



New T1 Aerial

Ready for Takeoff

Team moves forward on the development of a modern, sustainable terminal at San Diego International Airport

When the San Diego International Airport (SAN) opened Terminal 1 in 1967, it served 2.5 million passengers annually. That number grew to nearly 12 million in 2019, with SAN serving as the nation's busiest single-runway commercial airport today. This tremendous growth has paved the way for SAN's latest expansion, the Terminal 1 replacement project ("New T1").

The New T1 will leverage \$3.4 billion to demolish and rebuild Terminal 1 with additional gates, seating areas, restaurants, shops and expanded security checkpoints. In addition to the terminal, a new three-lane airport access road and 5,200-car parking plaza are being built. The on-airport roadway system will feature dual-level roads and a curb front to separate arriving and departing passenger traffic. A space outside the terminal is being held for a future connection to the region's public transit network.

When construction is complete, SAN's new Terminal 1 will be more modern and energy-efficient and hold 30 gates. This will ultimately provide a better and more efficient experience for airport passengers and position SAN for the future of air travel.

San Diego County Regional Airport Authority

DIRECTOR, AIRPORT DESIGN & CONSTRUCTION
Bob Bolton

LOCATION
San Diego, California

ARRIVE (San Diego Aviation Alliance)

VICE PRESIDENT & PROJECT DIRECTOR
Dan McGuckin

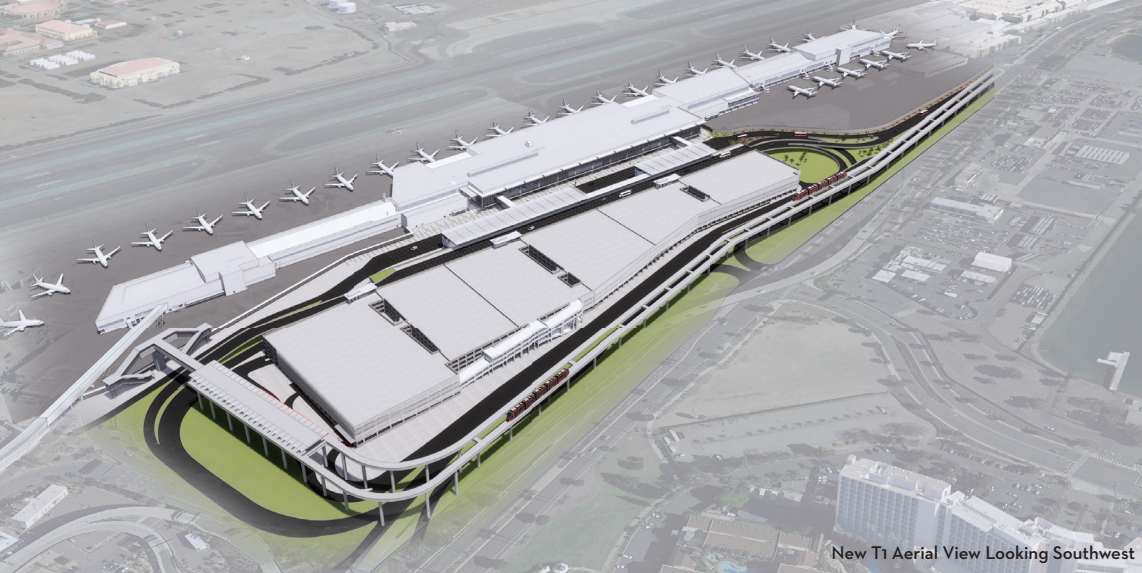
LOCATION
San Diego, California

ASSEMBLING THE TEAM

The New T1 project is being executed under a design-build structure featuring industry-leading designers, contractors and engineers. Bob Bolton, Director of Airport Design and Construction for the San Diego County Regional Airport Authority, says that in order to navigate the extremely complex construction logistics for the program, his team had to strategize on a few major elements.

First was a programmatic definition document with stakeholder input to help lead the design-build team's decisions. Second was creating a fair and inviting design-build contract based on in-house and external consultants' expertise to bring the best of the best to the project. Third was building a high-performing team that could work together toward a common vision of success.

