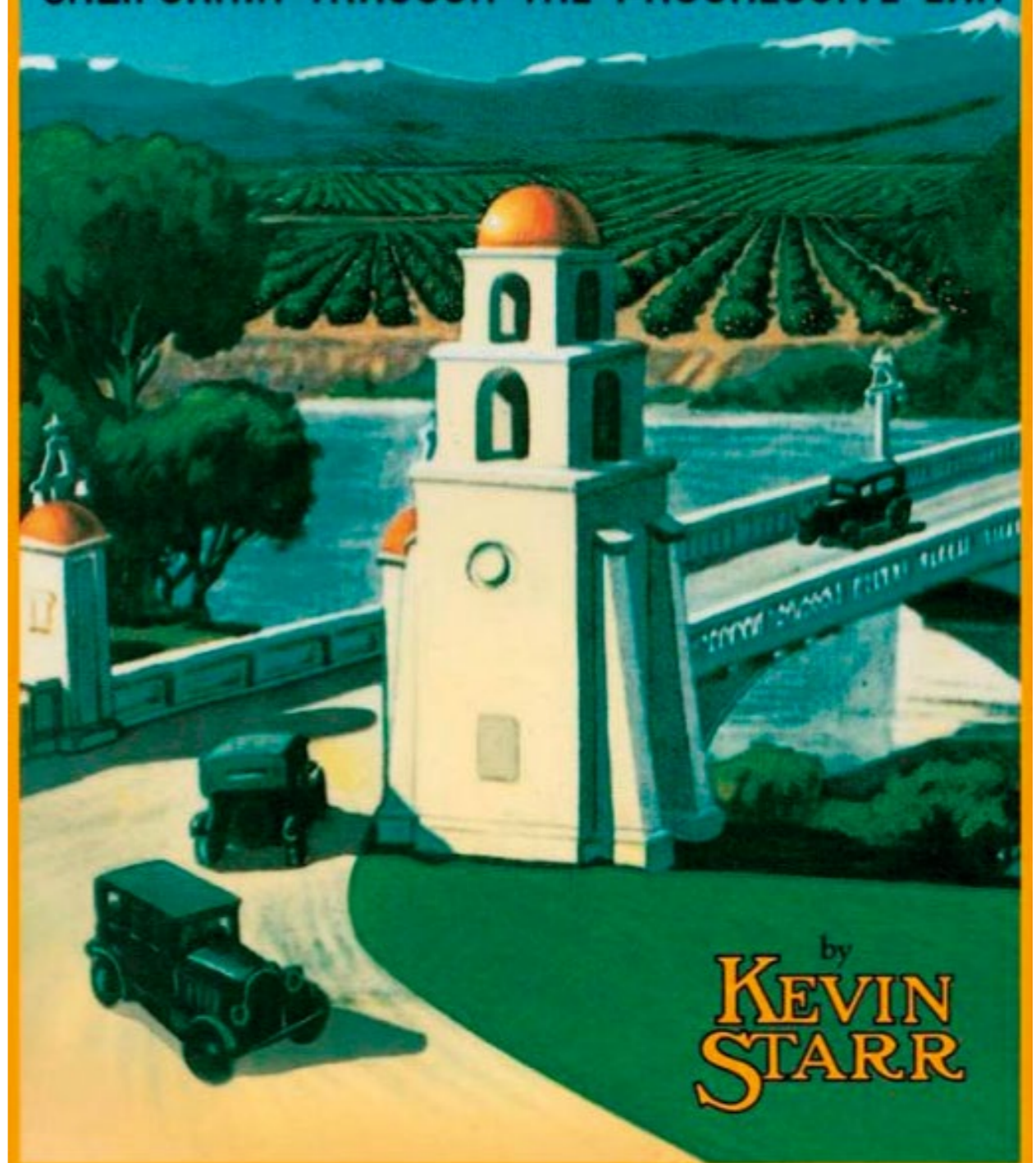
CALIFORNIA IN AN AGE OF ABUNDANCE
1950-1963



KEVIN STARR

INVENTING THE DREAM

CALIFORNIA THROUGH THE PROGRESSIVE ERA

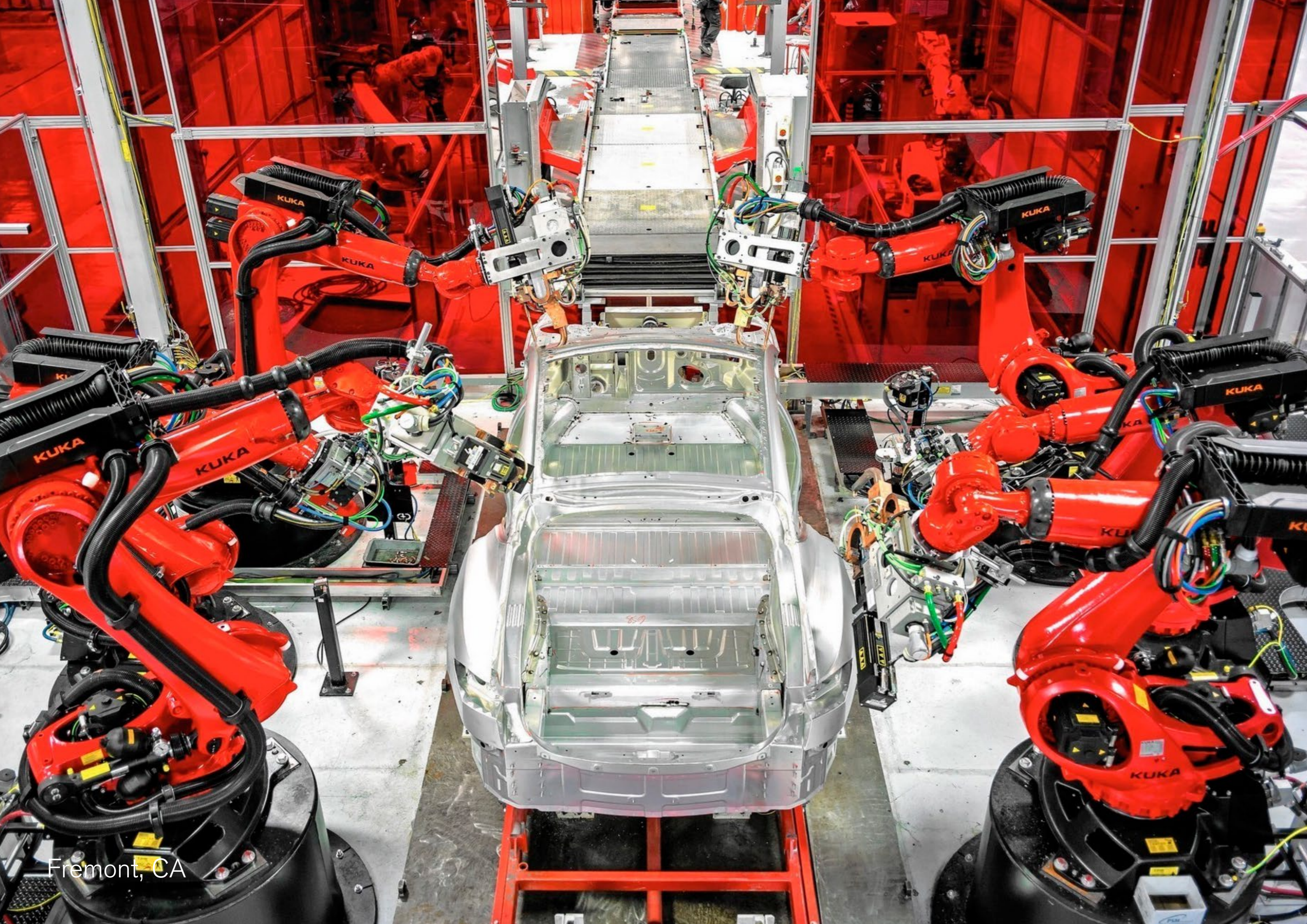


by
KEVIN STARR

A scene from the movie 'Tomorrowland' showing a young boy in a red space suit and a young girl in a blue dress walking away from the camera in a futuristic city. The boy is wearing a red space suit with a large oxygen tank on his back. The girl is wearing a blue dress with a white headband. They are walking on a blue and white tiled floor. In the background, there are tall, futuristic buildings and a bright sky with some flying vehicles.

Is it our imagination?

