<u>geotech</u>

By utilizing Ayyeka's state-of-the art Industrial IoT technology, remote monitoring operations can benefit from greater efficiency, reduced system breakdowns and better regulatory adherence. With robust software integrated into the devices' systems, continuous monitoring provides powerful situational awareness that helps to ensure smooth operation and reduced site visits. It offers ruggedized IP68, NEMA6p hardware, and a powerful feature-rich Al-driven software platform that integrates with almost any 3rd party industrial data management platform.

FEATURES

- High compatibility attach any sensor to any software system
- Efficient plug-and-play installation connects to new and existing infrastructure saving time and money
- High level security with encryption, authentica-tion and remote updates
- Comprehensive with all required equipment and services
- Solar or AC Power Options

Wavelet 4R Ultimate Scalability





Wavelet V2 Ultimate Versatility



Wavelet Ex V2 Explosive Environment

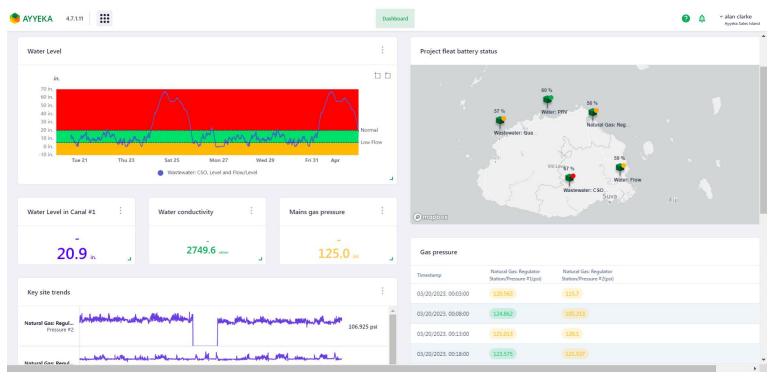


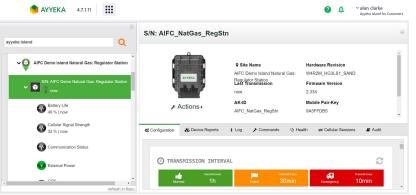
CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc. 2650 East 40th Avenue Denver, Colorado 80205 (303) 320-4764 FAX (303) 322 7242 email: sales@geotechenv.com website: www.geotechenv.com



FIELD ASSET INTELLIGENCE PLATFORM (FAI) MANAGING REMOTE DATA & DEVICES





- Monitor all devices using a powerful mapping technology that transforms data into meaningful visual insights.
- Intuitive UI providing full control over real time alerts via SMS, email, or phone call, allowing for quicker response for troubleshooting and secures project assets.
- Instant access to remote assets, creating a connected infrastructure with unparalleled ease.
 Support for standard protocols ensures reliable integration in existing systems such as SCADA or business intelligence solutions.
- On-demand oversight over devices ensuring their configurations are up to date and firmware remains current.

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc. 2650 East 40th Avenue Denver, Colorado 80205 (303) 320-4764 FAX (303) 322 7242 email: sales@geotechenv.com website: www.geotechenv.com

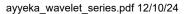
	Technical Specifications						
	Device	Wavelet 4R	Wavelet V2	Wavelet Ex V2			
	Data Hosting	Cloud or on-premises					
	Cyber-Security	TLS 1.3 Protocol (AES-256)					
	Software Integration	REST API, CSV					
	SCADA Integration	CSV, DNP3, OPC-UA (Via FAI)					
are	IoT Platform Software	Web-base from Internet Enable Device					
Software	AyyekaGo Mobile App	iOS, Android					
	Data Export Options	CSV, FTP					
а Хо	Device Memory	16 MB (~976 samples)	8 GB (~500 million samples)				
Data &	Real Time Clock Accuracy	3ppm from -30C to +80C					
	Data Communication	Bidirectional					
	Alert Notification System	Up to 4 per Data Stream (email, SMS, voice)					
	Health Check	Included					
	Primary Power Supply	Internal Lithium Battery (Field replaceable and non-rechargeable), 3.9V DC 3A					
er	Battery Capacity	32 Ah					
Power	Battery Life	Up to 10 Years (usage dependant) Up to 5 Years		Up to 5 Years			
Ъ	Battery Notifications	Included					
	External Power Supply	6-24VDC automatic ower switching					
	Sensor Connection	Wired with M12 Connectors					
	Serial Interfaces	RS485 or RS232	RS485 or RS232 RS485 or RS232 or SDI-12				
S	Analog Inputs		MODBUS, SDI-12, ASCII Text, Custom				
ndı	Digital Inputs	2 dry contact, 2 open drain	5 dry contact, 2 open drain	3 dry contact, open drain			
r Ir	Pulse Counting		Up to 2 at 30HZ max pulse frequency				
Sensor Inputs	Digital Outputs	2 at 2.8V with 6mA max	5 at 2.8V with 6mA max	3 at 2.8V with 6mA max			
Se	Sensor Power Supply Output (Switched 12 Volt)	1 port - 250mA, 3.6V or 12V	4 ports with a total 250mA, 3.6V or 12V	3 ports with a total 250mA, 3.6V or 12V			
	Serial Ports	1 Port,	; Supports up to 4 sensors using cable splitters				
	Cell Technologies	(Global) - CAT-M, NB-IoT	CAT 3 (Global) - 4G, 3G, 2G				
	Options	or (Global) - 4G, 3G, 2G					
ity	LoRa Connectivity***	No support	Factory Installed Option	No support			
ctiv	SIM Card	Single SIM slot, 4 FF	Dual SIM slots, 3FF				
Connectivity	Global Roaming	Global multi-ne	etwork eSIM data plan included for up to 180+ countries				
Cor	Configure/Updates	Bluetooth Low Energy (BLE), remote (over-the-air), USB connection					
0	Data Transmission	Periodic, dat-dependent					
	Antenna	External antenna - SMA female	External & Backup internal antenna - SMA female				
	Built-In GPS	Included					
***Wa	velet V2 must be configured wit	h LoRa Connectivity at time of manufacturi	ng.				

