

RESOLUTION 25-10

A RESOLUTION TO AUTHORIZE THE PURCHASE OF FIVE FLOW METERS FOR THE COLLECTIONS DIVISION THROUGH SOLE SOURCE

WHEREAS, the City of Spring Hill Collections Division desires to purchase Five additional flow meters from ADS environmental services for Inflow and Infiltration research through Sole Source purchasing policy; and

WHEREAS, the flow meters will be utilized to complete additional inspection of inflow and infiltration concerns throughout our sewer collections system; and

WHEREAS, the total cost of \$55,979.65, was budgeted in budget amendment no. 1 and FY 2024-2025 budget; and

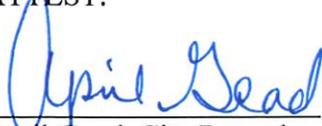
WHEREAS, funding for the purchase of the flow meters will be expensed in the 2024-2025 budget year from 410-52220-59421

NOW, THEREFORE, BE IT RESOLVED, that the City of Spring Hill Board of Mayor and Aldermen authorizes the purchase of five flowmeters at a total cost of \$55,979.65.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee, on the 6th day of January 2025.


Jim Hagaman, Mayor

ATTEST:


April Goad, City Recorder

LEGAL FORM APPROVED:


Patrick Carter, City Attorney



REQUEST: *Approval of Resolution 25-10*

SUBMITTED BY: Jessica Weaver, Utility Director

DATE: January 6th, 2025

RE: To approve purchase of Five flow meters for the Collections
Division through Sole source purchasing from ADS
Environmental services.

ATTACHMENTS: ADS Letter, Quote

PURPOSE:

To approve Resolution 25-10 to approve purchase of five flow meters for additional inspection of inflow and infiltration through sole source purchasing for sewer collections inflow and infiltration.

BACKGROUND:

The City of Spring Hill sewer collections inflow and infiltration division has been working with ADS flow meters for the past several years. Staff is requesting five flow meters to advance our ability to search for additional inflow and infiltration issues within our collections system at a faster rate. These meters along with our existing meters will lead to much needed data to locate additional problems that need to be repaired in hopes of reducing the total flow going to the wastewater treatment plant.

FINANCIAL IMPACT:

This will be funded from FY 2024-2025 budgeted funds at a cost of \$55,979.65 for ADS Environmental Services through Sole source.

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 25-10 to approve purchase of the five flow meters at a total cost of \$55,979.65 from the budgeted funds line item 410-52220-59421.



ADS ENVIRONMENTAL SERVICES
A Division of ADS LLC

340 The Bridge Street, Suite 204
Huntsville, AL 35806
www.adsenv.com

February 15, 2023

Mr. Michael Miller
City of Spring Hill, TN
P.O. Box 789
Spring Hill, TN 35806

Subject: ADS Equipment

Dear Mr. Miller,

ADS designs, manufactures and services its Sewer Flow Monitoring and Rain Gauging equipment.

We only sell that equipment and parts directly through our Business Development Managers and other direct company sources such as the ADS Storefront. We do not sell through distributors, agents or other outlets in the U.S. in order to provide customers with the lowest price and best support possible. I am the BDM for Tennessee.

I will be the contact person for the procurement so please feel free to call me if you have any questions. I can be reached at (256) 430-6494 or on my cell phone at (256) 508-1628.

We look forward to working with you.

Sincerely,
ADS Environmental Services

Luis Mijares
Senior Business Development Manager



340 The Bridge Street, Suite 204
 Huntsville, AL 35806
 256-430-3366
www.adsenv.com

ADS Contact

Matthew Brown | Business Development Manager
 340 The Bridge Street, Suite 204 | Huntsville, AL 35806
MBrown3@idexcorp.com | 256.656.6385

