

MARSH SIGMA
McBIRNEY



RIGHT DATA.
RIGHT RESULTS.

Be right, right now with
HACH DATA DELIVERY SERVICES

ECONOMICAL & EFFICIENT FLOW MONITORING SERVICES

GOOD FLOW DATA MAKES YOU SMART. HACH DDS MAKES YOU BRILLIANT.

It's a simple truth that good data helps you make better decisions. Armed with accurate and timely wastewater flow data, those tough challenges you struggle with will be easier to solve and your risks will shrink dramatically. Sounds pretty smart, right?

But it's also well-known that collecting good flow data can be a time consuming, expensive, and hassle-filled process. Well, not anymore...

MEET HACH DATA DELIVERY SERVICES (DDS).

DDS is a highly efficient flow monitoring service tailored to deliver the right data, right when you need it, so you can deliver the right results. For a fixed monthly fee, Hach Flow provides all of the equipment, data transmission, and technical support you need to acquire your flow data—delivered in real-time so you can immediately perform your analysis. And Hach even manages all equipment monitoring and maintenance resources,* removing that aggravation from your day.

Stop losing time to the constant struggle of securing reliable flow data. Use DDS instead and devote your efforts to implementing projects that finally solve your wastewater flow challenges.

What Hach Handles:



**All Necessary
Equipment**



**Monitoring &
Maintenance***



**Data Transmission
& Storage**

**Equipment monitoring & maintenance available with DDS Preferred Program.*

THE BENEFITS OF DDS

- **Use state-of-the-art flow monitoring equipment without buying any inventory.**
All equipment is included in the monthly cost so you don't have to pay a premium to be on the cutting edge of technology, and you never have to worry about your equipment becoming obsolete.
- **Choose a Hach DDS program that fits your staffing resource needs.**
We'll train and certify your staff to handle maintenance, or we'll do the maintenance for you. You choose.
- **Get started quickly.**
Hach has an extensive supply of loggers and installers that allow us to get your meters installed and sending data in no time.
- **Receive the data you need, guaranteed.**
Hach Company monitors the status of all your wirelessly-networked flow meters 24/7 and guarantees a 95% uptime.

- **Leave repairs to us.**
In the event equipment becomes fouled or malfunctions in any way, Hach handles all repair or replacement at no additional cost to you.
- **Know your flow status anytime, anywhere.**
All metered locations can be programmed to send text or email alerts as desired, and alarms can be set for any measurement.
- **Harness the power of real-time data.**
Hach DDS includes FSDATA Online Data Manager, a cloud-based software that allows you to view your collection systems' response to weather events or improvement projects in real-time from any computer with a web browser.
- **Use DDS for either long- or short-term monitoring.**
From ongoing flow data collection to temporary projects like I&I studies, Hach DDS is an economical, ideal solution.

What You Get:



