

Summary of Qualifications

CM SOLUTIONS

Solutions for Project Success

www.thecmsolution.com

Water



Energy



Facilities



Transportation



Oil & Gas





Facilities

Facilities

CM Solutions works with project teams around the world, supporting new construction and renovations for a variety of public and commercial facilities, including data centers, health care facilities, correctional facilities, and educational institutions.



FACILITIES PROJECTS

CM Solutions is the partner you can trust to add depth of expertise in project controls. Since 2001, we have been helping contractors, owners, and agencies in the private and public sectors save time and money with proven project controls for construction management. Tightly managed schedules and budgets are the keys to success when multi-million-dollar projects are on the line.

Our Qualifications

- Experience** With over 20 years experience supporting complex projects for clients such as Huntington Hospital, Los Angeles Unified School District, California Dept of Corrections & Rehabilitation and Vantage Data Centers, we are familiar with the unique challenges and nuances of facilities projects.
- Expertise** Experts with variety of backgrounds and certifications, including PE, PMP, PSP, PMI-SP and Six Sigma.
- Diversity** Federal, state and local certifications for SBE, DBE, WBE, WOSB, LBE and LBE.
- Presence** Headquarters in California, with locations in Washington, Arizona, Colorado, and Texas

Our Services

Program & Project Services	Planning and Scheduling	Cost Controls	Risk Management & Claims Avoidance	Executive Reporting & Dashboards
<ul style="list-style-type: none"> • Construction Management • Scope Management • Environmental Reviews, Permitting • Contract Compliance 	<ul style="list-style-type: none"> • CPM Scheduling • Project Planning • Time Impact Analysis • 4D & 5D Scheduling & Modeling 	<ul style="list-style-type: none"> • Program and Project Budgets • Cost Forecasting • Earned Value Management • Estimating 	<ul style="list-style-type: none"> • Claims Preparation • Management of Change • Schedule Risk Analysis • Time Impact Analysis 	<ul style="list-style-type: none"> • Dashboards for Complex Projects • Integrating Systems and Data • Power BI • Training for Project Teams

Integrated Capabilities Across Sectors



Transportation



Water & Wastewater



Energy



Facilities



Oil & Gas

\$13.5B

Project Value

40+

Facilities

FACILITIES

Critical Institutions Serving Our Communities.



Hospitals



Healthcare Facilities



Schools



Data Centers

Hospital Seismic Upgrades and Capital Improvements

Owner: Huntington Hospital
Location: Pasadena, CA
Project Value: \$300 million

Huntington Hospital needed seismic upgrades to comply with OSHPD regulations and state law. The capital improvements also supported the hospital's goal to provide quality medical care to the growing population. CM Solutions managed the Facility Master Plan, an integrated schedule for this program, and coordinated closely with project teams to maximize hospital bed capacity throughout the program's aggressive timeline.

Pleasant Valley State Prison - Renovation of Multiple Facilities

Owner: California Dept. of Corrections and Rehabilitation
Location: Coalinga, CA
Project Value: \$15.4 million

This project included constructing a new primary care facility and pharmacy/lab and renovating 4 onsite clinics. Project timetables and construction phasing in a highly secure area were critical. CM Solutions worked with the general contractor from the beginning of each project through closeout. CMS participated in the CDC's process for negotiating time extensions and performed time impact analyses to obtain an equitable extension for the contractor.

Tehachapi State Prison - Health Care Facility Improvements

Owner: California Dept. of Corrections and Rehabilitation
Location: Tehachapi, CA
Project Value: \$13.8 million

This project included constructing a new primary care facility and pharmacy/lab and renovating 4 onsite clinics. Project timetables and construction phasing in a highly secure area were critical. CM Solutions worked with the general contractor from the beginning of each project through closeout. CMS successfully managed delays and converted them into project time extensions with time impact analyses. Delays were successfully managed and converted into project time extensions due to time impact analyses performed by the CMS team.