City of Springhill, TN

Attn: Ryan Lamunyon
 3893 Mahlon Moore Road
 Spring Hill, TN 37174

Quote Reference: SpringHill.EQP.2.TN24

Date: 10.29.2024

Terms: Net 30

Delivery: 30 Days ARO

Effective To: 12.31.2024

Description	Qty	Unit Price	Ext. Price
ADS Triton+ World Wide Modem Bundle	5	\$10,775.93	\$53,879.65
<ul style="list-style-type: none"> • TRITON+ Flow Monitor (P/N 8000-FST-IM-4WW-VZW) • Antenna - (P/N 9000-0096) • Battery (P/N 8000-0043-02) • Mounting Hook (P/N 8000-0021) • AV Max Sensor (P/N 8K-CS9-10-35) or Surface Combo Sensor (8K-CS8-V2-10-30) • Shipping 			
New Monitor Wireless Telemetry and PRISM Webhosting (1 Yr.)			
<u>Wireless Telemetry:</u> Data Charges associated with cellular data transfer	5	\$180.00	\$900.00
<u>PRISM:</u> Secure access to PRISM Website for data collection and Review	5	\$240.00	\$1,200.00
		Total:	\$55,979.65
Items may be taxable in accordance with local tax laws.			

NOTES:

1. The above prices do not include any special, modified, or custom documentation or manuals that may be required. Standard ADS Environmental Services manuals, appropriate to the flow monitors delivered, are included with the equipment.
2. Sale of the above equipment and software is subject to acceptance of ADS Environmental Services Equipment Sale Agreement. Activation of software requires users to execute ADS Environmental Services Software License Agreement.
3. Acceptance of this proposal for the purchase of ADS Products constitutes you and/or your company's agreement to ADS' Standard Terms and Conditions of Sale found at <https://www.adsenv.com/ads-equipment-sales-terms-and-conditions/>. ADS' Terms and Conditions supersede any terms and conditions in any documentation submitted by you and/or your company as a buyer of ADS products.
4. These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations

Client Name:

ADS LLC

Signature

Signature

Jim Hagaman, Mayor

Printed Name/Title

Printed Name/Title

01-06-2025

Date

Date



TRITON+® Flow Monitoring System

ADS TRITON+

Flow Monitoring for Open Channel Flows

The ADS® **TRITON+** is the most versatile and cost-effective flow monitor on the market. The **TRITON+** includes connections for multiple sensor technology options and provides users with industry-standard data for a variety of applications.

The **TRITON+** is an intrinsically safe, "Fit-for-Purpose" open channel flow monitor for use in sanitary, combined, and storm sewers. It supports single pipe or dual pipe flow measurement installations.

The **TRITON+** Flow Monitoring System is used to gather data for use in a variety of applications:

- Sanitary sewer overflows (SSOs)
- Combined sewer overflows (CSOs)
- Infiltration and inflow (I/I) analysis
- Sewer model validation
- Optimize cleaning process
- Lift/pump station backup
- Regulatory reporting
- Mitigate SSOs
- Bypass monitoring
- Inter-jurisdictional billing

Versatile and Accurate



Monitor-Level Intelligence (MLI®) enables the **TRITON+** to effectively operate over a wide range of hydraulic conditions. The **TRITON+** supports single or dual pipe/monitoring point measurement capabilities. It supports actuation of a water quality sampler for flow proportional or level-based operation.

Access Data with Ease



Wireless options make it easy to collect data from your **TRITON+**. The ADS web software **PRISM™** enables you to access all your data in one platform from any device (PC, tablet, phone).

Configure to Suit Your Budget



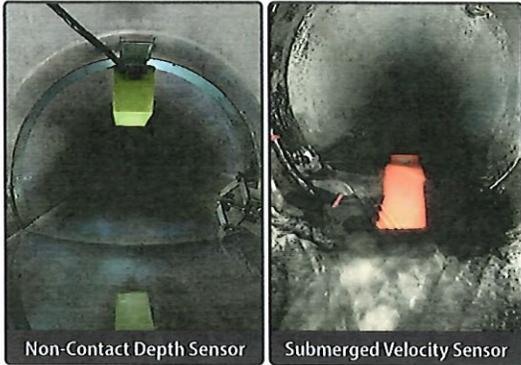
The **TRITON+** has the lowest operational cost per data sample of any *Intrinsically Safe* flow monitor available. The platform adapts to a wide range of customer applications and budgets, and can be configured as an economical *single sensor monitor or dual sensor monitor*.

