

HITEKS

TELEMETRY AND ENERGY



Remote monitoring
solutions for OIL&GAS



TELEMETRY
& ENERGY

About Us

Our story started in 2002

Back then we were a small bunch of engineers based in the heart of the most important Italian industrial region: Veneto.

We were a forward-looking company focused on Oil&Gas IT services, today we are privileged to connect thousands international customers to a dynamic network of devices, data and people.

Our Mission

We help businesses grow through online connections, telemetry, data management. Our technology today is installed in more than 50 different countries in 4 continents.

Design and Production

We lead, shape, design, build, distribute and update day by day a wide range of telemetry equipment and the more developed platform for Oil&Gas Industry.

Our Certifications

Hitek meets all quality standards in the execution of production processes and laboratory analysis. Monitoring, safety, compliance with standards, attention to the environment and the achievement of certifications are the basis of all our quality controls because we want to offer the best products to our customers.



UNI EN ISO 9001:2015 CERTIFICATION

Certification n°: 260396-2018-AQ-ITA-ACCREDIA

Design, production, marketing, testing and service of electrical and electronic measuring devices and systems in the energy, water, gas and home automation sectors.

Provision of remote control, remote reading and remote monitoring services in the energy, water, gas and home automation sectors (EA 19,33).



UNI CEI EN ISO/IEC 80079-34:2012

Certification (ATEX) 2014/34/EU to maintain a quality management system for the manufacture of Ex equipment, used in potentially explosive atmospheres.



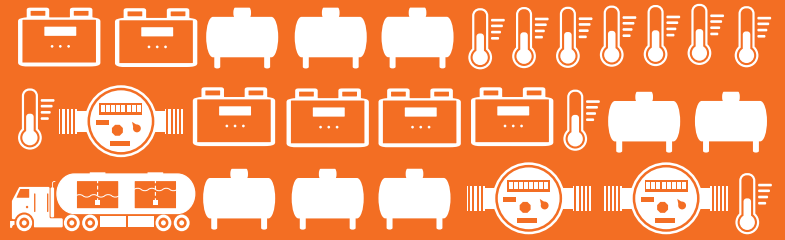
IECEx QUALITY ASSESSMENT

IECEx certified to maintain a quality management system for the manufacture of Ex equipment used in potentially explosive atmospheres.

2014/34/UE ATEX DIRECTIVE CERTIFICATION

Certification of equipment and protective systems intended for use in potentially explosive atmospheres due to the presence of gases, vapours, mists or dust.

4



*million telemetry device
installed worldwide*

20



*milestone in
telemetry*

∞



*everywhere
in the world*

4



*languages
customer
support*

15%



annual turnover invested in R&D

HITEKS PRODUCTS EVOLUTION TIMELINE



2007

GPS-ONE is the revolutionary device for the roadtank geopositioning and level control



2010

I-READ ZERO is the evolution of I-READ suitable to ATEX Zone 0



2015

ZERO RADIO, devices for home level reading.



2017

GPS-TWO is the international upgrade of the roadtank positioning and level control telemetry



2021

ZERO.1 is the third generation of LPG tank telemetry device.