Los Angeles Unified School District Modernization

Owner: Los Angeles Unified School District (LAUSD)
Location: Los Angeles, CA
Project Value: \$1 billion

This is a 5-year comprehensive modernization program for the nation's second largest school district, and includes classrooms, offices, gymnasiums, grounds, and plant systems at elementary, middle, and high schools. CM Solutions provides baseline schedules, monthly updates, narrative reporting, longest path and delay impact analysis, schedule slippage and changes tracking, manpower analysis, and earned value analysis. Also provides interface between field and management staff.

Hyperscale Data Centers

Owner: Vantage Data Centers
Location: Worldwide
Project Value: \$2 billion

Vantage Data Centers is expanding their data centers operating worldwide. The new hyperscale data center campuses are leased to IT companies. CM Solutions provides the master schedule and project scheduling for new building projects and tenant fit-outs. Working for the owner, contractor and tenants allows the schedule to be a trusted source for successful construction.

Facilities Project Index

Project Name	Project Type	Project Description	Owner/Agency	Project Value	Project Dates
Seismic Upgrades and Capital Improvements	Healthcare	<p>A critical Level II trauma facility serving the San Gabriel Valley near Los Angeles, Huntington Hospital needed seismic upgrades to bring acute care facilities into compliance with OSHPD regulations and state law. The capital improvements also support the hospital's growth to continue providing quality medical care to the ever-growing population.</p> <p>CM Solutions managed the Facility Master Plan, an integrated schedule for this program, and coordinated closely with several project teams to ensure hospital bed capacity was maximized throughout the program's aggressive completion timeframe.</p>	Huntington Hospital, Pasadena, CA	\$300M	2017- present
Chip Manufacturing Fabrication Plant	IT Infrastructure	<p>A world leading microprocessor manufacturer is building a new facility to produce microprocessors and semi-conductors. This multi-year mega project involves planning and building an entirely new manufacturing complex, including infrastructure, water/wastewater, utilities, multiple buildings and the production plant.</p> <p>CM Solutions is providing planning and scheduling, including a multi-level master schedule for each building and a single master schedule. CMS is programming and integrating project management data from multiple sources into dashboards that provide advanced reporting with summary and detailed insight for managers' decision making. CMS is also developing project controls processes according to best practices.</p>	Confidential	\$4B	2021- present
Airport Police Facility	Airport, Facility	<p>This 160,000 sq. ft. facility consolidates operations from eight locations under one roof and includes a shooting range, dog kennels and suspect processing area. The facility was built with sustainable features and was designed to attain LEED Silver certification.</p> <p>CM Solutions staff provided scheduling review services for the project, including time impact analyses and risk mitigation.</p>	Los Angeles World Airports (LAWA)	\$178M	2020-2022
Project and Construction Management for Public Works Facilities Program	Civil/Public Works Facilities	<p>The LA County Dept. of Public Works oversees a multi-billion-dollar program to modernize existing facilities and construct new buildings for the largest county in the nation.</p> <p>CM Solutions is managing the planning, programming, design & construction of projects through all phases of construction. Responsibilities include program leadership, project management, land surveying, constructability reviews, safety, inspections, traffic control, project controls, and diversity program outreach.</p>	Los Angeles County Department of Public Works	\$3.6B	2022-present
Microprocessor Plant	IT Infrastructure	<p>This new microprocessor and semiconductor production complex includes construction of the infrastructure with utilities and water/wastewater, multiple buildings and the production plant.</p> <p>CMS is providing planning and scheduling with a multi-level master schedule combining all subcontractor schedules for each building. CMS is also providing advanced reporting by programming and integrating project management data from multiple sources into useful dashboards.</p>	Confidential	\$4B	2021-present
South Gate Educational Center Demolition & Abatement	School	<p>The South Gate Educational Center project was to build a new college campus on the site of a former tire factory. Old buildings were all demolished and the site prepared for new construction.</p> <p>CM Solutions worked with the demolition contractor to provide weekly and monthly updates to the resource-loaded schedule, adjusting for change orders to closeout.</p>	Los Angeles Community College District	\$65M	2019-2020
Hyperscale Data Centers	IT Infrastructure	<p>To meet increasing demand, Vantage Data Centers is expanding the number of their data centers operating worldwide. These new state-of-the-art hyperscale data center campuses in multiple locations around the world are then leased to IT companies that provide the data infrastructure essential to our modern world.</p> <p>CM Solutions provides the master schedule and project scheduling for new building projects and tenant fit-outs. Working for the owner, contractor and tenants allows the schedule to be a trusted source for successful construction.</p>	Vantage Data Centers	\$2B+	2018-present