These steps led the Airport Authority to hire the "ARRIVE" San Diego Aviation Alliance, led by Turner-Flatiron, a Joint Venture, with Gensler as lead architect. Also on the team are MKA structural engineers, Kleinfelder and Latitude 33 Planning and Engineering, the last of which will lead



New T1 Aerial View Looking Southwest

LATITUDE 33 PLANNING & ENGINEERING

Latitude 33 is honored to be a part of the critically important New T1, increasing San Diego's capacity to host visitors from around the globe, and enhancing San Diegans' gateways to the US and beyond. We've been fortunate to impact the Southwest United States for nearly 30 years. Latitude 33 has been a part of numerous progressive design-build projects, strategic campus redevelopments, and successful civic projects that have shaped the landscape and contributed to the economic vitality of the region. We're pleased to work with the professional and collaborative Arrive Alliance for the New T1. Our client, the San Diego County Regional Airport Authority, has been superb in communicating their goals, objectives, and vision for this project.

site components like utilities, on-grade roadways and grading using its team's solution-oriented land development expertise. AECOM is assisting on the program management side. The Airport Authority has worked with many of these partners before, creating a synergistic team.

"We actually have worked with the design-build team, both on the design side [and] on the construction side on previous projects. And then, of course, on the AECOM team, they had a contract here on the previous program," Bolton says. "I have been able to really hand-pick my entire management team, which is a big success factor with these relationships already established [and] with trust built up both on the construction and design side as well as the program management side."

The Turner-Flatiron joint venture and Gensler each bring their own set of aviation-related expertise to the project. This has given them the ability to navigate challenges such as virtual collaboration at the start of the project, continuous input and engagement from stakeholders, COVID-19-related material shortages and cost escalations.

"Airports have their own unique language, concerns and special requirements. Maintaining passenger safety and minimizing impact to operations are paramount. It takes a team of experienced airport builders and designers that understand these essentials to build a new terminal, parking plaza and roadway system right in the middle of existing airport operations," says Dan McGuckin, Vice President and Project Director for

SAN DIEGO TERMINAL 1

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FLATIRON

The San Diego International Airport's New Terminal 1 will bring an enhanced travel experience to passengers and guests utilizing one of America's great airports. The Arrive Alliance, consisting of Turner, Flatiron and Gensler, is delivering this progressive design-build project to the San Diego community. Commitments to safety and innovation, along with collaboration with the project's client, San Diego County Regional Airport Authority, create the foundation for the project's success. Travelers can look forward to the new 30-gate, 1.2 million square foot facility, and an improved dual-level roadway system. The SAN New Terminal 1 is currently in the early stages of construction and is slated to be completed in 2027.



PROUD TO BE BRINGING NEW T1 TO LIFE AT SAN DIEGO INTERNATIONAL



NEW T1 arrive
SAN DIEGO AVIATION ALLIANCE
Turner FLATIRON Gensler

the ARRIVE Alliance. "It also helps to have over a dozen years of highly successful work at the San Diego [International] Airport and the strong relationships and 'inside knowledge' that come with that history. Turner, Flatiron and our design partner Gensler bring a unique combination of local and national aviation experience perfectly suited to the task at hand."

"The Airport Authority leadership are fantastic," says Mario Martinez, Vice President and San Diego District Manager for Flatiron West, Inc. "They are approachable, engaged and truly understand the work being built. They are working hard to get the best value without compromising the region's shared vision of a truly remarkable New T1."

PREPARING FOR FLIGHT

Sustainability plays a large role in the New T1 project, with an achievement goal of LEED® Gold. Multiple energy and water conservation as well as clean-air and zero-waste initiatives are included, such as expanded electric vehicle charging stations, solar power systems, expanded stormwater systems and a fully electric shuttle service. The terminal will be completely powered by carbon-free electricity.

Art is another key element of the New T1 program. Six new pieces of public art have been commissioned from local artists, in addition to a one-of-a-kind façade for the front of the terminal building by James Carpenter.



SRK ENGINEERING

SRK is a certified Disadvantage Business Enterprise, Small Business Enterprise, 8a Certified and Local Business Enterprise General Engineering Contractor based in Southern California who is committed to helping our clients be successful in the construction industry through attention to detail, executing efficiently, and delivering innovative solutions. Our team possesses years of experience on a diverse list of heavy civil, airport, bridge, retaining wall and pipeline related projects.



