

AdvanTEC TALK



CVAG Awarded APWA Project of Merit for Creative and Innovative Solutions to Transportation

ADVANTEC was proud to stand by CVAG's side as prime consultant in the acceptance of the Project of Merit Award for 2023 for the "CV Sync" Traffic Signal Synchronization Smart Region Project, Phase I. This advanced technology project is transforming Coachella Valley into a smart region, which is improving transportation to improve the quality of life, safety and sustainability for residents and visitors of the Coachella Valley.



Phase I includes a complex network of nine (9) Traffic Operation Centers, one Regional Traffic Management Center, connected and automated vehicles, Big Data, Integrated Corridor Management, Cyber Security, and Smart Cities initiatives. It provides inter-agency traffic signal synchronization spanning three regional roadways: Highway 111, Ramon Road and Washington Street. This project, also key in sustainability, is an excellent example of a state of the art smart region project due to its social impact of reduced congestion, reduced travel time, improved air quality, managed emergencies, managed events, increased quality of life and better, controlled transportation management.

The "CV Sync" project was also recently selected as the APWA Southern California BEST Project of the Year Award in the regional traffic, mobility and beautification category, which will be awarded on December 14, 2023. It will now go on to the State level of the APWA Awards!

CEO BLOG

Carlos A. Ortiz, PE, TE, PTOE, CEO



Since graduating from college, I have seen our transportation industry transforming in many ways and going in different directions. My career continues to change from a Civil Engineer to a Traffic Engineer, and the last 10 years to a Smart Mobility/Intelligent Transportation Systems/Smart Cities/Connected and Automated (CAV) Project Manager and now CEO. It has been amazing going through these different transitions in my career and it will continue to change to meet the needs of our clients and our transportation industry.

In August, I presented at the Joint ITE International and Western District Conference. Our panel was composed of experts from QFree, Yunex, and Amazon Web Services providing current and upcoming secured transportation technologies and solutions, including Cyber Security and Cloud Services for our transportation systems. My colleague from Washington County, Oregon and myself provided real case studies as we are applying these solutions to our projects and programs.



Now, I'm getting more involved with Cloud Transportation Services, Artificial Intelligence (AI), Next Generation of Communication Networks, Broadband Communications, and Cyber Security, and we are expanding our knowledge in Smart Cities/Regions and CAV. In September, we participated 2 1/2 days conducting meetings discussing and planning to integrate these solutions to support CVAG's CV Sync Program and support the vision of this program. We had over 24 colleagues with broad expertise attending these meetings and provided input to integrate the latest applications and solutions to the CV Sync Program. As we plan, design, and implement Smart Mobility Solutions, it is necessary to learn, understand, apply, and integrate secured communication networks that can be the foundation to implement CAV and Smart Cities/Region applications and programs. We need to emphasize Open Architecture, Cyber Security, Cloud Services, etc. including budgets to operate, maintain, manage, and upgrade transportation technologies and programs.



I believe that very soon we will need to learn automotive engineering, 5G and 6G Communications, Satellite Communications, and many new technologies and applications. This is very exciting!



Second Quarter ADVANTEC Employee Recognition Awards Congratulations to Jackie Hernandez!

Nominated by members of the Executive Committee, Jackie Hernandez continually stands out from the rest of the staff with her level of work and willingness to take on new things. Jackie consistently supports the ADVANTEC team serving our clients. She comes to the office without absences or lateness even with a long commute. Jackie sets up conferences and coordinates all aspects of ADVANTEC's participation, registers team members and organizes sponsorships and materials needed. Jackie also takes on additional responsibilities. She is a team player, works long hours and works very hard. Jackie consistently stays longer than everyone in the Irvine office in the afternoons/evenings and assists with proposals. She has added event planning and recruiting to her administrative responsibilities. Thank you for your hard work, dedication and caring attitude Jackie!

New Projects!

ADVANTEC has a number exciting of new projects with agencies across Southern California! Check some of our new work:

1. City of Monterey Park - Adaptive Traffic / Traffic Responsive Control System Project
2. City of Corona - Citywide Traffic Signal Optimization Project
3. City of Mission Viejo - Crosswalk Feasibility Assessment and Pedestrian Crosswalk Design for Olympiad Road at Lake Entrance Project
4. City of Palm Desert - Traffic Signal at the Intersection of Cook Street and Market Place Drive Project
5. City of Palm Springs – Indian Canyon Bridge Widening Construction Management Support to Harris Associates

ADVANTEC is currently in the process of working with the City of Escondido to complete their ITS Master Plan. This Master Plan will place the City of Escondido in a leadership role of smart technologies, sustainability and intelligent transportation in San Diego County.



ADVANTEC is Pleased to Announce the Addition of New Team Members to our Company!



WELCOME

SUDARSHAN CHALAN, P.E., M.S.
SENIOR PROJECT MANAGER

Mr. Sudarshan Chalan is a registered Civil Engineer with over 20 years in the Department of Transportation, California in multiple Districts and Headquarters delivering an array of diversified Transportation Projects worth \$8 Billion. Specific Managerial experience includes Statewide SC Implementation Program, Statewide Transportation Permit Program & Lane Use Signage, Safety Benefit Program, President & Governor Stimulus packages for CMA/CMO funding, Statewide development & implementation of Quality/Continuous Improvement Program, Managed Lane Feasibility Study Report for I-805 HOV 4 HOV and District Strategic Operational Plan.