'Tomorrowland,' Hollywood

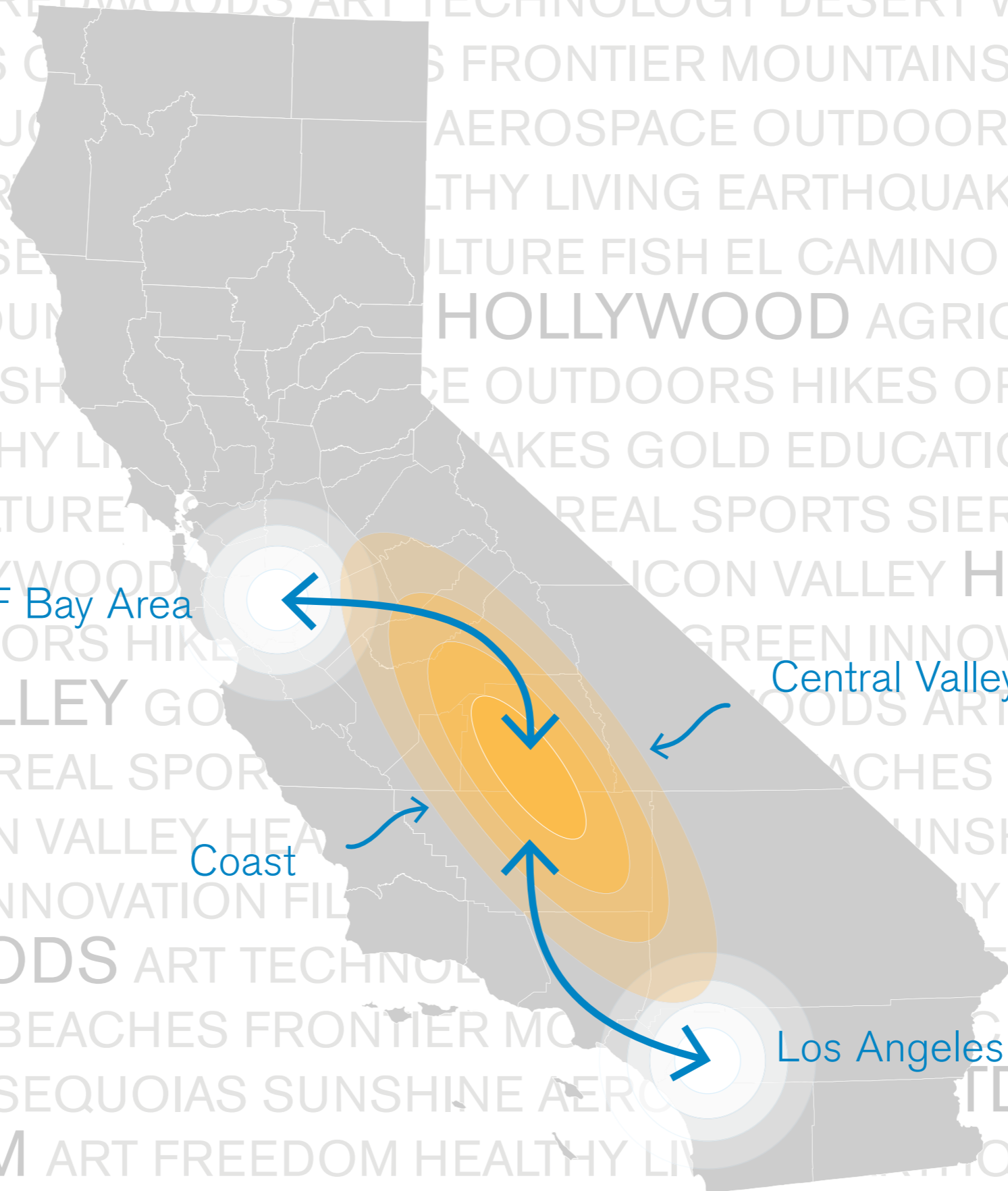


Fremont, CA



Palm Springs, CA

WOOD AGRICULTURE SILICON VALLEY HEALTH FOOD SEQUOIAS SUNSHINE AEROSPACE
S HIKES ORANGE YOGA GREEN INNOVATION FILM ART **FREEDOM** HEALTHY LIVING EAR
S GOLD **EDUCATION** REDWOODS ART TECHNOLOGY DESERT WILDLIFE CULTURE FIS
O REAL SPORTS SIERRAS COAST BEACHES FRONTIER MOUNTAINS **PACIFIC** HOLLYWO
TURE HEALTH FOOD SEQUOIA SUNSHINE AEROSPACE OUTDOORS HIKES ORANGE YOGA
INNOVATION FILM ART TECHNOLOGY DESERT WILDLIFE CULTURE FISH EL CAMINO REAL SPORTS SIERRA
T BEACHES FRONTIER MOUNTAINS **HOLLYWOOD** AGRICULTURE SILICONE VA
H FOOD **SEQUOIA** SUNSHINE AEROSPACE OUTDOORS HIKES ORANGE YOGA GREEN
ILM ART FREEDOM HEALTHY LIVING EARTHQUAKES GOLD EDUCATION REDWOODS ART T
GY DESERT WILDLIFE CULTURE FISH EL CAMINO REAL SPORTS SIERRAS COAST BEACHES
MOUNTAINS PACIFIC HOLLYWOOD AGRICULTURE SILICON VALLEY **HEALTH FOOD SEQUOIA**
SHINE AEROSPACE OUTDOORS HIKES ORANGE YOGA GREEN INNOVATION FILM ART FREE
HY LIVING **SILICON VALLEY** GOVERNANCE MOUNTAINS PACIFIC HOLLYWOOD AGRICULTURE
ULTURE FISH EL CAMINO REAL SPORTS SIERRAS COAST BEACHES **MOUNTAINS** PACIFIC
OD AGRICULTURE SILICON VALLEY HEALTH FOOD SEQUOIAS SUNSHINE AEROSPACE OUT
ORANGE YOGA GREEN INNOVATION FILM ART FREEDOM HEALTHY LIVING EARTHQUAKES
D EDUCATION **REDWOODS** ART TECHNOLOGY DESERT WILDLIFE CULTURE FISH EL CA
SPORTS SIERRAS COAST BEACHES FRONTIER MOUNTAINS PACIFIC HOLLYWOOD AGRICU
N VALLEY HEALTH FOOD SEQUOIAS SUNSHINE AEROSPACE OUTDOORS HIKES ORAN
GREEN INNOVATION **FILM** ART FREEDOM HEALTHY LIVING EARTHQUAKES GOLD EDUCAT
OODS ART TECHNOLOGY DESERT WILDLIFE CULTURE FISH EL CAMINO REAL SPORTS SIE
BEACHES FRONTIER MOUNTAINS PACIFIC HOLLYWOOD **AGRICULTURE** SILICON V
H FOOD SEQUOIAS SUNSHINE AEROSPACE OUTDOORS HIKES ORANGE YOGA GREEN IN