**Real-time Access
to Data for Analysis**

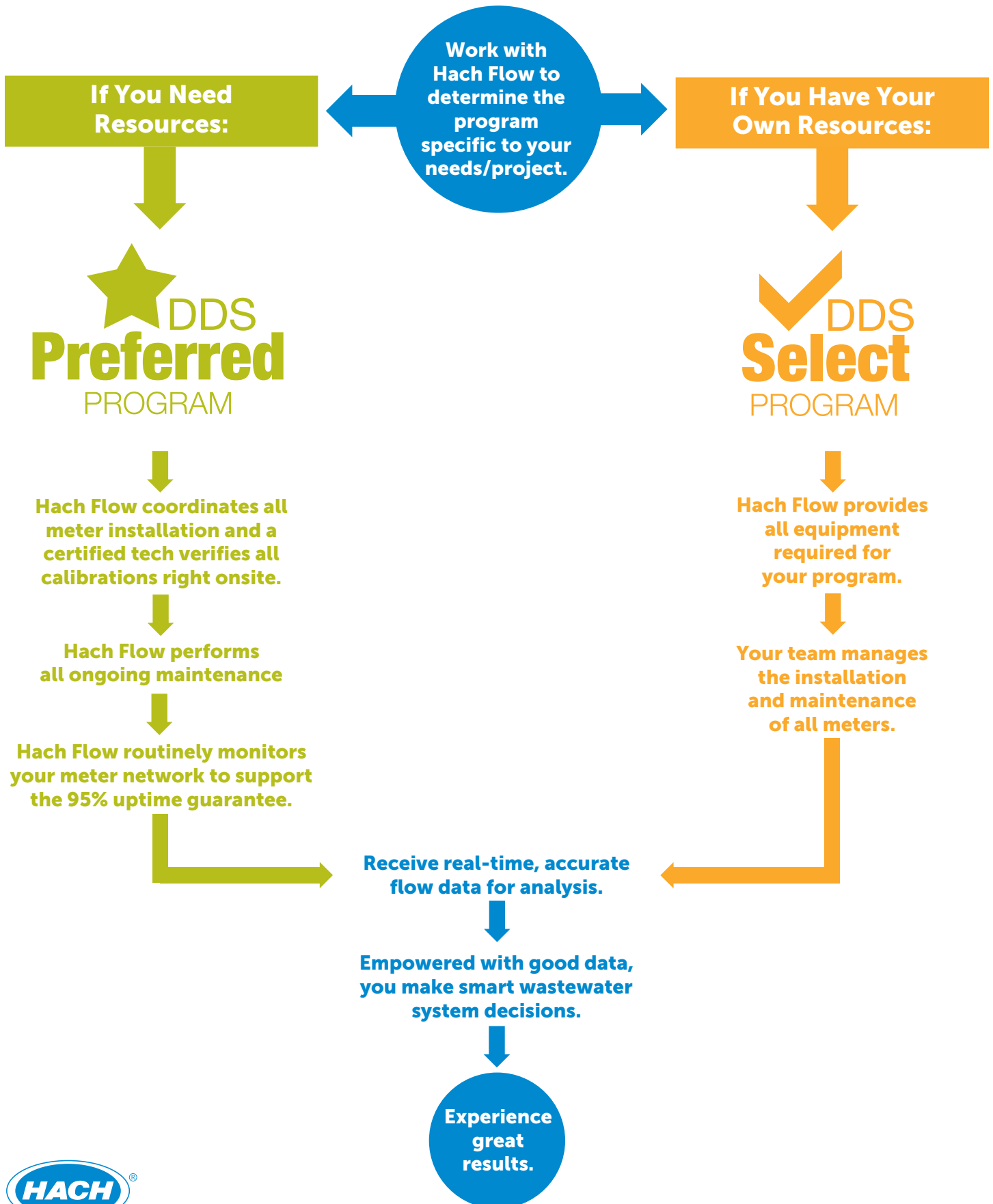


**Convenient Data
Access Anywhere**



**Instant Alerts
on Flow Changes**

WHICH DDS PROGRAM IS RIGHT FOR YOU?



DDS PROGRAM OPTIONS



Included with chosen DDS Program		DDS Preferred PROGRAM	DDS Select PROGRAM
Software and Hardware	Hach FL900 Series Flow Logger - Wireless	✓	✓
	Flow Monitoring Sensors (See Available Sensor Systems)	✓	✓
	Cellular Data Service	✓	✓
	Web-Based Software - FSDATA Online Data Manager	✓	✓
	24/7 Access to Unedited Real-time Data	✓	✓
	Unlimited Data Storage	✓	✓
	Alarms (Event Notification)	✓	✓
	Installation Hardware Incl. Antenna	✓	✓
	Battery and Equipment Replacement	✓	✓
Standard Services	24/7 Customer Support	✓	✓
	Training on fsDATA	✓	✓
	95% Uptime Guarantee	✓	Meter Only
Premium Services	Installation Coordination	✓	Optional
	On-Site Startup, Calibration by Hach Technician	✓	Optional
	Monitoring of Equipment Performance	✓	Not Available
	Maintenance, Battery Changes by Trained Technician	✓	Not Available
	Removal when Contract Ends	✓	Not Available
	Shipping to/from Customer Site	✓	Ship to only

THE BEST EQUIPMENT MONEY CAN BUY, WITHOUT HAVING TO BUY.