2006

Official presentation of WEBVISION cloud platform and READ LPG tank telemetry



2008

I-READ , device for LPG, WATER and OIL TANK IP68 extreme low power consumption



2014

ZERO is the innovative compact device for ATEX Zone 0 LPG tank management



2016

ZERO External Antenna dedicated to underground tanks



2020

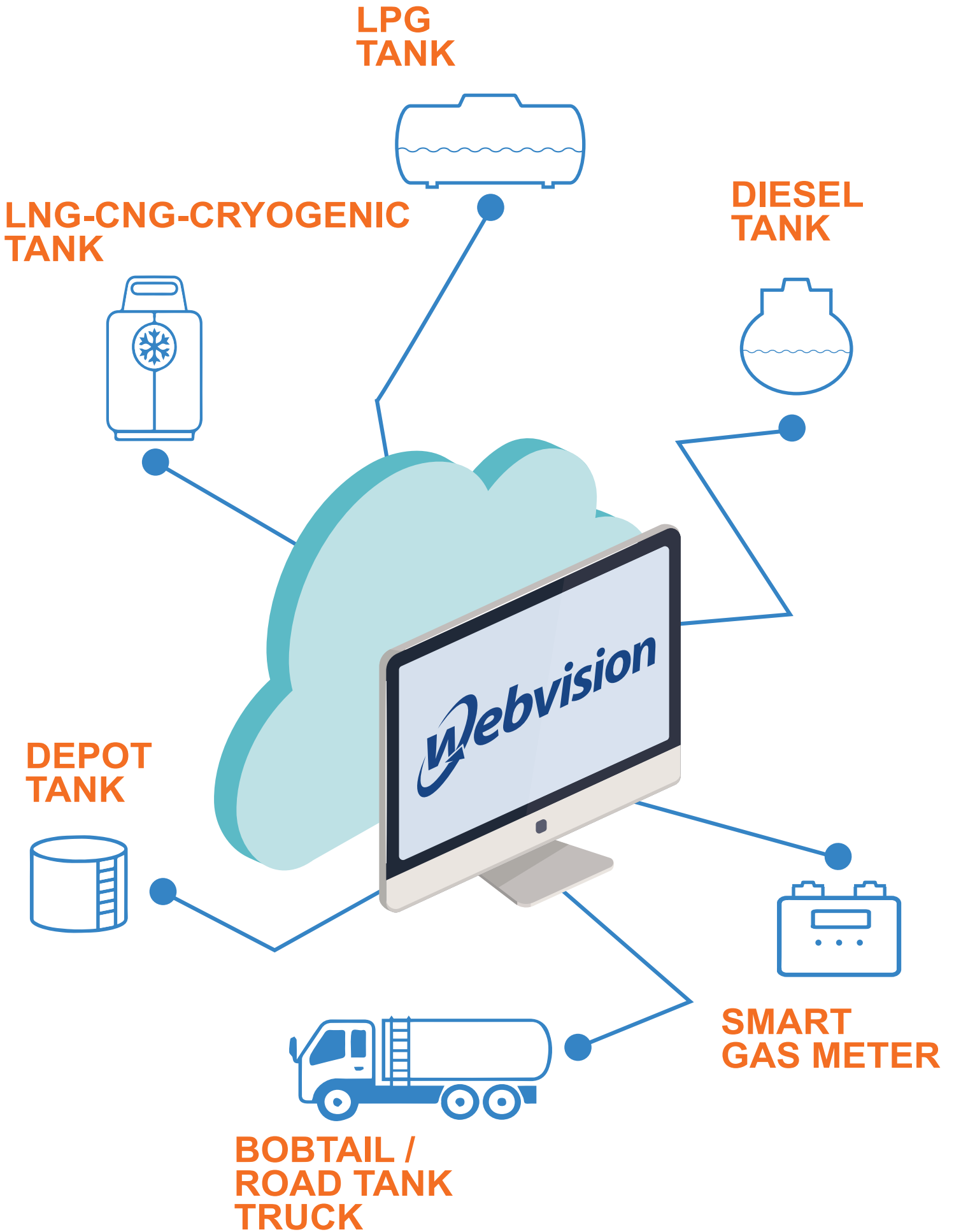
RAD is the most advanced control unit for the remote management of tanks, plants and depots