SF Bay Area

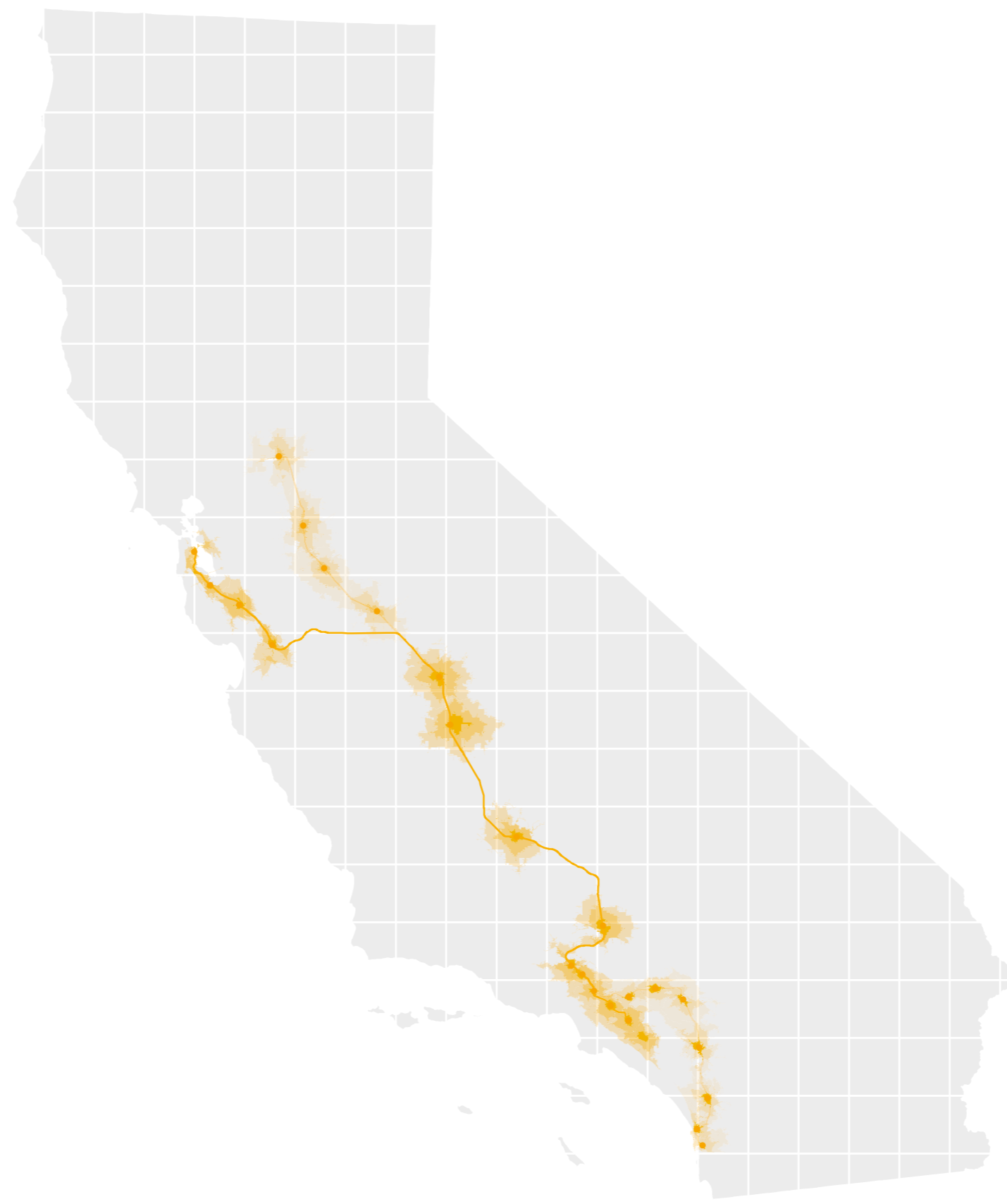
Central Valley

Coast

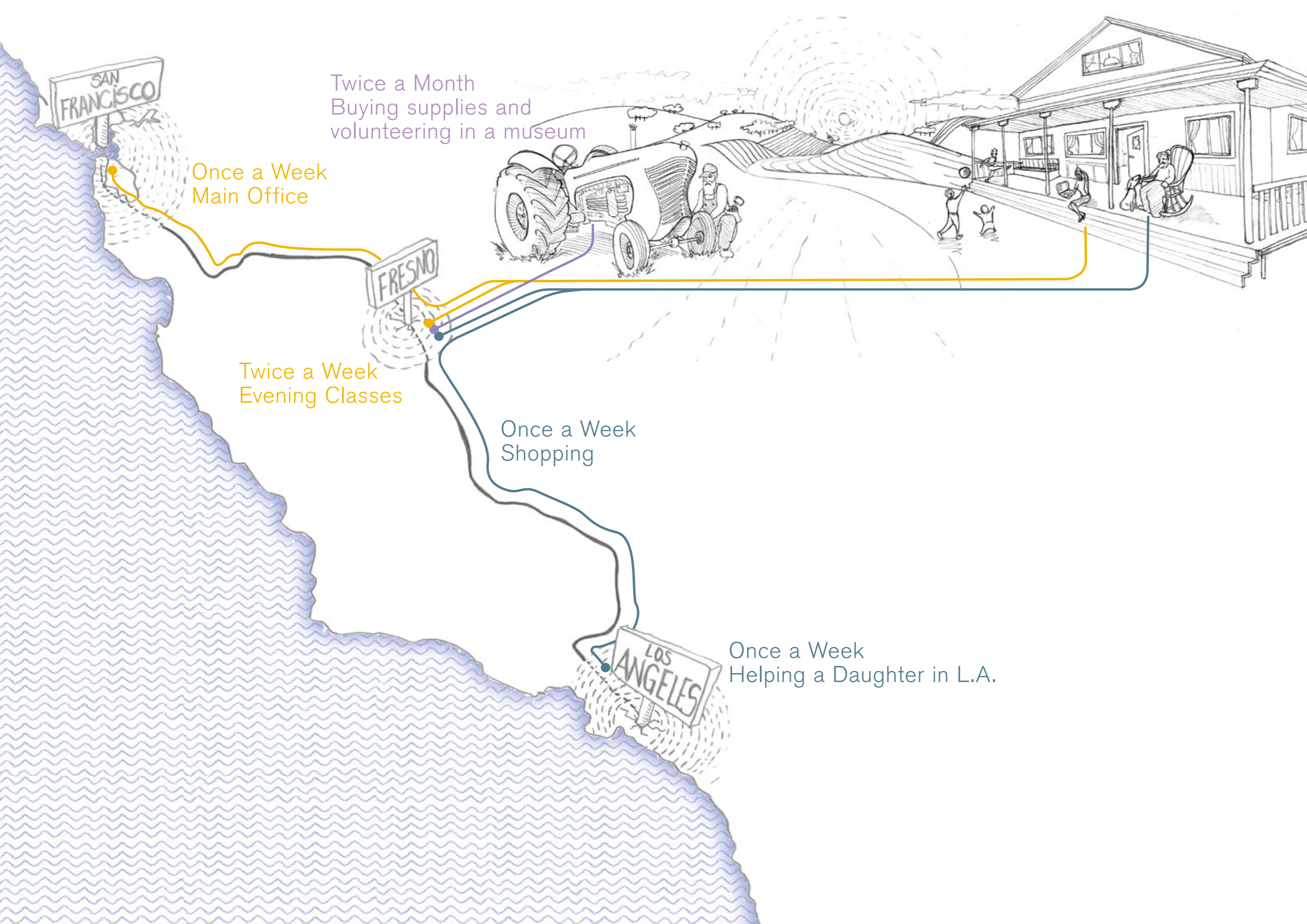
Los Angeles Basin

Driving times

- 10 minutes
- 20 minutes
- 30 minutes



Bringing the state together



SAN FRANCISCO

Twice a Month
Buying supplies and
volunteering in a museum

Once a Week
Main Office

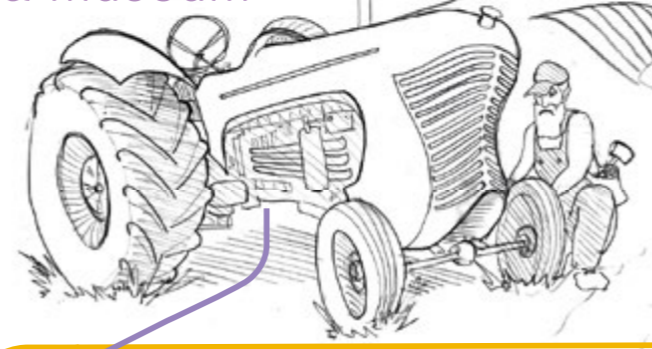
FRESNO

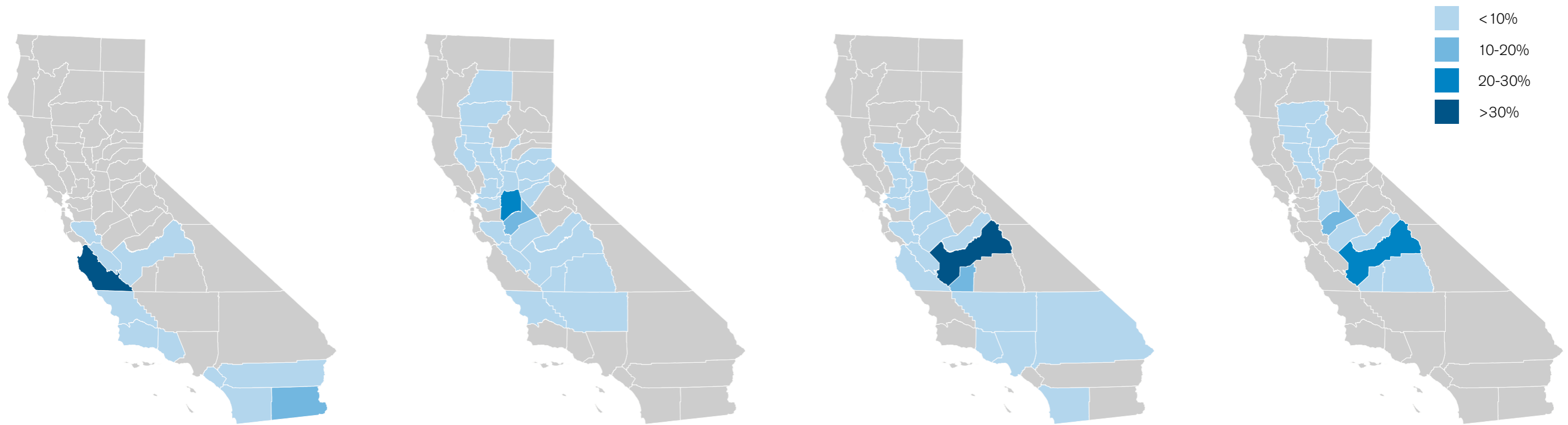
Twice a Week
Evening Classes

Once a Week
Shopping

LOS ANGELES

Once a Week
Helping a Daughter in L.A.



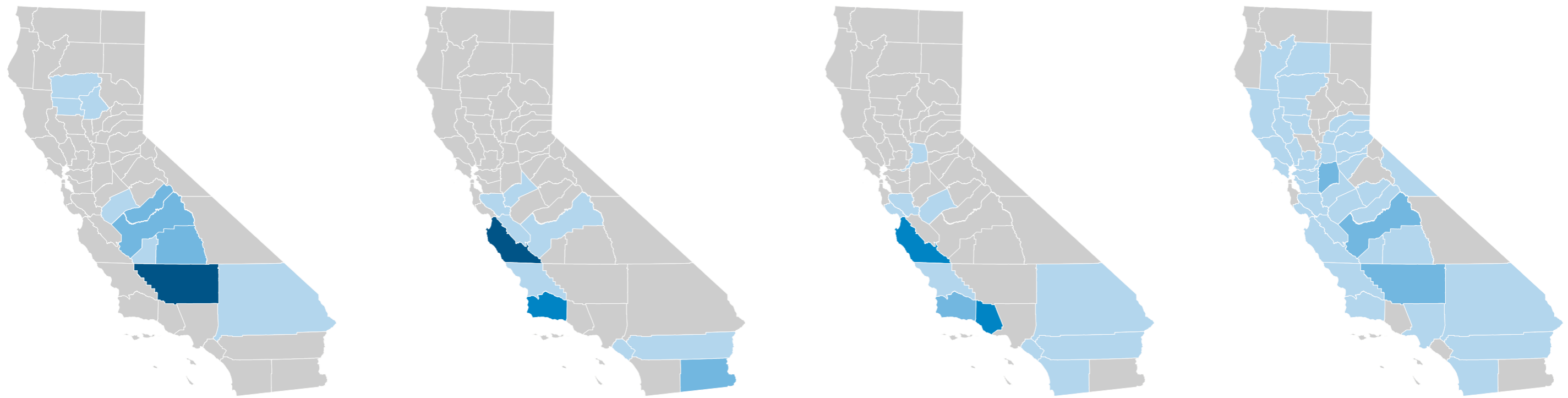


74% of all US lettuce

99% of all US walnuts

90% of all US tomatoes

99% of all US almonds



98% of all US pistachios

95% of all US broccoli

92% of all US strawberries

91% of all US grapes

Agricultural Production, Central California

Data: US Drought Monitor, California Department of Food and Agriculture, US Department of Agriculture. Crop maps based on 2012 figures.



