Improving quality of life in Los Angeles
LOS ANGELES, CALIFORNIA — The city of angels, dreamers, innovators, movers and shakers—is a leading center of industry, commerce, transportation and entertainment. Municipal, industrial, educational and cultural institutions look to Arcadis for wide-ranging global expertise in improving quality of life.
## INTEGRATED SOLUTIONS

1. Serving You
3. Los Angeles and Arcadis
5. Local Experience

## REGENERATING THE CITY

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11. L.A. Live
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    Dr. Pankaj Parekh Ultraviolet Disinfection Facility
PASSION. COMMITMENT. EXPERTISE.
Unique, integrated solutions combined with deep local knowledge and fresh global perspectives.

#1 INTERNATIONAL DESIGN CONSULTANCY, U.S.  
#1 BUILDING DESIGN  
#1 GLOBAL ENVIRONMENTAL CONSULTANCY FOR THE PRIVATE SECTOR  
#1 RETAIL DESIGN  

28,000 STAFF WORLDWIDE  
$3.5 BILLION IN REVENUES

With partners that share our values, the balance for successful outcomes is achieved—between present need and future legacy, profit and sustainability, true innovation and the tried and true. Our mission: improving quality of life.
SERVING YOU
Addressing your full life-cycle needs to bring the desired outcomes.

BROAD & INTEGRATED SERVICES

Architecture Design | Asset Consulting | Construction Management
Cost Consulting | Design & Engineering | Business Advisory
Master Planning/Urban Design | Program Management
Project Management | Risk Management Consulting
Sustainability Consulting
Los Angeles is iconic — a truly global city and economic powerhouse. One of the most populous and diverse cities in the nation, it is a leader in international trade; culture and entertainment; science and technology; education and research; and social, economic and environmental sustainability.
For more than half a century, we have applied our local knowledge and worked with city leaders to increase Los Angeles’ competitive advantage, stimulate the local economy, and facilitate asset-led transformation through the design and regeneration of new and existing assets. Five hundred of our consultants call Los Angeles home—leaders and volunteers who contribute time and talent to the city’s civic, cultural and educational institutions, and who enjoy its world-renowned amenities and quality of life. We take pride in contributing to Los Angeles’ strengths and reputation.

**REGENERATING THE CITY**
Through dynamic planning and urban design that revitalizes the urban environment while providing a major boost in tourism and revenue.

**PROMOTING EDUCATIONAL EXCELLENCE**
By making educational institutions safer, greener and more technologically adaptable.

**FOSTERING RESILIENCY**
By integrating sustainability into many of Los Angeles’ most iconic and dynamic structures and neighborhoods and helping ensure a consistent, drought-proof supply of quality water.

**FORGING GLOBAL CONNECTIONS**
By designing and managing state-of-the-art upgrades to air, rail and port facilities—making them more efficient, profitable, passenger and worker friendly, innovative, and sustainable.

**DELIVERING INFRASTRUCTURE FOR THE FUTURE**
Through the construction and renovation of parks, the remediation and repurposing of impaired sites, and capital improvements to the city’s water and wastewater systems to provide clean, clear water and safe, welcoming environments for residents and visitors alike.

These and other examples of our contributions to Los Angeles’ clean air, land and water; critical infrastructure; educational and cultural excellence; commerce; housing—and so much more—are illustrated on the following pages.
ARCADIS’ CONTRIBUTIONS TO LOS ANGELES

- Los Angeles Aqueduct Filtration Plant
- Dr. Pankaj Parekh Ultraviolet Disinfection Facility
- Los Angeles International Airport
- Los Angeles Unified School District
- Penmar Park
- Los Angeles Harbor College
- South Los Angeles Wetland Park
- Long Beach Airport
- Long Beach Unified School District
- Market Lofts at 9th and Flower
- Port of Los Angeles
- Port of Long Beach
- Downey Landing
- John Wayne Airport
REGENERATING THE CITY

LOS ANGELES
SPORTS AND ENTERTAINMENT DISTRICT
Downtown Revitalization

L.A. LIVE sparked downtown Los Angeles’ urban renaissance, shaping a vital new heart for the entertainment and culture capital of the world.