2022

ZERO.1 TANK dedicate for diesel fuel tank

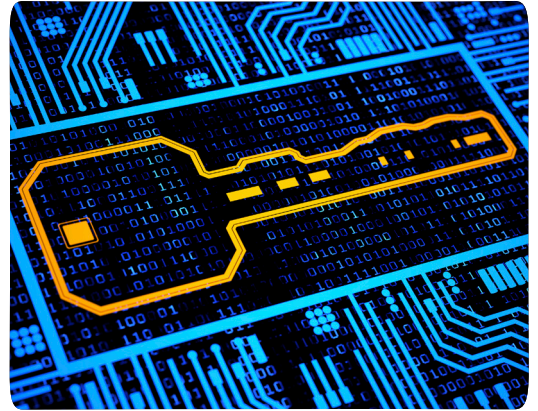




1

SAFETY Access level

- Discretionary Access Control (DAC)
- Encrypted USER & PSW + TOKEN



2

CLOUD 24/7/365 Always ON

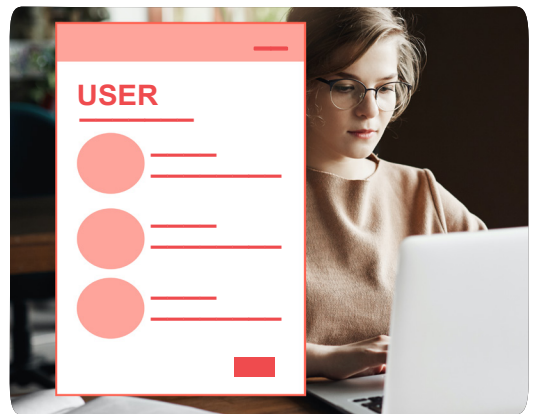
- Secure Cloud Services
- Software-as-a-Service (SaaS)



3

USERS Oriented

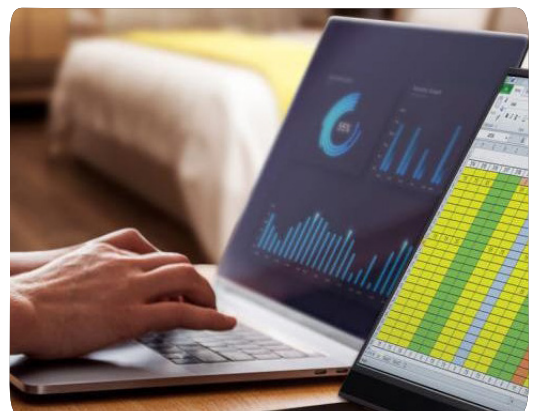
- Custom Dashboard
- Custom Alert Setup



4

DASHBOARD

- Full devices control
- Real time data



5

BIG DATA Exchange & Analytic

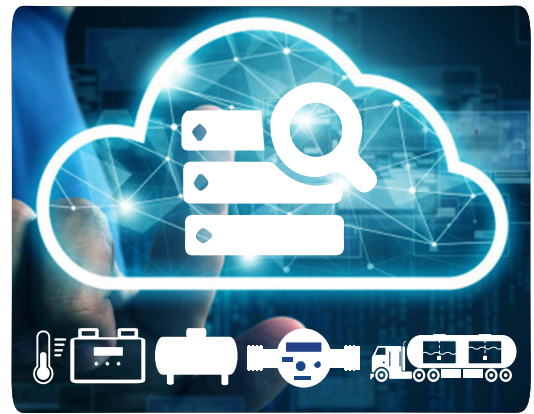
- Data Exchange
- Flow Analysis



6

ASSET Tracking

- Stationary Goods
- Mobile Work Force



7

END-USER Web App

- Point to Point Contact
- Customer Satisfaction

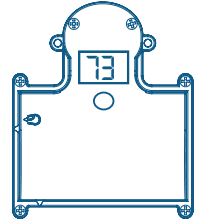


8

MAINTENANCE

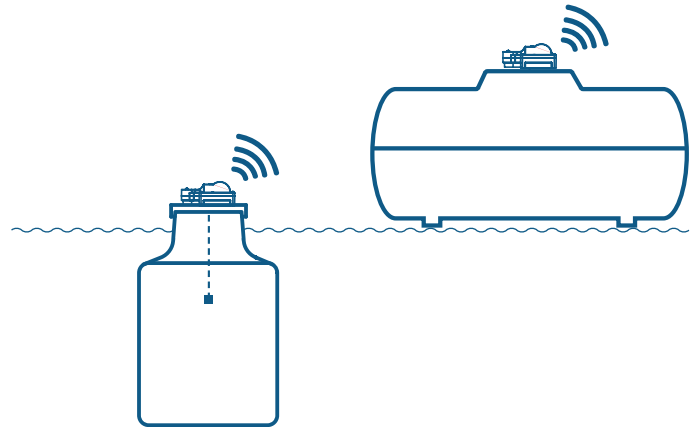
- Predictive activities
- Scheduled Maintenance