Feeding the nation from the Central Valley



London

Brussels

80mi

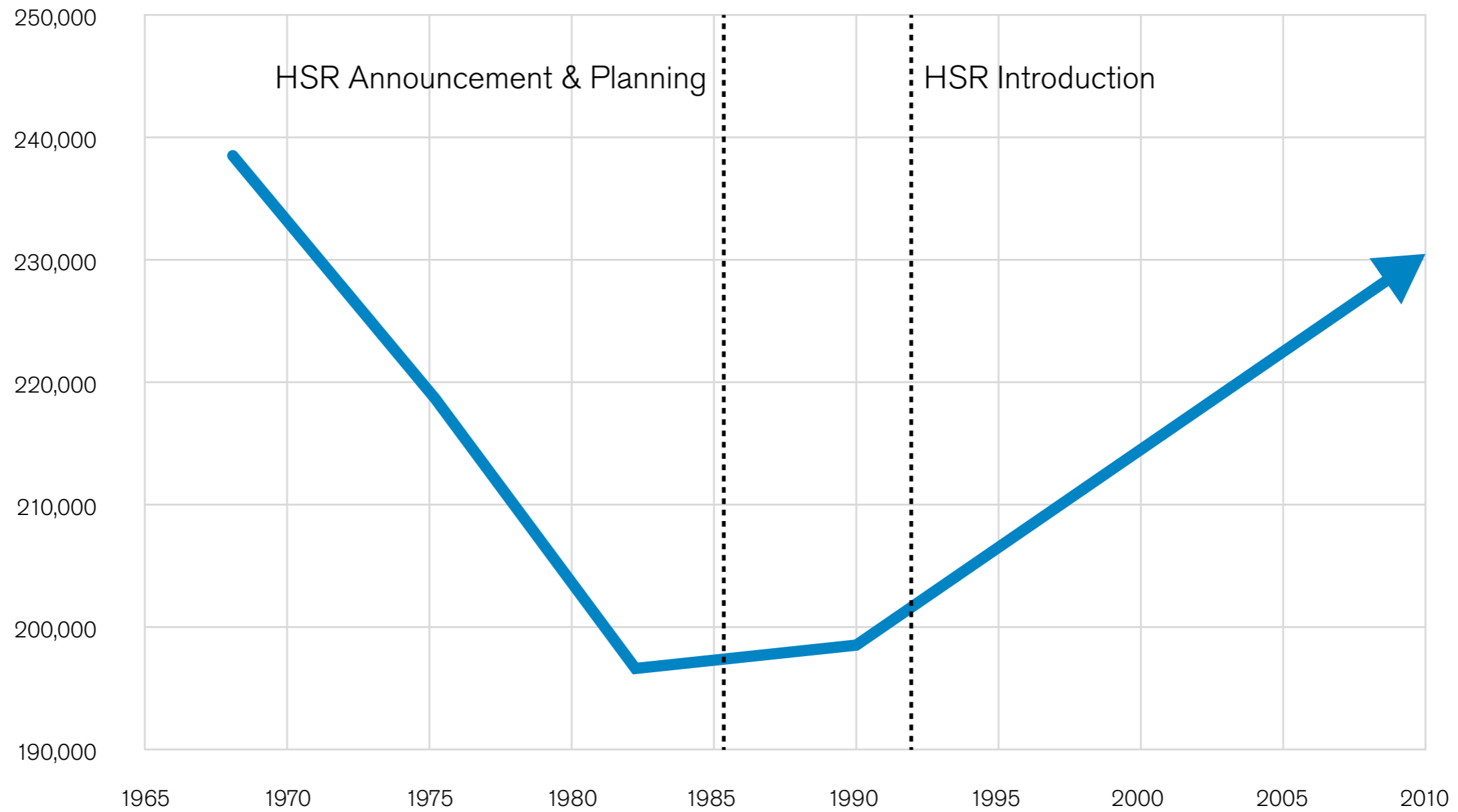
40mi

Lille

60mi

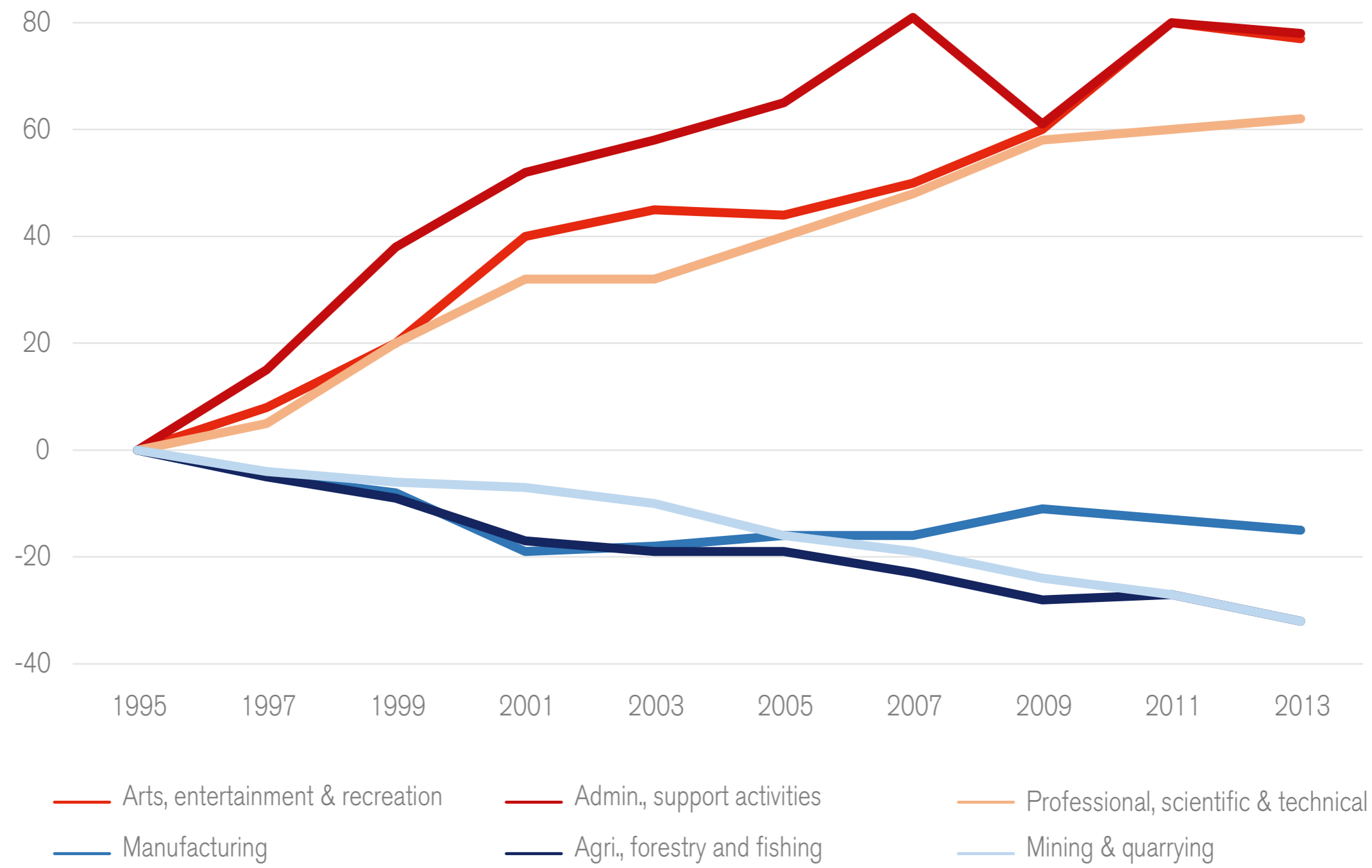
Paris

Lille was perfectly positioned for HSR



Lille's Population Growth

HSR became a catalyst for growth,



Lille's Quality of Jobs

and diversified the job market.

A vibrant blue sky filled with wispy white clouds. A bright sunburst effect is visible on the right side, casting a warm glow across the scene. The clouds are scattered and delicate, adding texture to the deep blue background.

We dream of a future where
nature and technology work together.