Facilities Project Index

Project Name	Project Type	Project Description	Owner/Agency	Project Value	Project Dates
Pleasant Valley State Prison - Renovation of Multiple Facilities	Prison/ Healthcare	<p>The Pleasant Valley prison project involved construction of a new primary care facility and pharmacy/lab and renovation of 4 onsite primary care clinics. Project timetables and construction phasing in a highly secure area were critical aspects of this project.</p> <p>The CM Solutions scheduler worked with the general contractor from the beginning of each project through closeout. CMS also participated in CDC's process for negotiating time extensions and performed thorough time impact analyses to help obtain an equitable extension for the contractor.</p>	California Dept of Corrections & Rehabilitation (CDCR)	\$15.4M	2016-2020
Albert Robles Center for Water Recycling & Environmental Learning (formerly GRIP)	Learning Center	<p>This project involved the construction of an advanced water treatment facility, as well as a visitor and educational center, and a pipeline running parallel to the San Gabriel River Parkway.</p> <p>CM Solutions was engaged by both the CM firm and contractor to provide collaborative scheduling, reporting, and construction management. A single master scheduler created greater efficiency and transparency while avoiding claims by resolving problems at the jobsite level.</p>	Water Replenishment District of California	\$110M	2016-2020
Tehachapi State Prison - Health Care Facility Improvements	Healthcare/ Prison	<p>The Tehachapi prison project involved construction of a new primary care facility and pharmacy/lab and renovation of 4 onsite primary care clinics, along with site improvements. Project timetables and construction phasing in a highly secure area were critical aspects of this project.</p> <p>The CM Solutions scheduler worked with the general contractor from the beginning of each project through closeout. Project delays were successfully managed and converted into project time extensions due to thorough time impact analysis performed by the CMS team.</p>	California Dept of Corrections & Rehabilitation (CDCR)	\$13.8M	2015-present
300MM Wafer Semiconductor Plant	IT Infrastructure	<p>Texas Instruments is building new 300-millimeter semiconductor wafer fabrication plants in Sherman, Texas. The potential \$30 billion investment includes plans for four fabrication plants which will manufacture millions of analog and embedded processing chips daily that will go into electronics everywhere</p> <p>CMS is providing the integrated master schedule, as well as coordinating with the subcontractors and project team to provide weekly and monthly updates and project reports. CMS also assisted in the contractor's successful multimillion dollar delay claim and litigation.</p>	Texas Instruments	\$1.2B	2023-present
Mega Data Center Retrofit	IT Infrastructure	<p>This large data center project for a confidential multinational tech client is a multi-phased, fast-paced, complete modernization of an existing data center.</p> <p>CMS is providing the integrated master schedule, as well as coordinating with the subcontractors and project team to provide weekly and monthly updates and project reports. CMS also assisted in the contractor's successful multimillion dollar delay claim and litigation.</p>	Cupertino Electric, Inc.	\$330M	2021-present
Gas Operations Control Center	Natural Gas Facility	<p>The new 60,000 sf Gas Operations Control Center is a resilient critical facility for monitoring the gas infrastructure assets across Southern California. It will have a large control room with server/storage, operations training and simulation facilities, and office space.</p> <p>CMS is providing scheduling services from the planning stages, including development of scheduling specifications, and a collaborative baseline schedule.</p>	Sempra Energy/So Cal Gas	Multi-Million	2021-present
City Hall Renovation and Modernization Project	Civil/Public Works Facility	<p>CMS is supporting improvements including sheer wall repair, plumbing, and restroom remediation to bring them into code compliance. Other improvements include electrical and wiring remediation as well as the fire alarm and sprinkler compliance.</p> <p>CMS is providing baseline schedules, monthly updates and general scheduling support.</p>	City of Lancaster	\$8M	2021-present