- New home for Los Angeles’ premier sports teams (Lakers, Clippers, Sparks and Kings)
- Themed events, restaurants, and programming that uphold Los Angeles’ reputation as “the entertainment capital” and bring commerce, tourism and economic life to the city
- Improvements to the Convention Center, including a headquarters hotel and new meeting facilities
- Over 3,000 new housing units, a supermarket and other amenities in South Park, create a completely new residential neighborhood in the heart of the city
- Transit and infrastructure improve mobility with light rail, bus, shuttle and bike networks
- New open spaces and streetscape improvements provide pedestrian amenities, create linkages throughout downtown and make the area more livable

“ONE OF THE MOST MEANINGFUL ECONOMIC DEVELOPMENT PROJECTS IN THE LAST 20 YEARS”

The Los Angeles Business Council
L.A. LIVE

$12 billion investment in downtown

Increased hotel occupancy to 83.9% – the highest in 25 years

Increased downtown population by 25% in 10 years

L.A. LIVE’s two, mixed-use anchor buildings are made up of retail, restaurant, office, museum and entertainment space, as well as a 720-seat theatre, a 1,000-room condominium hotel, and the west coast broadcasting headquarters for ESPN sports television. CallisonRTKL provided architectural and environmental design.
Market Lofts at 9th and Flower

The area’s first downtown supermarket in 60 years takes South Park from a residential development to a true neighborhood and a desirable place to live.

The master plan by CallisonRTKL involved entitlement for multiple sites on three blocks covering nearly six acres. New construction includes 116,700-SF for commercial use, 250 residential units and structured parking. The linchpin was the addition of a 50,000-GSF Ralph’s Supermarket, which has become the highest grossing store in the grocery chain’s entire portfolio.
717 Figueroa triggered the first wave of housing after adopting the new master plan.

717 Figueroa is an upscale residential rental property adjacent to L.A. Live. Its prime location attracted the first wave of rental tenants to the area. The building includes a seventh-floor amenity deck and a sky deck on the 26th floor with panoramic views of downtown. As a testament to its highly desirable living environment, 717 Figueroa has remained at nearly full occupancy since opening.

Oceanwide Plaza changes the face of downtown from an in-and-out destination to a place to dwell.

Oceanwide Plaza is the hospitality and residential component of a highly activated, walkable mixed-use environment. The project is the home of a five-star hotel and branded residences, including a 700-foot LED ribbon sign. This multi-faceted landmark will be known and recognized worldwide as a destination of choice for guests, residents and shoppers.
Downey Landing

This former NASA Industrial Plant manufactured the rockets and landing capsules that put American astronauts on the moon. Today, a state-of-the-art $300 million medical facility complex, movie studio, and bustling retail center occupy this former home of aviation ingenuity.

After 60 years of aerospace manufacturing at the NASA/Downey site, groundwater and soil were heavily impacted by volatile organic compounds. To help the City of Downey rehabilitate this site, Arcadis designed and implemented a soil vapor extraction system that addressed site-wide contamination and provided cleanup assurances. This enabled early property transfer through guaranteed fixed-price remediation of the 155-acre facility.

An impaired property restored for community use
Los Angeles Unified School District

As the second largest school district in the nation, the Los Angeles Unified School District has embarked on an initiative to reduce overcrowding and improve existing campuses.

Since 1998, the Los Angeles Unified School District has relied on Arcadis to help improve school facilities and address overcrowding. As the largest school construction and existing school modernization project in the U.S. to date, Arcadis staff worked side by side with the District to manage over $3 billion in new construction, renovation, modernization and technology upgrades.
Long Beach Unified School District

Extensive maintenance and renovation projects are transforming the District’s schools while enhancing the teacher/student experience through improved indoor air quality, lighting and energy efficiency.

Arcadis is providing the Long Beach Unified School District with project management staff augmentation, owner representation and administrative support for 75 of the District’s 93 schools. Improved educational facilities were delivered on time and under budget, saving the District time and money, and without major disruption to student life.