HWY 280

Diridon Station

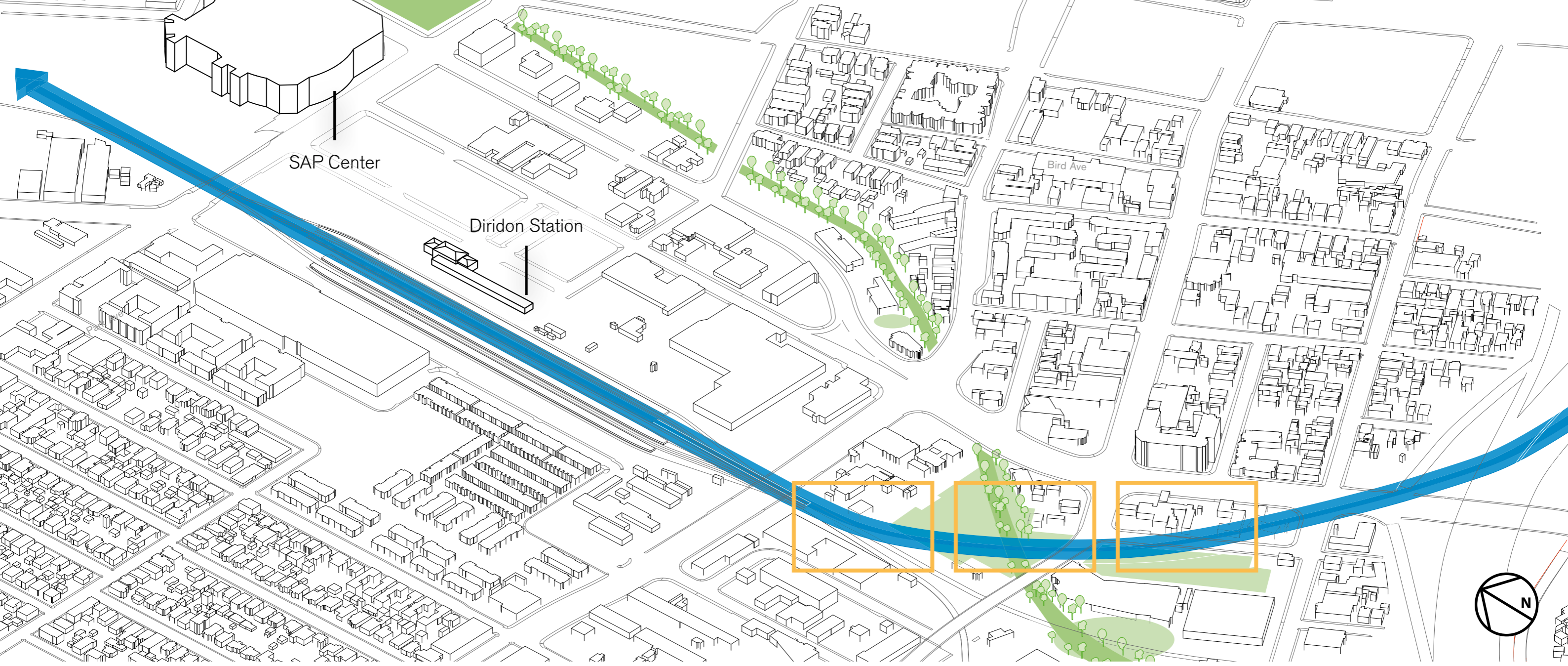
Convention Center

SAP Center

Downtown

HWY 87

San Jose Station Area Opportunities



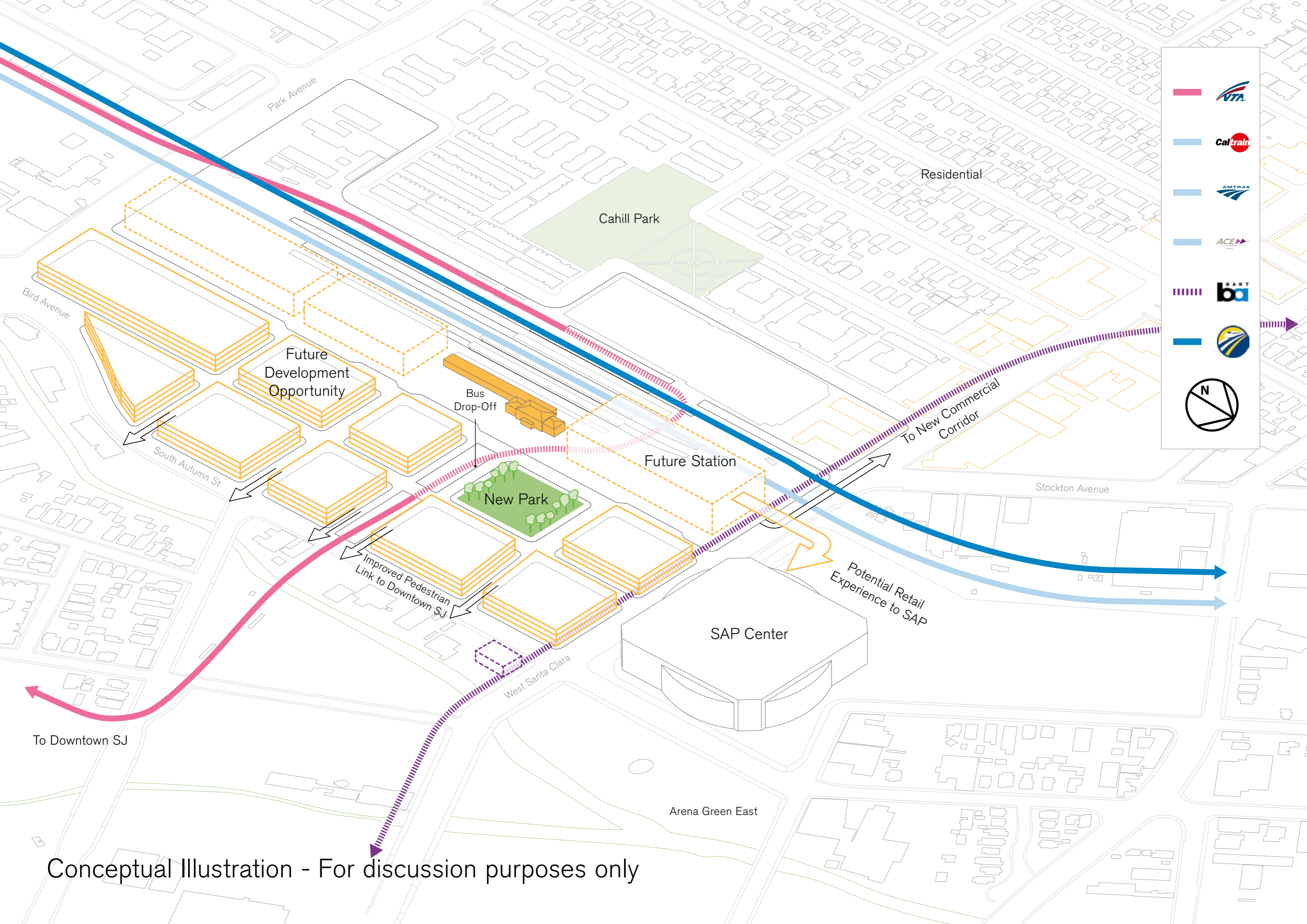
Public Square - Central Gathering Place



Recreation Area - Cross Connections



Retail in Walking Distance



Conceptual Illustration - For discussion purposes only



A viaduct does
NOT
need to look like this.