Extended Asset Life



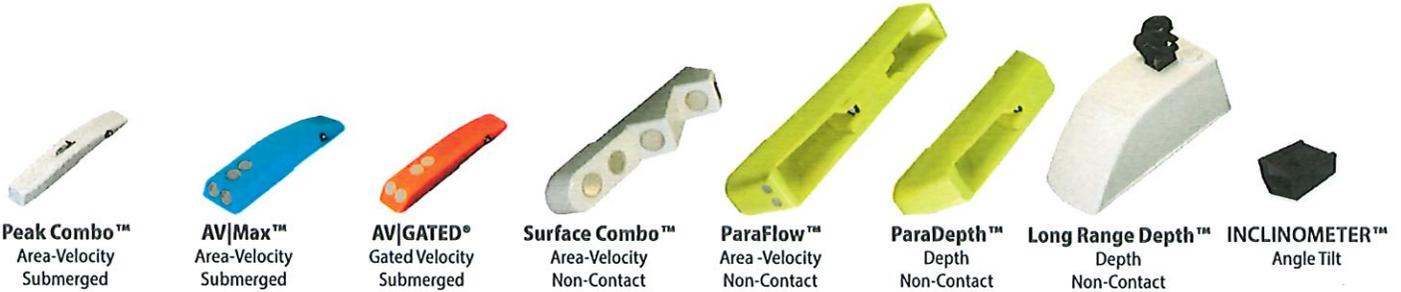
The **TRITON+** has industry-leading battery life. It offers a longer battery life and fewer parts for a more reliable system, providing a lower purchase price and lower ownership cost over the life of the monitor.

ADS TRITON+ Sensors are Adaptable to a Wide Variety of Applications



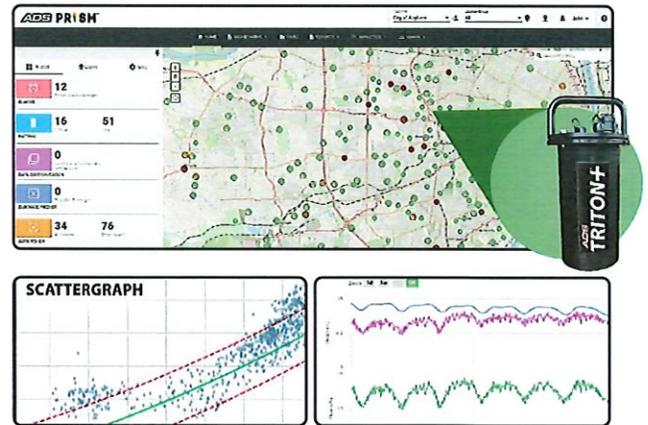
The **TRITON+** flow monitor is compatible with a suite of sensors designed to cover a wide range of applications and a wide range of flow conditions in sanitary sewer, combined sewer, and storm sewer applications. Choose from area-velocity (AV) sensors and depth sensors using submerged or non-contact mounting options. There is even an available inclinometer. The **TRITON+** is configurable with one or two sensors measuring one or two monitoring points. See the sensor specifications at www.adsenv.com/triton.

ADS Sensor Technologies Include: Pressure depth, Ultrasonic depth (non-contact & submerged), Doppler velocity, Gated velocity, Surface velocity, Temperature, Inclinometer (tilt sensor)



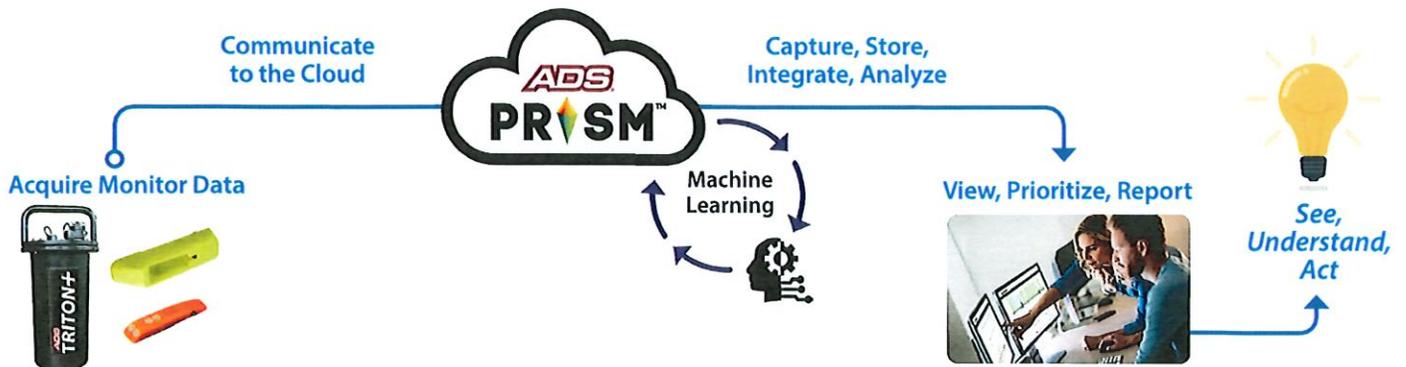
ADS PRISM™ Software Enhances Understanding

