CyVerify.com

CyVerify's team has extensive experience in the Electronic Toll Collection (ETC) and Intelligent Transportation Systems (ITS) industry. Combined, CyVerify's team has over three decades of experience in building end-to-end tolling solutions. Our team has been engaged in all aspects of the tolling business, from RFP responses, to system implementation on and technical operations.

CORE COMPETENCIES

END-TO-END SYSTEM DESIGN

- High level system architecture design
- Open road tolling and single lane tolling system design
- Automatic vehicle identification - readers and antennas
- Automatic vehicle classification
- Automatic license plate recognition
- Maintenance Online Management System
- Incident detection systems
- Lane controller integration
- Network components and intelligent transportation system components
- Operational and commercial back office
- Interface development to external systems, such as a back office, Department of Motor Vehicles, clearing houses or traffic management centers
- Design of toll gantry layout for tolling subsystems

PROJECT MANAGEMENT AND PROPOSAL DEVELOPMENT

- Pre-sales engineering
- Requirements analysis and lifecycle management
- Project feasibility and ROI analysis
- Project bid brief development
- Development of project key performance indicators
- Support development of all aspects of the Project Management Plan
- Management of subcontractors to ensure they are meeting their scope of work milestones

PRODUCT ROADMAP DEVELOPMENT

- Communicate key drivers in industry consortia and certification boards to product managers
- Identify key political drivers in the tolling industry
- Guide product roadmap development to ensure technology is leading the market
- Gap analysis of current product line for future interoperability and compliance with MAP-21
- Work with product manager to ensure product requirements are up to date

TECHNICAL OPERATIONS

- Technical problem analysis and remediation
- Preventative maintenance
- Root cause analysis

MODELING AND SIMULATION

- Simulation of license plate images with system and environmental artifacts to train ALPR algorithms on millions of simulated images for a specific location
- Transaction load modeling to determine maximum system throughput of transactions
- Network modeling for sizing and trade-off studies
- 3D toll plaza dynamic visualization for marketing and sales
- Financial modeling for toll agencies.

TEST AND EVALUATION

- Product compliance testing to customer requirements
- Product certification assistance
- System verification, validation and accreditation

REFERENCES

Our team has worked on over 10 different tolling and ITS implementation projects, as well as on numerous RF(X) responses.

FOR MORE INFORMATION CONTACT:

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Small Business, Woman owned

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14/04/25/STCSv7