Book Festival, South Bank, London



A viaduct is a gathering place,

Food Market, Paris



or a marketplace

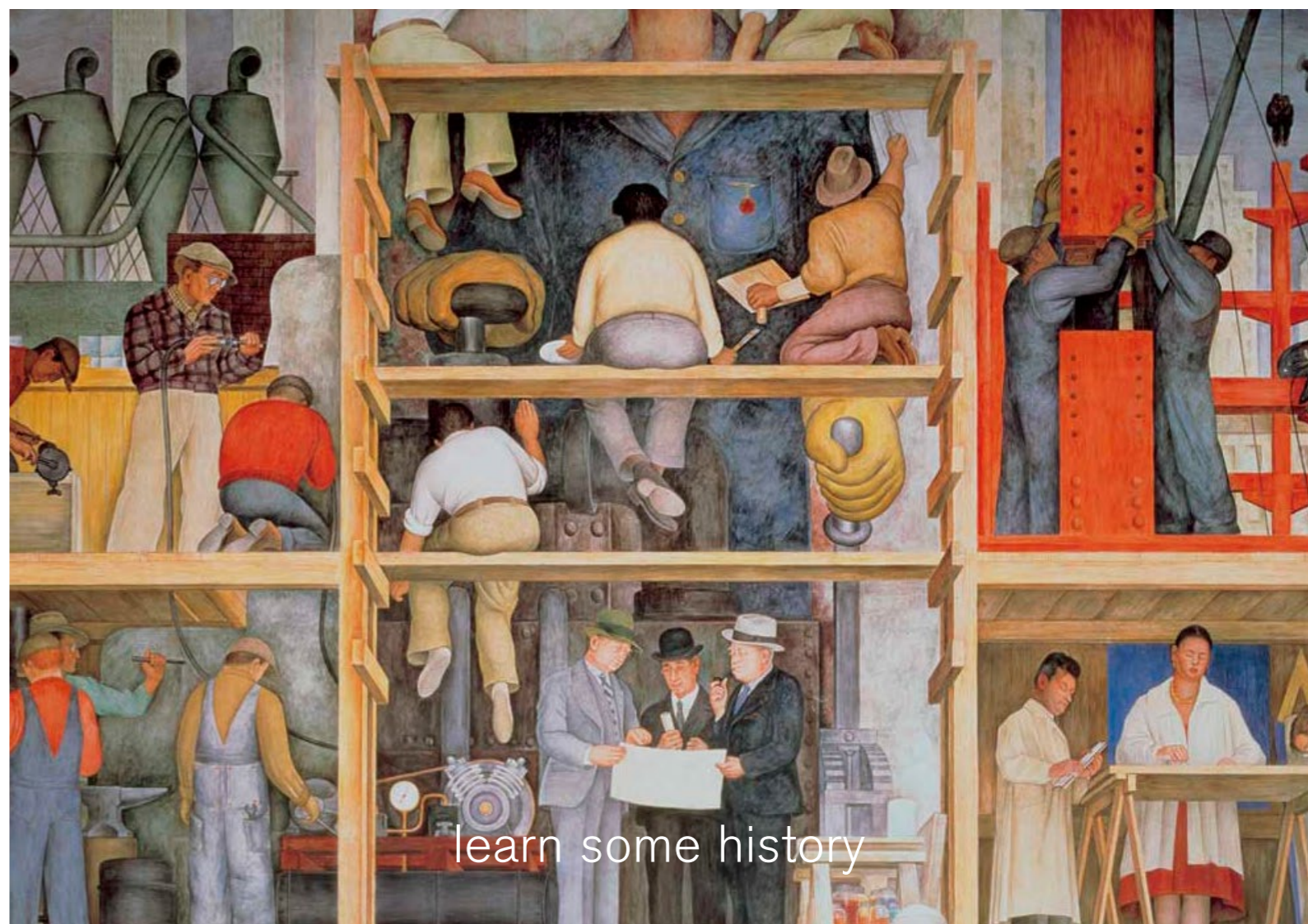
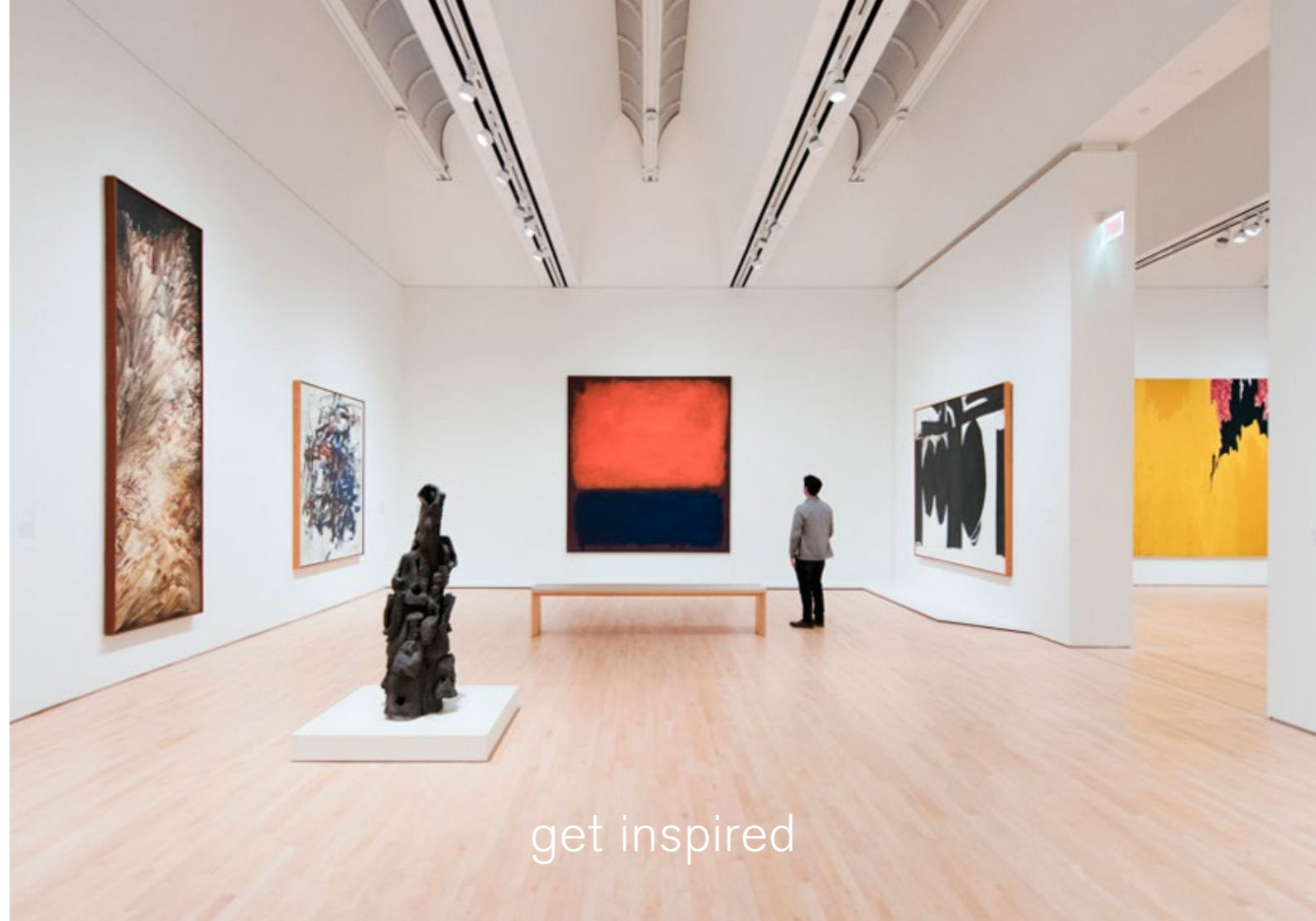


A concourse does
NOT
need to look like this.



It's a social uplifting space

Cross Rail Station, Canary Wharf, London





Akropoli Metro Station, Athens

Ferry Building, San Francisco



It is a community destination



Courtyard Union Station, Los Angeles

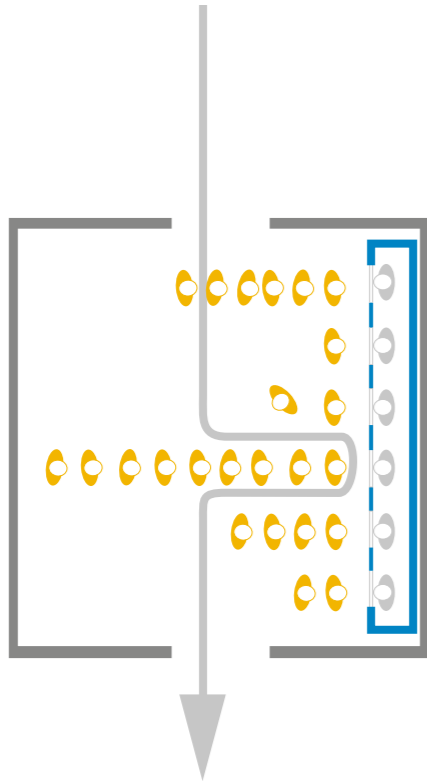


Cross Rail Station, Canary Wharf, London

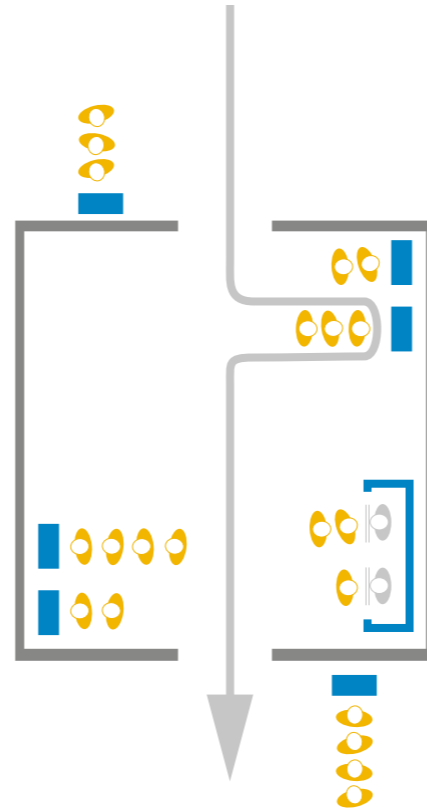


A station is
NOT
a machine.

