

REGIONAL ENGINEERING MANAGER

Engineering Director

Innovative, solution-driven engineering director with over 25 years' experience delivering high-profile ITS/SCADA projects for the Transportation and Water/Waste Water industries. Expertise includes; technical solution architecting and cost estimating, mission critical ITS/SCADA system design and delivery, disaster recovery planning, technical program management, and cross-team leadership.

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â€‹ Execution and results oriented individual with a passion for solving business problems with innovative, cutting edge technology solutions that enable clients to achieve and exceed desired business outcomes.â€‹

Accomplishments

- Technical manager with 90%+ success rate delivering projects on time and under budget.â€‹
- Proposed innovative solution that would allow client to consolidate multiple operations centers and provide for seamless migration without service interruption, which resulted in the company being designated as the "highly preferred supplier".
- Maximized efficiency and ability to scale by industrializing sales and engineering delivery methodology and deliverables.â€‹
- Originated and spear-headed product innovation ideas, enabling the company to differentiate itself in the ITS/SCADA market.

Expertise

Architecting best practice technical solutions

Technical program management

QA/QM

Client management

Vendor management

Testing and commissioning planning and execution

Team leadership / cross-team collaboration

Engineering cost estimating

Engineering resource management and forecastingâ€‹

Process improvement

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Professional Experience

Regional Engineering Manager 01/2014 to Current Company Name City , State

Currently directing ITS solution deliveries in Texas, Australia, New Zealand, and Chile. â€‹

Lead systems solution architect responsible for technical proposal write-ups, presentations, and engineering cost estimates, which have resulted in winning bids on projects ranging from \$1M to \$25M in the Western NA, SA, and Oceania regions. â€‹

Improved engineering resource coordination between project managers and the engineering department, resulting in more proactive resource planning and increased visibility. â€‹ â€‹

Implemented targeted, JIT training sessions, which drastically improved work efficiency by minimizing the technical learning curve for new staff deployed on Projects. â€‹

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Recent Projects:

Santiago Chile ITS - Value: \$1M

Currently directing the in-house development of an advanced traffic incident detection algorithm, which will tie-in with a GIS map based incident response system to give the client early warning indication of traffic incidents and congestion spikes.

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CityLink OMCS Upgrade - Value: \$4.5M

Directed an ITS/SCADA system upgrade for a mission critical tunnel/toll-road in Melbourne, Australia. Designed an interactive, smart Motorway GIS map to serve as the primary roadway monitoring and traffic incident response GUI.

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LBJ/NTE Managed Lanes Project - Value: \$25M

Technical manager for an ITS system delivery to monitor and control 40 miles of managed lanes for a greenfield civil works Project in the Dallas/Fort Worth area. The project deployed the first dynamic tolling roadway in the state of Texas. The state-of-the-art central command and control center interfaces with several field device sub-systems (electronic information and toll rate signage, traffic detectors, cctv cameras, weather and gas monitoring systems), the Drive-On-Dallas website, and TxDOT's LoneStar & DaITrans systems.

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Engineering Supervisor 01/2011 to 12/2013 Company Name City , State

Improved engineering department productivity by re-organizing engineering staff activity reporting methods and project resource planning. â€

Beat out the 'preferred supplier' in a major civil project bid, by proposing a more efficient, single integrated technology platform that reduced the overall cost and deployment timeline.

Effective engineering team leadership and QA/QC oversight resulted in delivery of several high profile, challenging ITS/SCADA projects on time and under budget. â€

Responsible for engineering estimates and technical write-ups for bid proposals, and provided product demos to prospective clients during sales presentations.

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Major Projects:

Caltrans Devil's Slide Tunnel - Value: \$7M

Delivered a greenfield PLC/SCADA/ITS system for the monitoring/control of a mile long tunnel north of Half Moon Bay, CA. Developed an incident response CONOPS, followed by the design and deployment of a life-safety, emergency incident response management GUI. This IRM GUI allows tunnel Operators to quickly react to a whole range of emergency scenarios that require evacuation of the tunnel and immediate deployment of emergency first responders.

Eastern Distributor Tunnel - Value: \$3.5M. Managed the upgrade of a life-safety ITS/SCADA system for a major tunnel servicing downtown Sydney. Commissioning included the hot-cutover of existing tunnel/traffic control systems, which was achieved with minimal downtime.

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Senior Engineer 07/2003 to 12/2010 Company Name City , State

Systems Engineer II 07/1999 to 06/2003 Company Name City , State

Control Systems Engineer I / II 07/1992 to 06/1999 Company Name City , State

Associate Systems Engineer 06/1991 to 06/1992 Company Name City , State

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Education

Bachelor of Science : Electrical and Computer Engineering 1990 University of California at Santa Barbara City , State

Various Project Management/Leadership Courses