PRISM is a cloud-based, secure software system that acquires, stores and presents data with ongoing user access. The home page (right) provides a map view and a dashboard for quick access to essential parameters. Individual site details, hydrographs and remote site system settings are all accessible. **PRISM** APIs enable third party data exchange.



- Configure and activate
- Set alarms
- Manage data
- Manage blockages with **blockage PREDICT™**
- Conduct I/I studies with the **NEW SLiICER™** app
- Utilize GIS

Real-time data is collected and communicated to the cloud-based **PRISM** software and analytics. With continuous user access, informed actions are enabled. Learn more about **PRISM** at www.adsenv.com/prism.



ADS TRITON+

Flow Monitor Specifications



Connectors	U.S. Military specification MIL-C 26482 series 1, for environmental sealing, with gold-plated contacts
Communication	Third-party, FCC/IC/EC- and carrier-approved wireless modem Compatible with all 4G LTE-M networks worldwide with 2G fallback (where available) Automatically detects installed SIM upon boot up to determine correct network Modem FCCID: R17ME910C1WW
Monitor Interfaces	Supports simultaneous interfaces with up to two combo sensors Supports optional Analog and Digital I/O with ADS XIO: two 4-20 mA inputs and outputs, two switch inputs and two relay outputs
Power	Internal - Battery life with a cellular modem: <ul style="list-style-type: none">• Over 15 months at a 15-minute sample rate*• Over 6 months at a 5-minute sample rate* External - Optional external power available with ADS External Power and Communications Unit (ExPAC) with an ADS- or customer-supplied 9-36 Volt DC power supply * Rate based on collecting data once a day and varies according to sensor configuration and operating temperature
Connectivity	Modbus ASCII: Wireless; Wired using ADS ExpAC or XBUS Modbus RTU: Wireless; Wired using ADS ExpAC or XBUS Modbus TCP: Wireless only
Operating and Storage Temperature	-4° to 140° F (-20° to 60° C)
Compatibility	Attachable ADS Sensors Qstart™XML with ADS TRITON+® firmware version 6.43 and higher PRISM™

Mounting Options	Mount on the manhole rung using standard hook (ADS p/n 8000-0021) Mount permanently to the manhole wall using monitor mounting bracket/flange (ADS p/n I40-0009) Mount to the manhole rim using monitor bracket/flange (ADS p/n I40-0009)
Intrinsic Safety Certifications	Certified under the ATEX European Intrinsic Safety standards for Zone 0 rated hazardous areas Certified under IECEx (International Electrotechnical Commission) Intrinsic Safety Standards for use in Zone 0 rated hazardous areas (equivalent to Class I, Division 1, Groups C & D) CSA Certified to Class 225803 Process Control Equipment, Intrinsically Safe and Non-Incendive Systems – For Zone 0 Hazardous Locations, Ex ia IIB T3 (152° C) in Canada CSA Certified to Class 225883 Process Control Equipment, Intrinsically Safe and Non-Incendive Systems – For Class I Zone 0 Hazardous Locations, AEx ia IIB T3 (152° C) in the USA (equivalent to Class I, Division 1, Groups C & D)
Other Certifications/Compliances	FCC Part 15 compliant Carries the EU CE mark ROHS (lead-free) compliant Canada IC CS-03 compliant IP68 compliant



Learn more about ADS TRITON+
www.adsenv.com/triton



Call: 800.633.7246
Email: adssales@idexcorp.com