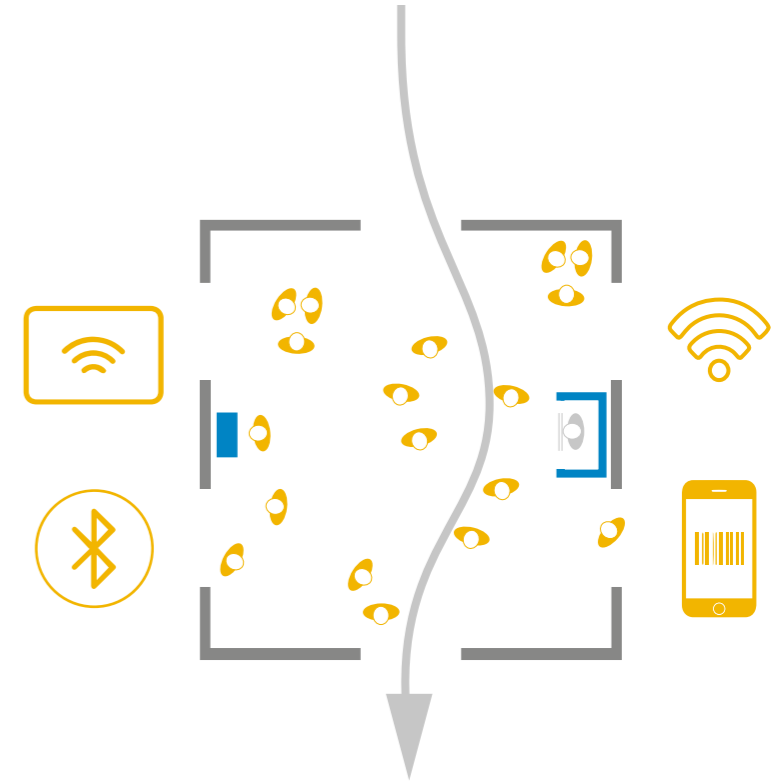
Past



Present



Future





Waiting does
NOT
need to look like this.



Place de Vosges, Paris



Copenhagen Towers





Kulm Ice Pavilion, St. Moritz



Maggie Center, Manchester



Access to platforms does
NOT
need to feel like this.

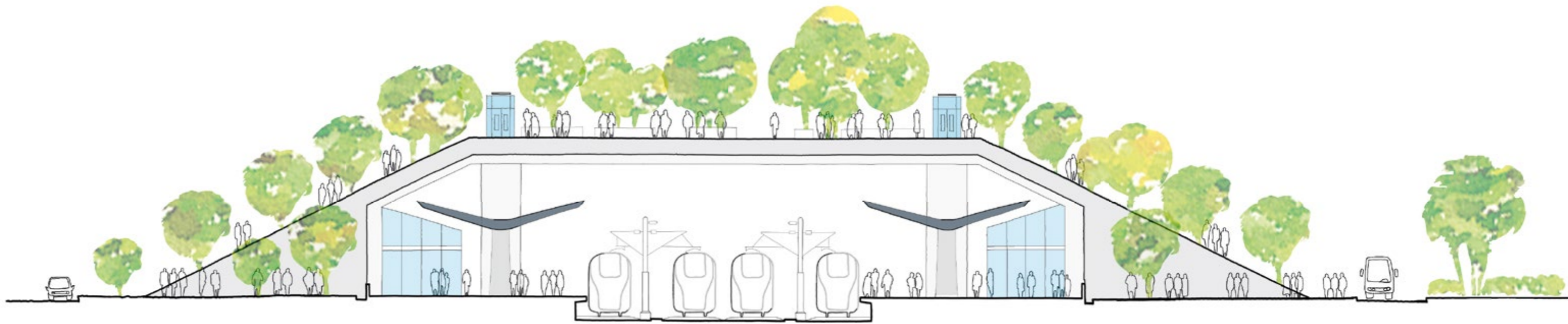


MFO Park, Zurich

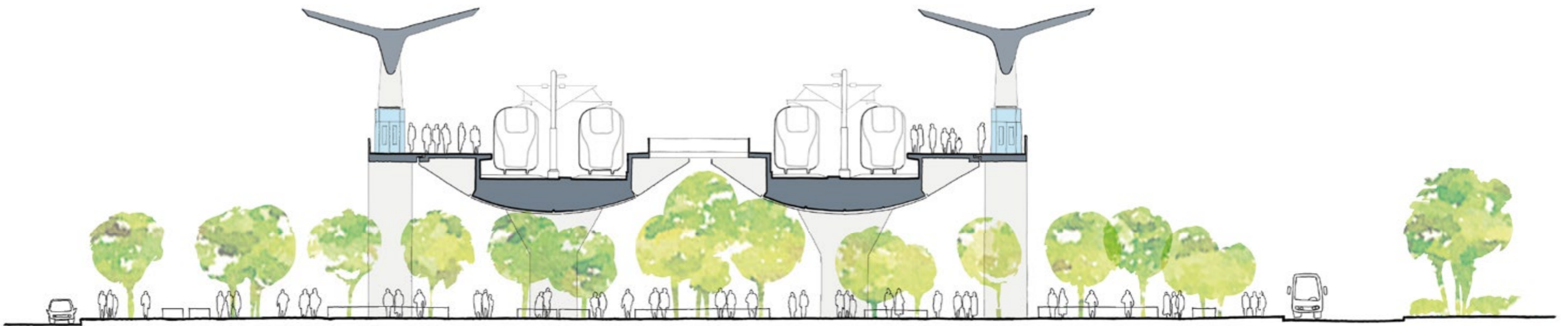


The High Line, New York City

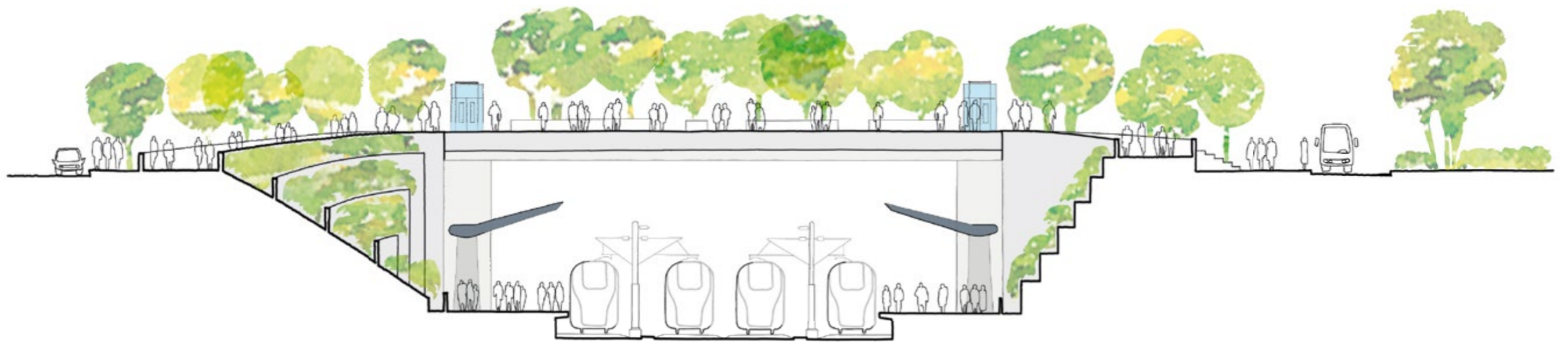




At Grade Platform



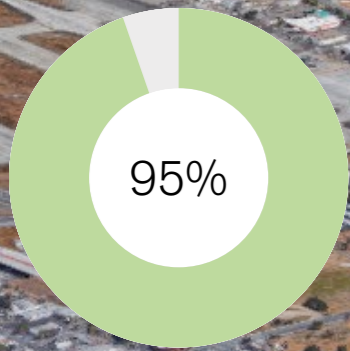
Above Grade Platform



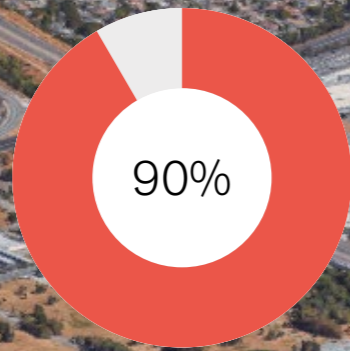
Below Grade Platform

Palmenhouse, Munich

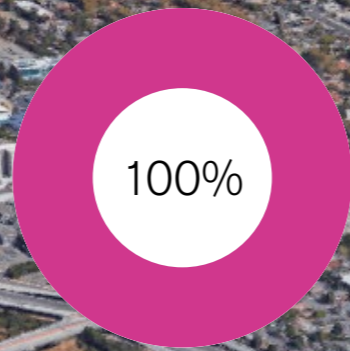
Sustainability is integral to design



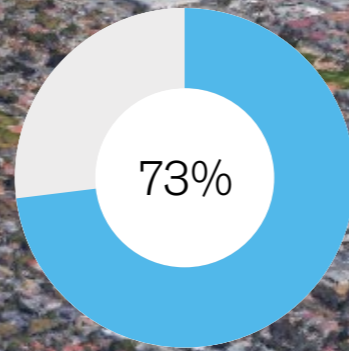
Recycling



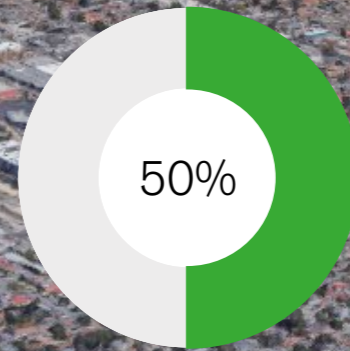
CO₂ Reduction



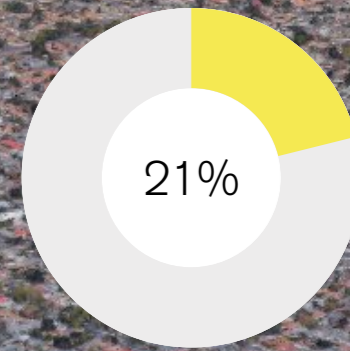
Public Transport



Water use Efficiency



Renewable Energy



Return on Investment

Developing the tools to measure success

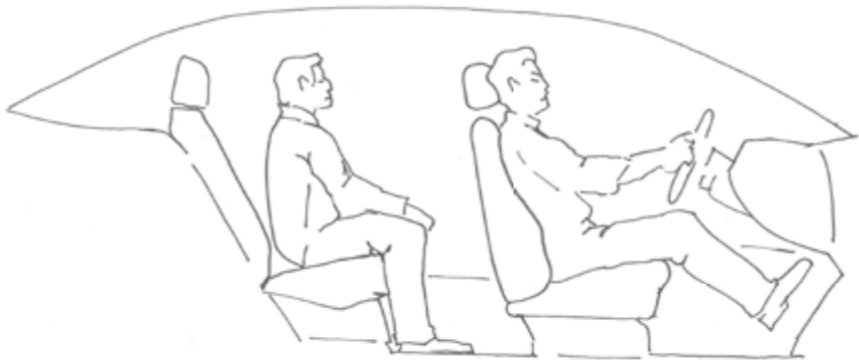


This is
NOT
the best way to spend time.