ZERO.1

Oil & Gas tank level remote monitoring



- Tank Monitoring
- Minimum / Supermin Alarms
- Tank Geolocalization
- Refilling Alarm
- Universal Multi-Operator Carriers
- Universal Dial Pluggable
- Rugged, all Wheater Construction

LIFE TIME	> 10 YEARS*
HAZARDOUS AREA	ATEX Zone Ø: ⓂII 1 G Ex ia IIB T2 Ga
TECHNOLOGY	2G / 4G / NB-IoT / LTE CAT M**
WATERPROOF & PROTECTION	IP68 IK08
TEMPERATURE WORKING RANGE	-40 °C +70 °C
ACCURACY	< 1%
POWER SUPPLY	LITHIUM BATTERY CERTIFIED ZONE Ø

* see the setup ** see the order code

Reference standards:

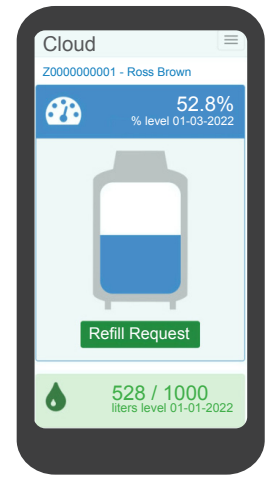
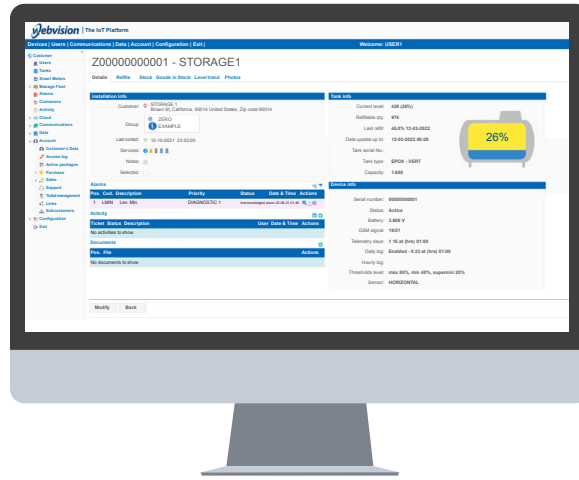
EN60950-1:2007
 EN61000-4-2:2011
 EN61000-4-3:2020
 EN 301 489-1 ver.2.2.3:2019-11
 EN 301 489-7 ver.1.3.1:2005-11
 EN 301 511 ver.12.1.10:2016-12
 EN60079-0:2018
 EN60079-11:2012

Compliant to:

Directive 2014/30/EU (EMC)
 Directive 2014/53/UE (RED)
 Directive 2014/34/UE (ATEX)
 Directive 2011/65/CE (ROHS)
 Directive 2012/19/UE (RAEE)



CLOUD AND APP




Customer description ← Customer address Current quantity ← Ullage quantity → Status

Pos	Identifier	Description	Address	Level	Capacity	Current qty	Ullage qty	Auton. Days	Services	Status	Last reading
1	Z000000800021	DESCRIPTION C	ADDRESS STREET CITY	39%	1,000	393	457	N.A.	[Icons]	[Status]	21-05-21 17:06
2	Z00000079880	DESCRIPTION C	ADDRESS STREET CITY	39%	3,000	1,173	1,377	N.A.	[Icons]	[Status]	15-06-22 00:00
3	Z00000079550	ROSS BROWN	Fulham Rd, London SW4 15S	40%	1,650	653	749	23	[Icons]	[Status]	20-06-22 14:00
4	Z000004079390	MARIO ROSSI	piazza della Libertà, 32, 00149 Roma	39%	2,250	884	1,028	>60	[Icons]	[Status]	15-06-22 00:00

