

IAN CHOUDRI

Senior Vice President – National Business Development Director and Strategic Advisor for Transportation Infrastructure

Ian has played critical roles in planning, development and delivery of complex and largest infrastructure projects throughout the world, including high-profile projects such as Khalifa Sea-Port in Abu Dhabi which was constructed on a reclaimed Island built 2 kilometer in the ocean, Doha International Airport in Qatar, Kosovo Motorway, Cairo Metro Line 2 in Egypt, Channel Tunnel Rail Link between France and England and the FTA-funded Washington Metropolitan Area Transit Authority (WMATA) Metrorail Extension to Dulles International Airport. He also brings direct experience working with emerging technologies-based mobility solutions, having led a research and development team in France for delivering the next generation of high-speed trains, driverless trains for light rail and induction streetcar systems. Ian's unique combination of delivering variety of public infrastructure projects and his understanding of the full life cycle of complex programs starting from funding approaches, master planning, environmental impact assessments thru full construction build out using various project delivery methods positions him as a leader in providing strategic advice to all his clients. His experience in delivery methods includes traditional design-bid-build, alternative delivery (progressive, CMGC or turnkey lump sum design build) and public private partnerships (P3)

As a Senior Vice President at HNTB, Ian routinely engages senior experts, innovative thinkers both nationally and worldwide to assist clients with strategic thinking and critical decision making to maximize the value and return-on-investment for public infrastructure projects. In his role as an advisor Ian brings strategic, collaborative and one-team approach to complex, unique and transformational projects that will have significant impact on quality of life of residents in the regions where projects are being considered. With his extensive experience and problem-solving skills, Ian has played key roles as strategic advisor to several transportation agencies in the United States

Ian has lived and worked in 12 different countries.

Representative Project Experience

Subterranean Connection between City of Rancho Cucamonga and Ontario Airport – SBCTA, San Bernadino County, CA

Ian is currently serving as a Program Manager representing and advising SBCTA for an emerging technology based subterranean connection project, providing transportation connection between multimodal facility at Rancho Cucamonga station and Ontario International Airport (OIAA). HNTB is currently contracted by SBCTA to provide program management and construction management support services. The project consists of twin bore tunnels through cities of Ranch C. and Ontario and with 2 stations at OIAA. Total tunnel length is 8.2 miles. The transportation service will be provided using autonomous vehicles that are fully ADA compliant.

Dates work performed: Jan-2021-Present

Cross Bay Transit Partners, LLC, Dumbarton Transportation Corridor P3, Menlo Park, CA – Ian served as Project Executive. San Mateo County Transit District and Cross Bay Transit Partners LLC (a company created by Plenary and Facebook) are working as a public-private partnership to investigate a public transit system that connects the Peninsula and East Bay areas. Ian helped lead technology evaluation

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HNTB Corporation

Education

MBA/2008/Purdue University
BS/1995/Electrical Engineering,
BA/1991/Economics,

Certifications

Six Sigma,
Railway Track Design and Engineering,
University of Wisconsin,
Parsons Project Management
Bechtel Project Management Tier 1
Bechtel Project Management Tier 2
Alstom Project Management
Thales Project Management

Affiliations

American Railroad Engineering and
Maintenance-of-Way Association
(AREMA) - Committee 39 (Positive Train
Control)

Hire Date with HNTB

2016

Years of Experience with other Firms

Entered the profession in 1993

and conceptual design for implementation of a high-capacity transit service using the existing Dumbarton Rail Corridor. Ian helped develop a whitepaper evaluating a wide spectrum of transit mode technologies, including autonomous vehicles, to greatly enhance the regions mobility and reduce emissions.

Ian Choudri helped lead technology evaluation, Infrastructure alternatives, total project cost estimations, and conceptual design for implementation. He worked with the team to develop a white paper evaluating a wide spectrum of transit mode technologies, including autonomous vehicles, to greatly enhance the region's mobility and reduce emissions. With Ian's leadership, HNTB performed this evaluation by taking a project-wide view of how each mode would affect not only accessibility, but also capacity, operations, station configurations and footprint and structural and systems design. The project is in early stages of development and is currently on schedule.

Dates work performed: 2018-Present

Regional Transportation District (RTD), Executive Project Director, Eagle P3 Train Control System, Denver, CO - As the Executive Project Director, Ian maintains very strong working relationship with the Federal Railroad Administration staff in Washington DC. In his role Ian provided technical resources to the P3 project team as well as acted as liaison between the RTD and FRA Safety team to help the rail agency to improve the system performance in compliance with the regulatory requirements

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Dates work performed: December 2016-June 2017

North County Transit District (NCTD), San Diego Positive Train Control (PTC), San Diego, CA – As overall Program leader, Ian is provided technical resources to the project, project budget and schedule, and support the agency to comply with the FRA regulatory requirements related to implementation of Positive Train Control system implementation. The project has successfully completed the installation and testing and commissioning of the Positive Train Control system and recently submitted its application for RSD approval to the FRA

Jun-2015-Present:

LA Metro, Purple Line Extension Phase 1 Design-Build, Los Angeles, CA – As Project Executive/JV board member, Ian was responsible for profit and loss, project performance and financial management of the JV account. This FTA-funded New Starts project includes design and construction of nearly four miles of new transit line and three new underground stations. Project challenges included difficult tunneling site conditions such as tar sands and methane pockets as well as extensive third-party coordination with utilities and local cities.

