



Statement of Work

City of Dallas

Pumpkinvine WWTP VTScada Migration

Inframark Quote #Q25-132415 R2

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1 Revision History

Rev #	Date	Description	Author
0.0	2025-09-25	Initial draft	S.Khel
1.0			
2.0			

2 Statement of Work

2.1 Purpose

Provide and install new servers, workstations and new VTScada HMI software and application conversion from the existing GE iFIX HMI application at the Pumpkinvine WWTP. The latest stable, supported firmware and software versions will be used.

Existing Inframark 3D background graphics will be reused for application development. HMI screen overlays and animations will be reprogrammed in VTScada and linked to new tagnames to mimic the iFIX application.

2.2 Approach

At the WWTP, new hardware and software will be implemented in parallel with at least one of the existing SCADA computers to be used for data verification and as a backup during the testing period.

2.3 Scope

2.3.1 Hardware

2.3.1.1 Pumpkinvine WWTP

- (1) One new SMS modem for text message alarm notification. Inframark will coordinate with SIPSD and their cellular service provider.
- The City of Dallas will provide Server(s) and Workstation(s) along with O/S software, keyboard, mouse, cables, etc...

2.3.2 Workshops

Workshops will be coordinated with WWTP Personnel to discuss their requirements for:

- Standard tag-names, alarms, and reports
- Preliminary and final HMI screen layouts with badge mockups to show how the screens will look with data
- HMI screen navigation hierarchy

2.3.3 Software

The latest, stable version of VTScada with the following features will be installed at the WWTP. The WWTP will have its own standalone HMI application with redundant fail-over.

2.3.3.1 VTScada Dual Server Package

- 5000 Tags
- Two (2) Runtimes
- One (1) Development Node
- Five (5) Clients
- Historian and Back-up Historian
- Security
- Trending & Reporting
- Operator Logbooks
- Widgets & Graphics Library
- Network and PC Resource Monitoring
- Standard & Proprietary I/O Protocol Drivers
- Alarm and Events Logging and Management
- Alarm Notification
- Full Redundancy
- One (1) Year of SupportPlus

2.3.4 Tag Historian and Reports

VTScada's built-in Historian will be used for the Tag Historian and reporting database.

Three (3) years of existing GE iFIX historical data and reports will be migrated and recreated for VTScada.

2.3.5 Testing

Test results reports will be provided upon completion of testing.

2.3.5.1 IO Testing

All converted tag IO and functionality will be tested from the existing PLCs to the new SCADA HMI application.

2.3.5.2 HMI Head-End Testing

Basic computer and HMI component and redundancy testing will be performed.

2.3.5.3 Alarm Notifications

Alarm notifications pipelines and communication methods will all be tested to ensure correct operation.

2.3.5.4 Reports

Report data retrieval, saving, printing, etc. functionality will be tested.

2.3.5.5 Security

Each security level will be tested to ensure only the corresponding functionality is allowed within each level.

2.3.6 Customer Documentation & Backups

Inframark's internal customer documentation will be updated with new hardware, software, architecture, license, and IP address information.

Final backups of all software and hardware configurations and credentials will be copied and stored on Inframark' servers.

2.4 Not in Scope

- Supply of Servers and Workstations. This shall be provided by the City of Dallas.
- Antivirus and antimalware software.
- SCADA architecture changes.
- Cellular service and monthly fees for alarm notifications.
- Correction of existing SCADA issues unrelated to the HMI conversion.

2.5 Deliverables

List of tangible items to be delivered by this work. Examples included below.

Phase	Deliverable
Planning	Tag standards submittal for descriptions, labels, eng. units, logging deadbands, etc.
Planning/Dev	SCADA screen badging submittal
On Site	SCADA Operation & Redundancy Test Report
Closeout	Encrypted archive of all credentials for supplied and configured hardware and software
Closeout	Final backup of HMI application and all software configurations

2.6 Training

Inframark will perform Operator Familiarity Training on the new HMI at the WWTP.

2.7 Cost Proposal

Inframark is pleased to offer this proposal to the City of Dallas to perform work and provide software as outlined above for migrating the HMI at the Pumpkinvine WWTP from GE iFIX to VTSada.

Total Project Cost (taxes not included) \$202,940.00

Thank you for allowing us the opportunity to provide this proposal. Please feel free to reach out to us if you have any questions.



Regards,

A handwritten signature in blue ink, appearing to read "Sothorn Khel", enclosed within a faint blue oval border.

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