One of the greatest benefits of Hach's Data Delivery Services is the opportunity to use the best, most current flow monitoring equipment on the market without having to purchase any inventory. All equipment is simply built into the monthly cost of your program, including any equipment repair or replacement, if needed. With DDS, you'll never have to worry about having the tools you need.

Hach FL900 Series Flow Logger - Wireless

- Cellular wireless modem for real-time data access
 - Carriers available include Verizon, AT&T, Sprint & Rogers
- Four sensor ports for any Hach sensor
- Rain Gauge port
- COM port for direct meter communication or access to MODBUS

FLO-DAR AV Sensor

- Non-contact flow monitoring reduces sensor fouling and downtime
 - Utilizes advanced digital Doppler radar to measure velocity and ultrasonic technology to measure level
- The surcharge level sensor and surcharge Velocity Sensor (SVS) continue to deliver data even during surcharge events

rsDATA Online Data Manager

- Connects with wireless FL900 Series Flow Loggers to present real-time data 24/7
- Map-view dashboard shows meter locations and status with color-coded markers
- Intuitive drop-down menus make site navigation easy and efficient
- View flow data in a variety of tabular spreadsheet or graphical formats
- Easily generate summaries and reports with database-organized data
- Web service option for integration with SCADA or other databases, including both real-time and historical data



AVAILABLE SENSOR SYSTEMS

The  icon indicates sensor systems available with the **DDS Preferred Program**, which includes monitoring and maintenance.

The  icon indicates sensor systems available with the **DDS Select Program**, which does not include monitoring and maintenance.

Non-Contact Wireless Monitoring System

Our most powerful monitoring system combines the convenience of wireless data delivery with the intelligence of non-contact flow monitoring. Using wireless Hach FL900 Series Flow Loggers and non-contact FLO-DAR AV with SVS Sensors, this system efficiently captures flow data and significantly limits the risk of sensor downtime. The DDS Preferred Program is built on the strength of the Non-Contact Wireless Monitoring System.



Wireless Level-Alarming Network Extension

This sensor system is designed to economically expand your meter network, complementing the Non-Contact Wireless Monitoring System. Use highly accurate, non-contact FLO-DAR monitoring for primary sites and then use ultrasonic level sensors at secondary locations to extend your system awareness while staying within your budget. This system:

- Uses Hach US9001B Ultrasonic Sensors with Ballast to provide SSO and CSO alarming
- Can be set up to collect flow data using Manning's equation
- Includes Hach FL900 Series Flow Loggers to wirelessly transmit alarms and data right to your desktop or mobile phone



Rain Gauge Monitoring Network Extension

Expanding your monitoring network to measure rainfall is always a good idea, and this network extension is designed to do just that, smartly complementing our Non-Contact Wireless Monitoring System. Utilizing rain gauge tipping buckets paired with wireless data loggers to transmit precipitation information, you'll conveniently be able to view your system's reaction to a rain event in real-time. The system includes:

- Sigma Rain Gauge Tipping Buckets
- Wireless Hach FL900 Series Flow Loggers



Redundant Level Monitoring System

This new twist on traditional submerged monitoring pairs a submerged AV sensor with an ultrasonic level sensor for integrated redundant-level flow monitoring. The system includes:

- Sigma Submerged AV or FLO-TOTE® 3 AV Sensors
- Hach US9000 Ultrasonic Sensors — Down-Looking (US9001) or In-Pipe (US9003)
- Wireless Hach FL900 Series Flow Loggers with AV9000 Analyzer Modules



Submerged AV Monitoring System

The Submerged AV Monitoring System is as tried and true as it gets, but the Hach Submerged AV Monitoring System also incorporates wireless data transmission to provide truly convenient, real-time data review. This system features:

- Sigma Submerged AV or FLO-TOTE® 3 AV Sensors
- Wireless Hach FL900 Series Flow Loggers with AV9000 Analyzer Modules





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**CONTACT HACH FLOW TO DISCUSS YOUR NEEDS AND
SELECT A DDS PROGRAM THAT'S RIGHT FOR YOU.**

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