Dates work performed: Jun-2014-May-2016

Omnitrans/SBCTA, E Street BRT/Green Line Final Design, San Bernardino, Ca – Ian was principal-in-charge for the final design of this 15.7-mile bus rapid transit (BRT) project for Omnitrans. Funded by an FTA Small Starts grant, this first BRT line in San Bernardino County takes passengers from California State University San Bernardino through downtown San Bernardino, ending at the Veterans' Affairs Hospital in Loma Linda. As principal-in-charge, Ian worked with the Omnitrans CEO to solve an unanticipated problem related to passenger experience. Ian was also responsible for proving oversight on coordination with SBCTA and Caltrans District 8 as well as design support during construction.

Dates work performed: August-2013-Sept-2015

Representative Experience Prior to HNTB

PARSONS, Pasadena, CA - As Vice President of Global Business Development, Ian managed global sales and marketing strategy development and implementation for Parsons Transportation Group (PTG). He oversaw revitalized sales and marketing strategies and grew profit sold by more than 8 percent annually in the rail market while diversifying into new markets of rail cyber security, physical security information management (PSIM), and innovative transport solutions for private companies such as Google, SpaceX, and Microsoft. He secured approximately \$100 million in revenue over 24 months on a sole-source basis for work related to several agencies including WSDOT, Caltrain, San Diego, Houston Rail, NCTD, DART and RTC.

As Vice President/Sector Manager of Western North America Operations, Ian directed operations of Western North America, overseeing and managing P&L of over 60 different projects with over 25 senior program/project managers as direct reports and 136 project staff. He assumed a leadership role related to the implementation of turnkey projects, maintaining P&L, hiring strategic resources for key projects, and supporting large program management efforts. His focus was on expanding the design, engineering, and delivery presence of the company in track structures, stations, vertical structures, signaling, high speed rail systems, and Communications Based and Positive Train Control (CBTC and PTC) markets and projects in the central and west coast region of North America. Ian hired and oversaw over 20 senior project directors and delivery managers over a period of 18 months.

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Dates work performed: 2013-2016

LA Metro, Purple Line Extension Phase I Design Build, Los Angeles, CA - As Project Executive/ JV board member, Ian was responsible for profit and loss, project performance and financial management of the JV account. This FTA-funded New Starts project includes design and construction of nearly four miles of new transit line and three new underground stations. Project challenges included difficult tunneling site conditions such as tar sands and methane pockets as well as extensive third-party coordination with utilities and local cities.

Dates work performed: 2013-2015

OmniTrans/SBCTA, E Street BRT/Green Line Final Design, San Bernardino County, CA - Ian was principal-in-charge for the final design of this 15.7-mile bus rapid transit (BRT) project for OmniTrans. Funded by an FTA Small Starts grant, this first BRT line in San Bernardino County takes passengers from California State University San Bernardino through downtown San Bernardino, ending at the Veterans' Affairs Hospital in Loma Linda. As principal-in-charge, Ian worked with the OmniTrans CEO to solve an unanticipated problem related to passenger experience. Ian was also responsible for proving oversight on coordination with SBCTA and Caltrans District 8 as well as design support during construction.

Dates work performed: 2014

Foothill Gold Line Metro Authority, Foothill Gold Line Extension Phase 2A Design-Build, Pasadena to Azusa, CA – Ian represented the organization as a JV Board member, responsible for profit and loss, project performance and financial management of the JV account. He was responsible for staffing the project with appropriate resources and supporting the project manager on critical project issues. This project required coordination with Caltrans, Metrolink and CPUC. This alternative-delivery project was delivered on time and on budget.

Dates work performed: 2013-2015

Peninsula Corridor Joint Powers Board (PCJPB), Caltrain Positive Train Control (PTC) Design-Build, San Francisco Bay Area, CA – Ian served as the Project Executive Director. This FTA-funded project included design, procurement, installation,

testing, and placing into service a PTC system on Caltrain's commuter railroad between San Francisco and San Jose. Ian oversaw all project deliverables, served as the primary interface with the client at the executive and board level, and conducted progress reviews with subcontractors and suppliers. He provided guidance to subcontractors and set long-term and short-term targets; and KPIs to ensure timely completion of the project. He assisted the project execution team in terms of interface management and control with various subcontractors in the field, and ensured trends and changes were effectively tracked, and that contractual deliverables were properly designed and submitted to Caltrain for review and approval or acceptance. Ian also participated in dozens of workshops with UPRR to address their concerns about changes to shared tracks. These workshops focused on targeted technical issues related to operational impacts, cost and maintenance, and organizational implications for UPRR locomotive engineers.