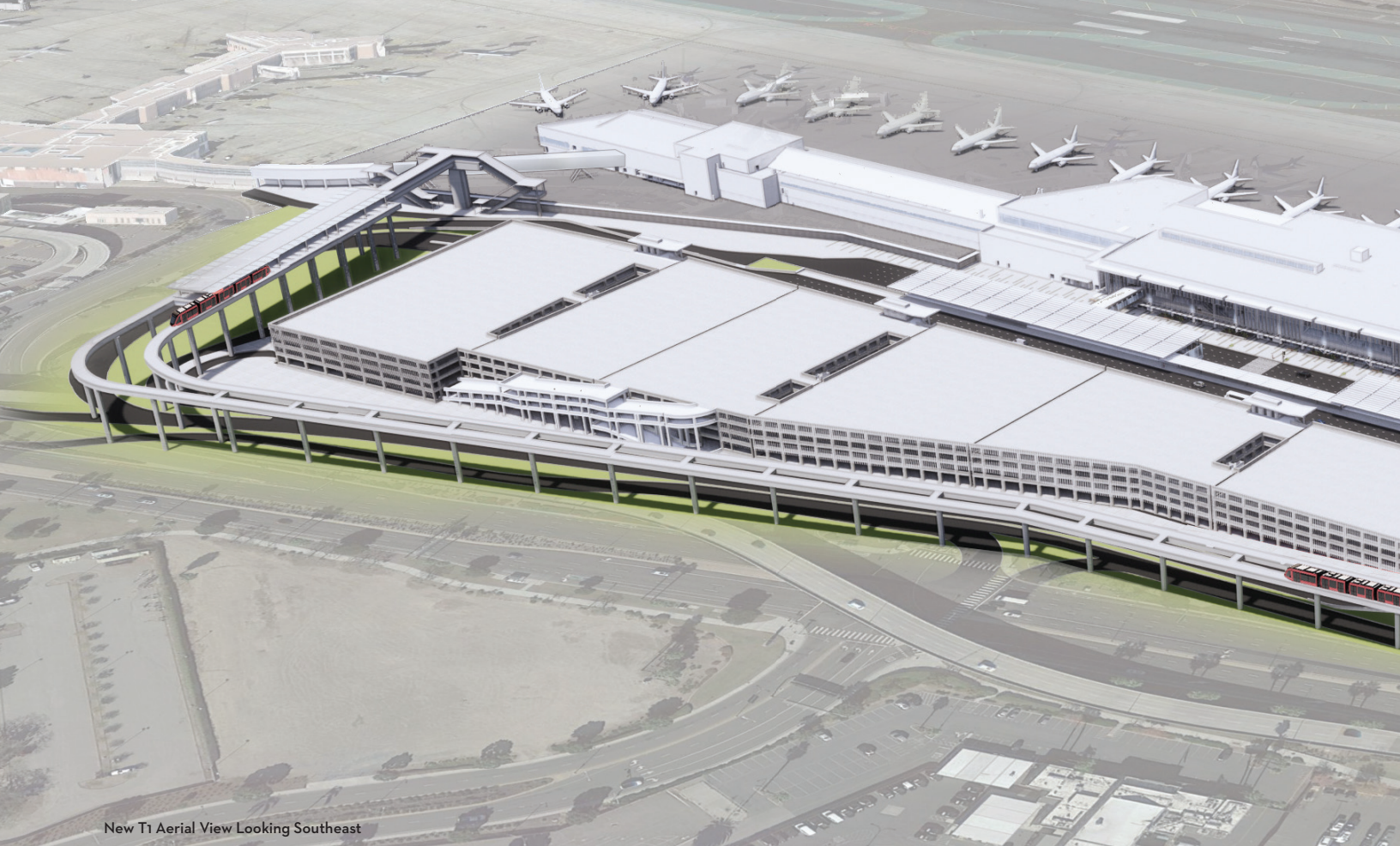
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SRK Engineering a valued partner on the T1 Airport Terminal