Los Angeles Harbor College

New construction, modernization, upgrades and alternative energy are revitalizing and transforming this campus into a green, state-of-the-art institution.

The Los Angeles Community College District’s bond funded a capital improvement program for Harbor College. The program includes construction of 11 new buildings, modernization of six existing buildings, landscape and utilities upgrades, and an alternative energy program that includes photovoltaic systems, integrated wind generators and electric powered vehicle recharging stations. Project and construction management services have been provided by Arcadis since 2002.
FOSTERING RESILIENCY

A sustainable solution to water source challenges

Carlsbad Desalination Plant

The largest seawater desalination facility in the western hemisphere

A major milestone for seawater desalination in North America

Provides 54 million gallons of drinking water each day from the Pacific Ocean
When commercial operations begin in 2016, this facility will provide businesses and residents of the San Diego area with a consistent, drought-proof supply of high-quality water.

Increased demand for water and other natural resources to support population growth is a significant concern worldwide. The facility, owned by Poseidon Resources, will provide water to the San Diego County Water Authority, meeting 10% of regional water demand. Arcadis is the Engineer of Record for all site civil, mechanical and electrical disciplines for this flagship desalination project.
Penmar Park

Construction of several structures to protect the environment

Part of the $500 million Proposition O clean water program

Preventing three million gallons of untreated stormwater from each storm event from flowing into Santa Monica Bay.

In order to improve the quality of stormwater runoff, dry-weather urban runoff and wet-weather stormwater is directed to the Hyperion Treatment Plant for pollutant removal. Arcadis provided project and construction management services to redirect the water before flowing into coastal waters off Venice Beach.

CLEANER WATER FOR LOS ANGELES
Echo Park

The rehabilitation of Echo Park Lake sustainably improved a 769-acre watershed in the heart of Los Angeles to restore sparkle to the community jewel.

During the course of a single dry season, Arcadis provided program and construction management services to rehabilitate Echo Park Lake, which improves water quality in both the lake and the Los Angeles river watershed while maintaining flood control. Through a deliberate and collaborative design process, the Echo Park Lake rehabilitation project resulted in not only an overhaul of the lake, but also the cultural and recreational rebirth of the park.
South Los Angeles Wetlands Park

Minimizes the introduction of pollutants and reduces bacteria levels

Part of the $500 million Proposition O watershed protection projects to reduce pollution and conserve water

Received Construction Management Association of America Project Achievement Award and Envision Platinum Award

The creation of Wetlands Park transformed a former rail yard into a green haven and community resource.

The wetlands habitat and community facilities effectively reduce pollutant runoff to neighboring bodies of water. The park setting includes historical railway elements and a multi-use recreation and education center whose revenues will help maintain park operations for years to come. Hazardous materials abatement, design support and construction management services provided by Arcadis helped create the nine-acre open space park.
Los Angeles World Airports

| Improved taxiways to accommodate new large aircraft | Relieved aircraft traffic congestion and reduced delays | Added 40,000 jobs to the Los Angeles economy | Enhanced baggage handling and screening to support secure and efficient travel |
A series of capital improvement projects reflect the Los Angeles World Airports’ commitment to safety, security and service.

A $5 billion improvement program at LAX, Van Nuys and Ontario Airports enhanced the world traveler’s experience. As a key member of the construction management team, Arcadis helped deliver several airfield projects, provided preconstruction services for the security in-line baggage screening system at LAX, and developed a phasing plan for the renovations at Tom Bradley International Terminal.

The Tom Bradley International Terminal Duty-Free shopping area, designed by CallisonRTKL, is bright and airy to reflect the design of the new terminal and showcase collections of the world’s top designer brands.
The upgrade of Long Beach Airport delivers a superior customer experience while retaining the signature historic nature of the original terminal building.

Construction of this complex, award-winning project took place within the operational footprint of an active airport, so ensuring safety and security was of paramount importance. As construction manager during the final phase, Arcadis turned these and other challenges into opportunities by instituting a single-phase approach. This enabled subcontractors to work on multiple locations simultaneously, ensuring a smoother work flow and earlier completion.