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WELCOME

HENRY TRINH
ELECTRICAL ENGINEER, SR. PROJECT MANAGER

Mr. Henry Trinh is a senior electrical engineer with over 11 years of systems engineer and over 21 years of years on a variety of local agencies' projects throughout Southern California and California Districts. Henry specializes in the areas of design build implementation, Electronic Toll and Traffic Management (ETTM) infrastructure, Intelligent Transportation Systems (ITS), ramp metering systems, traffic signal systems, and highway lighting. Henry has designed over 300 traffic signals, light rail signals, and communication system for the City of Los Angeles Department of Transportation.

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WELCOME

GLENN MURPHY, P.E.
SENIOR PROJECT MANAGER

Mr. Glenn Murphy is a registered Electrical Engineer and has more than 17 years of experience in the design, development, and implementation of intelligent Transportation Systems (ITS) including Traffic Systems, Dynamic Message Signs (DMS), Central Control Electronic (CTE) systems, Emergency Call Management (ECM), Lane ending systems, SRP, Signal, and control center facilities, and advanced communication systems. He brings with him extensive knowledge in design of communication systems architecture and the development of plans, specifications, and contract documents (PS&C) for these systems and works on contract administration. He also has experience in the design and integration of IP based video and data networks. Glenn has served as project manager for many systems including installation and as a JCTD for the Golden Gate Bridge build to owned design build projects.

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Alphonse Oh
Assistant Engineer Grade II



Sean Ho
Assistant Engineer/Intern
Grade I



Yasmeen Halabi
Assistant Engineer Grade II



Ashley Diaz
Assistant Engineer/Intern
Grade I



Daniel Underwood
Assistant Engineer Grade II



Rachel Tam
Associate Engineer Grade IV



James Tai
Project/Design Engineer
Grade V-3



Dylan Sison
Assistant Engineer Grade II



Huy Trinh
Project/Design Engineer
Grade V-3



Amal Adhikary Senior Project Manager



The ADVANTEC Team Works Hard and Enjoys Great Teambuilding Events Together!



Our summer events were enjoyed by all! The ADVANTEC Team was hosted by the company during three amazing summer events this year. The team enjoyed a bowling event at Dave & Busters, a Microbrew Crawl and an Angels Game together this summer. Being a part of a company that really cares and shows it by providing opportunities for enjoyable events like these sets ADVANTEC apart from many of the companies in our profession.



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- » ITS, Electrical and Traffic Engineering Mid-Level Project Engineers
- » Graduating Transportation Engineers
- » Interns

WHAT WE OFFER

Our compensation package involves very competitive salaries, bonus distribution twice a year, medical & dental insurance, 401k plan, and rewarding programs tailored for the bright and ambitious professionals!

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ADVANTEC is looking for talent like yours!

ADVANTEC Consulting Engineers is a rapidly growing professional engineering firm specializing in advanced multi-modal transportation technology in planning, design, and operations. We provide our clients a variety of professional services, including, Highway Engineering, Public Works, Intelligent Transportation Systems (ITS), Traffic Engineering, and Transportation Planning. ADVANTEC's multi-disciplined team of talented and innovative professionals includes civil, electrical, and traffic engineers and planners. If you are interested in a new chapter in your career with our growing firm, please apply!

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Recent ADVANTEC Conference Participation and Leadership

On August 14-16, ADVANTEC participated in the **Joint ITE International and Western District Annual Meeting and Exhibition**. This valuable event for our company

included Industrial Enet promoting ADVANTEC and the CV Sync Program and discussion and photos with Shailen Bhatt, Federal Highway Administrator. Carlos Ortiz, CEO, presented on Creating a Digitized and Connected Infrastructure for your Agency. He presented along with representatives from Amazon Web Services, QFree, Yunex, and Washington County, Oregon. I presented on the Coachella Valley CV Sync Program.

The Mobility 21 Summit was presented on Friday, September 29, 2023 with ADVANTEC as a Gold Sponsor. Check out our logo on the coffee mugs handed out at the conference! Always an amazing conference with key leaders and contacts.



Calendar of Transportation Events

Watch for ADVANTEC and our Clients at the Following Transportation Events and Conferences:

- *January 23-26, 2024 APTA Annual Meeting and Exhibition, Rio Grande, Puerto Rico
- *February 28, 2024, ACEC California Annual Conference and Engineering Excellence Awards, Hyatt Orange County, Garden Grove
- *April 23-26, 2024, AASHTO Spring Meeting, Madison, WI
- *June 23-26, 2024, ITE Western District Annual Meeting and Exhibition, Sacramento, CA
- *July 7-10, 2024, WASHTO Annual Meeting, Omaha Hilton, Nebraska
- *July 21-14, 2024, ITE International Annual Meeting and Exhibition, Philadelphia, PA
- *August 24-28, 2024, ITS CA 2024 Annual Meeting and Exhibition, San Francisco, CA
- *September 8-11, 2024, APWA PWX Annual Meeting and Exhibition, Atlanta, GA
- *November 17 – 19, 2024: Focus on the Future Conference, Self Help Counties, Location TBD
- *Future: November 16 – 18, 2025: Focus on the Future Conference, Self Help Counties, Marriott Marquis, San Francisco

In our upcoming issue--New Projects, Employees and Project of the Quarter and Year, as well as Upcoming Events for 2024



Visit our
website

Reach out to us:
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innovative & cost effective solutions

ADVANTEC's management philosophy is characterized by our motto: "BECAUSE WE CARE!"

Careers &
Opportunities

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