***Wavelet V2 must be configured with LoRa Connectivity at time of manufacturing.

CALL GEOTECH TODAY (800) 833-7958

	Technical Specifications			
	Device	Wavelet 4R	Wavelet V2	Wavelet Ex V2
Enclosure	Dimensions (WxHxD)	13.2 cm x 16.5 cm x 7.3 cm		
	Weight	0.7 kg (1.5 lb)	0.75 kg (1.65 lb)	1.0kg (2.2 lbs)
	Enclosure Material	Polycarbonate w/ ABS UL 94-V0 and UV Resistant		
	Ingress Protection	IP 68/NEMA 6P		
	Operating Temp.	-40° to 80°C (-40° to 176°F)		
	Storage Temp.			
	Data in Transit	TLS 1.3		
ť	Security			
uri	Device Authentication	Hardware Based		
sec	Bluetooth	ECC key exchange, AES-256 encryption		
Cybersecurity	Firmware/Security Updates	Full-over-the-air (FOTA)		
0	Physical Access	Restricted to diagnostics only		
	Safety	EN 61010-1: 2010, IEC 61010-1		
-	Ex approvals			Class I Division 1 Zone 0 ATEX Zone 0 - IECEx
tior	FCC	FCC Part 15 Subpart B		
Certification	EMC	N 301 489-1 V2.1.1 2017, EN 301 489-7 V1.3.1 2005		
erti	Spurious Emissions	EN 301 511 V12.5.1 2017		
Ŭ	Radiate Emissions	EN 301 908-1 V11.1.1 2016		
	Radiate Emissions	EN 60529:1992 + A2:2013, EIC 60529:1989/AM1:19991		
	CE	Approved		

FAI Cloud Tiers - Annual Service Subscription Plans					
Service Subscription Plans ¹	Essential	Professional	Enterprise		
Scheduled transmissions (per wavelet) ²	\bigotimes	Ø			
	Max 6/day ³	Max 24/day ⁴			
Limited Event Triggered Transmissions (per wavelet) ²	Max 1k/year	Max 4k/year	Kear ume -		
Scheduled Samples (per wavelet) ²	Ø	Ø	Ø		
	Max 60/hour ⁶	Max 360/ hour ⁷	Unlimited ⁵		
Limited Event Triggered Transmissions (per wavelet) ²	Max 100k/year	Max 500k/ year	Unimited -		
LoRaWAN connectivity ⁹	Ø	\bigotimes	\bigotimes		
		5 36 months of data storage extended storage options	-		
	Integrations				
CSV & SFTP	\bigotimes				
DNP3		Ø	Ø		
OPC UA		'	Ŭ		
REST API ¹⁰		!	l		
	Platform				
Users		Unlimited			
Remote Sensor Configuration	'	[!			
Data Visualization	Ø	Ø	Ø		
Data Report & Export	l Č		Č		
Remote Device & Fleet Management		<u> </u> '			
	Alerts & Notifications				
Email Alerts	\bigotimes	\bigotimes	\bigotimes		
SMS Alerts ¹¹	\bigotimes	Ø	Ø		
	Max 365/year	Max 730/year	Max 1,460/year		
Voice Alerts ¹¹	· · · · · · · · · · · · · · · · · · ·	Ø	Ø		
	'	Max 730/year	Max 1,460/year		
FAI Plus - Va	lue Added Apps (Data Utiliz	zation)			
Device Data Replication		Ø	Ø		
Scheduled WaveCam Pictures (per wavelet) ¹²	Ø	Ø	\bigotimes		
	Max 2/day	Max 12/day	Max 144/day		
Limited Event Triggered WaveCam Pictures (per wave- let) ¹²	Max 500/year	Max 3k/year	Max 15k/year		
Online Weather Data (tomorrow.io) ¹³					
3rd Party Dataloggers to be used with Ayyeka Apps ¹⁴	Requires additional fee.				
	·	· · · · · · · · · · · · · · · · · · ·			



Ayyeka Industrial IoT Devices

Service Subscription Plans ¹	Essential	Professional	Enterprise					
Support								
Remote Firmware Updates								
Knowledge Base Access								
Email Support	Ø	\bigotimes	Ø					
Phone Support								
Wavelet hardware warranty ¹⁵								
Out	Out of Scope Professional Services ¹⁶							
Data & Sensor Integration Support ¹⁷	Requires additional fee.							
Certifications & Cyber Security Support ¹⁷	Requires additional fee.							
Data & Sensor Integration Support ¹⁷ Requires additional fee.								
CALL GEOTECH TODAY (800) 833-7958 Controls Environmental Environment Inc.								

Geotech Environmental Equipment, Inc. 2650 East 40th Avenue Denver, Colorado 80205 (303) 320-4764 FAX (303) 322 7242 email: sales@geotechenv.com website: www.geotechenv.com