Enhancing the Traveler
John Wayne Airport

The John Wayne Airport Improvement Program project resulted in nearly $1.2 billion of economic benefit for the local community and created approximately 6,700 much-needed jobs while improving the quality of the travel experience.

Realizing a savings of $88 million for the project, Arcadis provided program phasing and tenant coordination, and developed site logistics plans for the three concurrent construction projects that comprised the $543 million Airport Improvement Program.

Funded entirely without the use of tax dollars

Named project of the year, Construction Management Association, Southern California

Increased capacity to 10.8 million air passengers

Reduced the average number of passengers per gate per year by 230,000

Experience
The Port of Long Beach Middle Harbor Redevelopment Program will significantly increase cargo capacity, reduce air pollution by half, and increase berth depth and capacity.

The 10-year Middle Harbor Terminal Redevelopment Program transforms three piers into one of the most advanced shipping intake venues in the world. Construction management and environmental mitigation services, provided by Arcadis for the modernization of two aging shipping terminals, reduces pollution, cleaning the air for those in and around the port.

Eliminates as many as 1,000 shipping trucks from roadways

Reduces pollution levels by as much as 50%
Port of Los Angeles

Upon completion of this work, the environmentally friendly Port of Los Angeles will have expanded its capacity for handling shipping container traffic and will operate one of the first automated shipping terminals on the West Coast.

The modernization of a major shipping terminal with electrical and structural upgrades significantly improves efficiency of moving cargo units from ship to rail and ultimately to consumers throughout the U.S. State-of-the-art upgrades to stormwater management systems will contribute to improved water quality in the San Pedro Bay.

- 7,500 acres covering 42 miles of waterfront
- 24 cargo terminals
- 160 million metric tons of cargo shipped annually
California High-Speed Rail System

Will improve mobility, accelerate economic development and promote a cleaner environment.

800-mile-long system with as many as 24 stations.

By 2029, rail passengers will comfortably and sustainably travel between San Francisco and the Los Angeles basin in less than three hours, at speeds exceeding 200 miles per hour.

As an increasing number of people move around California’s mega-regions, and their modes of transport are limited. The longest segment of the $68 billion high-speed rail system, receiving design and construction oversight by Arcadis, will be the first high-speed rail system in the country.

CONNECTING CALIFORNIA’S MEGA-REGIONS
Metro Regional Connector

Serves 90,000 passengers daily

Reduces one-way travel time across the county up to 20 minutes

Eleven intersections will see improved performance and less congestion

Three new stations provide access to downtown attractions, as well as regional destinations

The Regional Connector will improve efficiency and increase ridership, reduce congestion, improve air quality and lessen the carbon footprint of Los Angeles.

The Los Angeles County Metropolitan Transportation Authority operates the third-largest public transportation system in the United States by ridership. Engineering and construction management support services for the $1.3 billion Regional Connector project is provided by Arcadis.
Los Angeles Aqueduct Filtration Plant
Dr. Pankaj Parekh Ultraviolet Disinfection Facility

UV disinfection cost-effectively reduces chlorine byproducts while improving overall disinfection.

The Dr. Pankaj Parekh Ultraviolet Disinfection (UV) Facility and the Los Angeles Aqueduct Filtration Plant design is focused on cost-effective regulatory compliance with the most appropriate technologies while meeting the aggressive four-year schedule. Los Angeles Department of Water and Power and Arcadis collaborated to complete the project; facility regulatory compliance, design, and commissioning was led by Arcadis.

NEW TECHNOLOGIES FOR ENHANCING WATER QUALITY

- Largest UV drinking water facility in the west
- Multi-barrier disinfection approach cost-effectively exceeds U.S. EPA requirements
- Facility was designed and built faster than any large-scale UV facility in the U.S.
Arcadis is the leading **global natural and built asset design and consultancy firm** working in partnership with our clients to deliver exceptional and sustainable outcomes through the application of design, consultancy, engineering, project and management services. Arcadis differentiates through its talented and passionate people and its unique combination of capabilities covering the whole asset life cycle, its deep market sector insights, and its ability to integrate health and safety and sustainability into the design and delivery of solutions across the globe. We are 28,000 people who generate $3.5 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

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