Dates work performed: 2014-2016

California High Speed Rail Authority, California High Speed Rail, Contract Package 1, CA – Ian serves as Project Executive/JV Board Member and was responsible for profit and loss for this design-build lump sum \$1.2 billion project, which included design and construction service estimates. Ian was also responsible for overseeing the assignment of technical resources and subject matter experts to the project team and managed the financial reporting of the project.

Dates work performed: 2013-2015

Bay Area Rapid Transit, BART General Engineering Services, Northern California - Ian represented the organization as a JV Board member and project executive, responsible for profit and loss, project performance and financial management of the JV. He conducted monthly customer satisfaction reviews with BART leadership and collaborated with BART to extend the scope of work through several task orders under the on-call services contract.

Dates work performed: 2015-2016

BECHTEL CORPORATION, Washington DC and Abu Dhabi, United Arab Emirates
Abu Dhabi Port Authority, Port Special Systems, UAE, Senior Project Manager — As project manager, on the Port Authority's behalf, Ian directed and supervised 186 engineers and technicians, including the contractor's resources. He was specifically brought in to turn around a troubled contract package. Ian successfully implemented a full recovery program and enabled the contractor to not only recover from a seven-month delay, but to complete the project three months ahead of the schedule. He provided strong leadership, execution strategies, and design and interface management techniques to the contractor and its subcontractor and suppliers to improve performance and deliver on schedule. Awarded the Best Project Manager award by the Abu Dhabi Ports Authority upon completion of the project.

Dates work performed: 2010-2013

Metro Washington Airport Authority and Washington Metropolitan Area Transit Authority (WMATA), Metrorail Extension to Dulles Airport Phase 1, Washington DC – As Project Engineering Manager, Ian was responsible for the complete design of signaling, centralized control and communication systems for this design-build tunnel project to Dulles International Airport. As part of the management team, Ian was responsible for providing input for weekly updates on the progress of the 16-member team and comparing progress to planned work to develop cost and schedule performance indicators. Ian also led construction readiness reviews and work package management, including developing system requirements, design criteria, and specifications and contract drawings for the automatic train control

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and subsystems. Ian directed a team of over 120 engineers and technicians and completed final design ahead of schedule on this FTA New Starts project. After design completion, he developed construction and start up plans and procedures, setting up the safety certifiable items list in close coordination with WMATA. He was also responsible for hiring key staff for the construction activities.

Dates work performed: 2007-2010

ALSTOM Transport (2002 – 2005) Paris, France and Cairo, Egypt

Commercial Director: Ian was charged with business development strategies and marketing, client relations, and expansion into additional North African markets. He led the win of new contracts valuing \$295 million in three years. He successfully founded and developed a new, diversified business strategy for the subsidiary of the company that led to \$135 million in new business from the Egyptian Ministry of Communication.

Ian led special project initiatives and spearheaded Alstom's long-term railway maintenance strategy. Responsible for profit and loss on multiple projects involving over 100 employees. Administered a capital budget of \$80 million and an operational budget of \$20 million, demonstrating expertise in expense control and balance sheet management.

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THALES (formerly ALCATEL) (1997 – 2002) Rieti, Italy and Cairo, Egypt

Project Manager: Ian oversaw the design-build of the Cairo Metro, Line 2 projects, and served key roles in business development in the Middle East. He managed budget of \$70 million and a team of 170 engineers, technicians, and support staff for design and implementation of the telecommunications system for the Cairo Metro, Line 2. He was awarded, "Top Management Professional" medal from the Egyptian Ministry of Transport for successful project completion on time and within budget.

Ian led the preparation of technical proposals for several Middle East telecommunications projects related to oil and gas, large building complexes, and railways industries which resulted in successfully won new projects over three years, averaging \$230 million.

VINCI CONSTRUCTION and ALCATEL - 1993-1995 France, Italy, Bangladesh, Thailand and Philippines

Project Field Engineer and Design Manager: As a project field engineer, Ian oversaw construction activities on a range of large-scale transport and telecommunications projects. This included the implementation Channel Tunnel Rail Link (CTRL) a rail tunnel connecting UK and France, citywide telecom infrastructures linking several telephone exchanges using fiber backbone in major cities including Dhaka, Manila, Bangkok, and Karachi. On the Karachi Airport new terminal project, Ian oversaw implemented suites of control, security and communication systems including SCADA, CCTV, fire alarm and suppression systems, BMS, Flight Information Display, queuing management system (QMS), baggage handling, and other low voltage and extra low voltage systems in several countries.