Facilities Project Index

Project Name	Project Type	Project Description	Owner/Agency	Project Value	Project Dates
Los Angeles Unified School District - Facilities Services Division	School	This is a 5-year comprehensive modernization program for the nation's second largest school district, and includes classrooms, offices, gymnasiums, grounds, and plant systems at elementary, middle, and high schools. Details on individual projects below. CM Solutions worked with the owner to provide status review reports for contractor baseline schedules, monthly progress updates, review and analysis response documents, which included project milestones status reporting, longest path analysis, delay impact analysis, schedule slippage and changes tracking, manpower analysis, earned value analysis and narrative reporting. Also provided interface between field and management staff.	Los Angeles Unified School District (LAUSD)	\$1B+	2021-present
San Pedro High School Modernization	School	Project consists of installation of utilities, including electrical, HVAC, water, fire protection and related concrete work, for interim modular buildings as part of a larger comprehensive modernization of the school buildings and campus.	Los Angeles Unified School District (LAUSD)	\$171M	2021-present
Venice High School Modernization (LAUSD)	School	CMS is supporting the construction of four new modular buildings for classrooms, chemistry labs, a graphics print shop, flexible engineering and maker space labs, art and studio art classrooms. The project also includes parking lots and outdoor athletic spaces for track and field, softball and baseball fields, concessions, restrooms and modern tennis and basketball hard court areas. Also includes landscape and hardscape, including various outdoor classroom areas and utility infrastructure upgrades and replacements.	Los Angeles Unified School District (LAUSD)	\$125M	2021 - Present
Burroughs Middle School Comprehensive Modernization	School	CMS is supporting modernization for and renovation of historic buildings as well as new construction. Existing structures totaling approximately 100,000 sf were upgraded to current LAUSD design standards and seismically retrofit. Design of 3 new buildings for food services, classrooms, maintenance, and operations. The new campus will have a cohesive landscape complete with outdoor classrooms and modern technology all while keeping the historic character of the campus intact.	Los Angeles Unified School District (LAUSD)	\$23M	2021 - Present
Theodore Roosevelt High School Comprehensive Modernization	School	CMS supported the comprehensive modernization of classroom and administrative buildings, a gym, lunch shelter, and an auditorium. Other improvements include campus-wide infrastructure, including domestic water, fire, irrigation, gas, sewer, low voltage (fire, telephone, data), electrical and storm drainage, ADA compliance, landscape, hardscape including the removal of 7,000 cy of soil with elevated concentrations of arsenic and/or lead from the campus.	Los Angeles Unified School District (LAUSD)	\$190M	2021 - Present
Huntington High School Comprehensive Modernization	School	CMS supported the modernization to address critical facility issues, maximize student safety and ensure the entire campus provided a healthy environment conducive to learning. The historical significance of buildings on campus required carefully maintaining the integrity of the 1920's architecture. This project included the renovation of two shop buildings, the science building and the administration buildings, as well as a modernization of the interim classroom on Miles Avenue.	Los Angeles Unified School District (LAUSD)	\$150M	2021 - Present
Elizabeth Learning Center Comprehensive Modernization	School	CMS supported the demolition of three permanent buildings and construction of classrooms and support facilities. Also included site upgrades to infrastructure and utilities, landscape and hardscaping, and improvements to meet the access requirements of the Americans with Disabilities Act. Portable buildings were installed for interim student housing to provide the necessary facilities to maintain a fully functional campus during all construction phases.	Los Angeles Unified School District (LAUSD)	\$110M	2021 - Present
McKinley Elementary School Comprehensive Modernization	School	CMs supported the demolition of four permanent buildings, removing temporary buildings, constructing new permanent buildings as well as upgrading and replacing aging infrastructure, constructing new outdoor physical education spaces, and providing new landscaping and hardscaping. Project was built to LEED standards and in compliance to meet the programmatic access requirements of the Americans with Disabilities Act.	Los Angeles Unified School District (LAUSD)	\$72M	2021 - Present
La Mirada High School	School	CMS worked with the contractor to develop and maintain the project schedule. CMS performed time impact analysis for the basis of time extensions.	Los Angeles Unified School District (LAUSD)	\$15M	2002