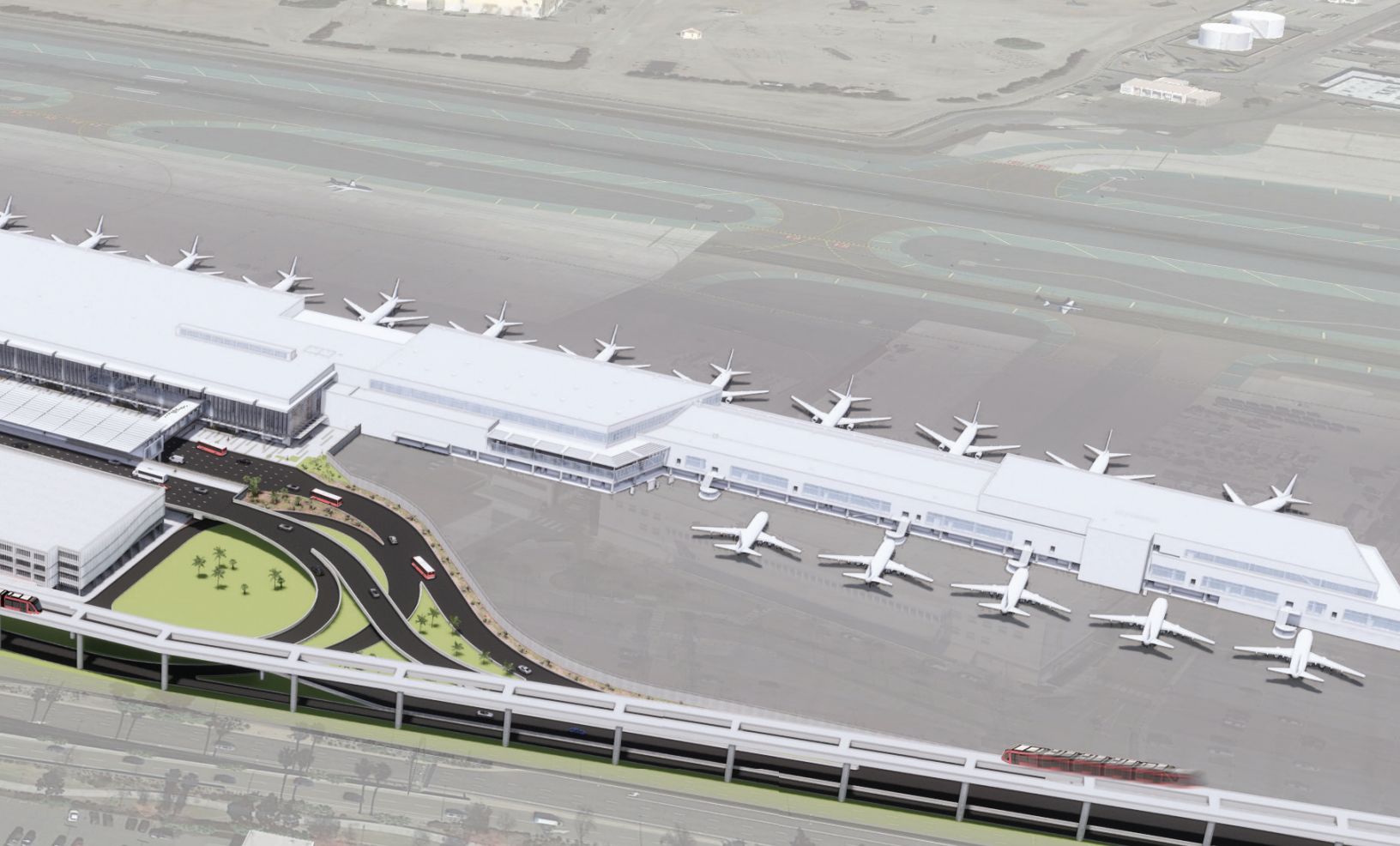
SRK is proud to work with the Arrive team on the T1 Airport Terminal Project to increase terminal gates and improvements to Terminal 1 at the San Diego International Airport. SRK is teaming up with Arrive to provide utility site improvements for the project management complex and adjacent parking area. We performed demolition of the existing parking lot, installed new sewer, domestic water and fire water. In addition, SRK furnished and installed new asphalt paving, signage, striping and concrete flatwork. SRK cut and capped existing utilities, relocated sewer and installed a gas line to Terminal 1.



New T1 Aerial View Looking Southeast



Groundbreaking attendees



"I'm most proud of the team that we've built here. It's a high-performing team; we will commit everything we can to each other," Bolton says. "And, I'm proud of the architecture as a result of the process we've gone through to build projects here in San Diego. This one will be the crown jewel of all the architecture we've put in place here at this airport."

The project team has a while to go before the new terminal is completed. The first phase, including 19 gates, the parking plaza and the new roadway system, will be complete by mid-2025. The remaining 11 gates will open by late 2027, with the entire New T1 project wrapping up by late 2028.

"Although this project is a continuation of our past work at [SAN], the magnitude, duration and complexity exceed anything the airport has done before," McGuckin says. "This is certainly not a project for the faint of heart! Once again, the collective experience of our seasoned team and the relationships built from our past work give us the confidence and capability to successfully execute this monumental project." ■



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Amerivet is honored to have the opportunity to work with the Arrive Team on the San Diego Terminal One Project.