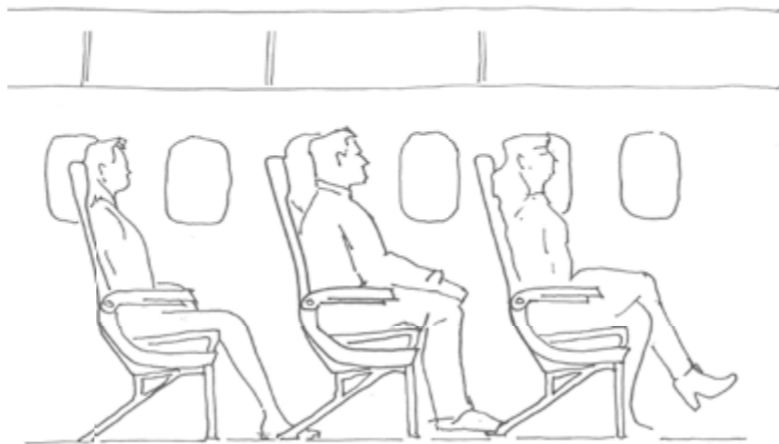


This is
NOT
a comfortable environment.

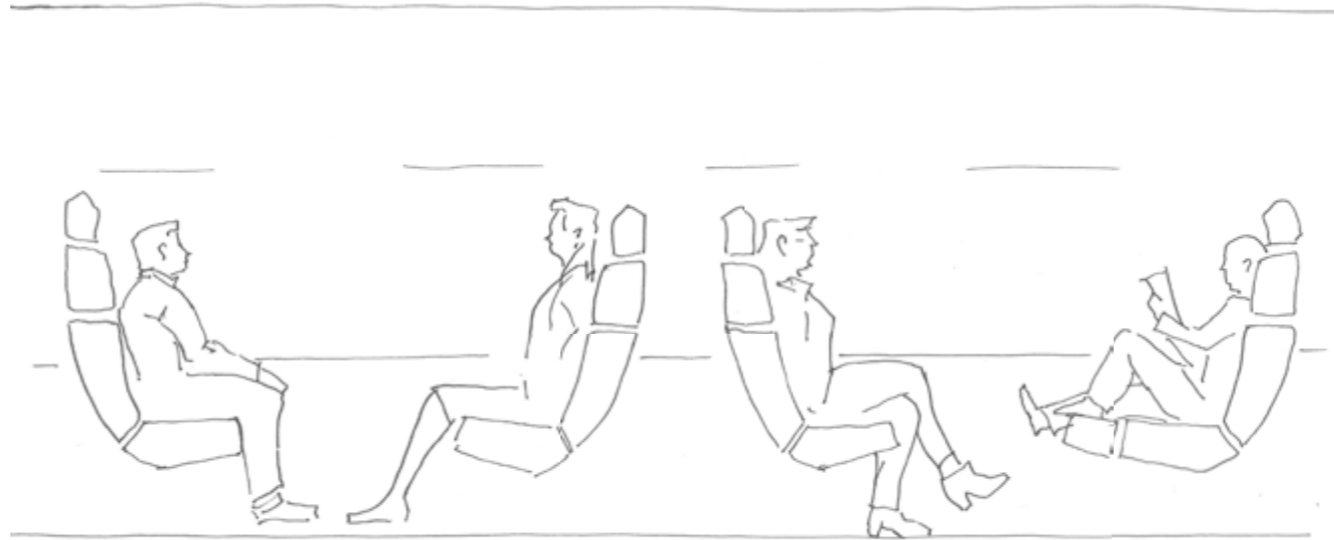
Comfort



Car



Plane



High-Speed Rail

Scale



17'

Car



100'

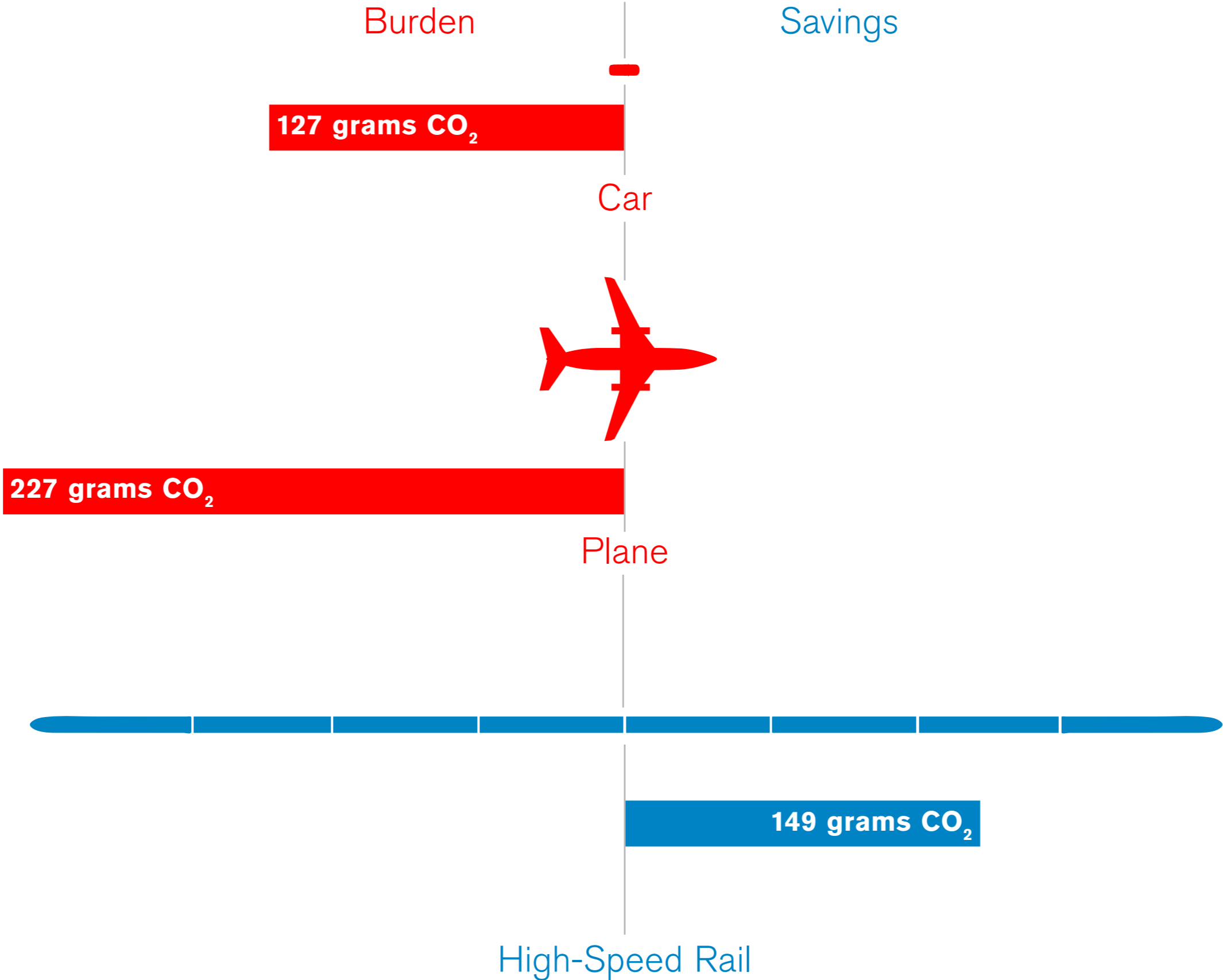
Plane



673'

High-Speed Rail

Carbon Mode Comparision (per passenger mile)



* Grams per passenger mile were based on GHG emissions results developed from the VMT and Air Trip reduction outputs of the ridership and revenue model developed for the 2016 Business Plan. Load factors of 101 passengers per plane, 1.25 passengers per auto, and 265 passengers per train were used.

California High-Speed Rail



Union Pacific, 1935-1942



Learning from the past



Volvo Concept Car, 2017



and adapting to the future



What if the train felt like your favorite cafe,



or became an extension of your office,



or provided quality time with family?

The background of the image is a blurred landscape. It features a bright blue sky at the top, transitioning into a green field in the middle ground, and a yellowish-brown field in the foreground. The overall effect is a soft, out-of-focus natural scene.

California High-Speed Rail