Device serial number → Last level read ← Capacity ← Services → Last reading date ←

Customer estimation profile for next ullage ←

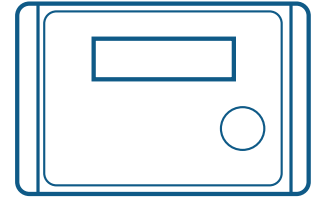


SAP
Smart Artificial Profiling

LPG				ORDER CODE
	Remote Control unit for Horizontal / Vertical LPG tank Iron bracket for mechanical interface to standard dial included Universal multi operator carriers build-in Multi cellular network ready for use	INTEGRATE	NB-IoT	TL.014.500
		INTEGRATE	2G/4G	TL.014.502
		EXT ANT	NB-IoT	TL.014.501
		EXT ANT	2G/4G	TL.014.503

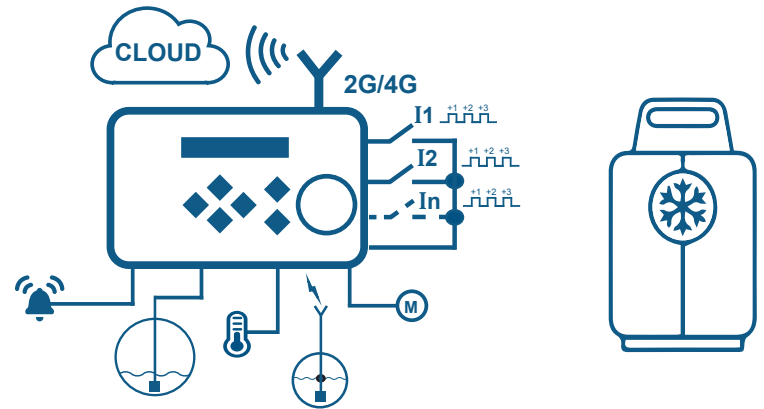
OIL / DIESEL / AdBlue				ORDER CODE
	Remote Control unit for Horizontal / Vertical OIL / DIESEL tank G1 1/2 Gauge and dial included, for tank max 250cm H Universal multi operator carriers build-in Multi cellular network ready for use.	INTEGRATE	NB-IoT	TL.014.510
		INTEGRATE	2G/4G	TL.014.512
		EXT ANT	NB-IoT	TL.014.511
		EXT ANT	2G/4G	TL.014.513

SPARE PARTS					ORDER CODE
ROCHESTER® DIAL		DIAL + Adapter for Rochester® Junior level gauge	JUNIOR	HORIZ	SC-020/02.01
			JUNIOR	VERT	SC-020/02.02
		DIAL + Adapter for Rochester® Senior level gauge	SENIOR	HORIZ	SC-020/02.03
				VERT	SC-020/02.04
		Adapter for Rochester R3D DIAL			SC-020/02



RAD

Remote Control Unit



- Depot Tank Monitoring
- Temperature / Flow / Pressure
- Industrial Gas Meter Reading
- Flow Computer Features
- Universal Multi-Operator Carriers
- Event Log

LIFE TIME	> 10 YEARS*
HAZARDOUS AREA	ATEX Zone 0: ⓂII 1 G Ex ia IIB T2 Ga
TECHNOLOGY	2G / 4G / NB-IoT / LTE CAT M**
WATERPROOF & PROTECTION	IP68 IK08
TEMPERATURE WORKING RANGE	-40 °C +70 °C
ACCURACY	< 1%
DIGITAL INPUT	4x PULSE / ALARM
ANALOG INPUT	2x 4-20 mA 0-10 V

* see the setup ** see the order code

Reference standards:

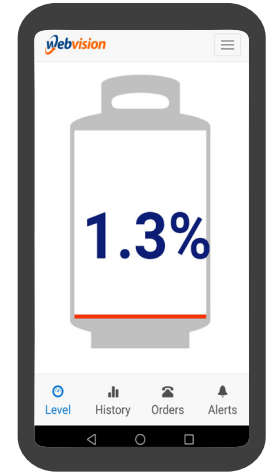
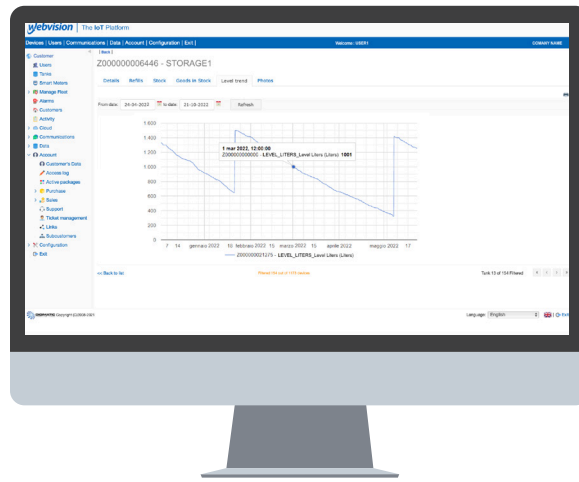
EN 60950-1
EN 301 489-1
EN 301 489-7
EN 301 511
EN60079-0
EN60079-11

Compliant to:

2014/34/UE (Atex)
2014/30/UE (EMC)
2014/53/UE (RED)
2014/35/EU (Low Voltage)
2011/65/CE (RoHS directive)
2012/19/CE (RAEE directive)



CLOUD AND APP



Z000000069064 - RAD - R1P

Details Stock Goods in stock Sampling Consumption Daily Consumption Weekly Consumption Refills Photos

From date: 2022-05-30, 16:02:00 To date: 2022-06-12, 16:02:19 Run Query

Day	Min	Max	Last Value	Consumption	Refill
2022-06-11	82.3 %	82.3 %	82.3 % (At 00:00)	0.7 %	-
2022-06-10	83.0 %	83.0 %	83.0 % (At 00:00)	0.3 %	-
2022-06-09	83.3 %	83.3 %	83.3 % (At 00:00)	0.0 %	-

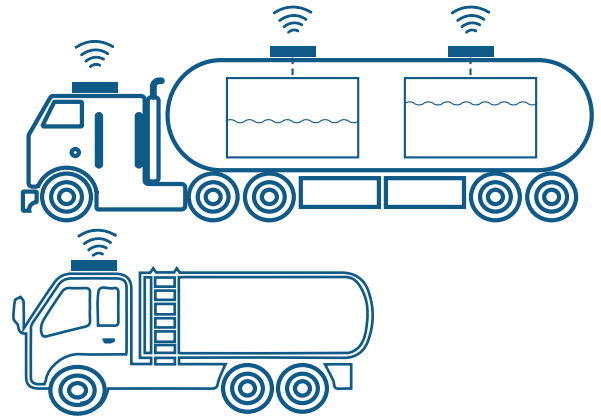
OIL / GAS / CHRYOGENIC / LNG / CNG		ORDER CODE
	RAD Control unit 2x4-20mA - 4x Digital input Optical port + RS485 Display LCD - Battery powered - IP68	TL.014.400
	RAD Control unit 2x4-20mA 4x Digital input Optical port + RS485 Display LCD - 80-260Vac - IP68	TL.014.401

SPARE PARTS		ORDER CODE	
	High accuracy piezoresistive level probe, Hydrostatic pressure measurement principle Intrinsically safe for use in explosive environments. Suitable for fuel or other liquid tanks: Diesel, Oil, Water, Blue Diesel Accuracy $\pm 0,25\%$ FS Total error band $\pm 0,5\%$ FS @ 0...50 °C 4-20mA 2 wires Hytrel, 8-28Vdc Power, 3 meter measure, cable 5 meters *other lenght under request	AC.070.005	
	Level Probe 0 - 2.8V for horizontal and vertical LPG Tank 3 m cable (for Cotrako® dial only)	AC.070.007	
	Piezoresistive Pressure Transmitters, Absolute, barometric, gauge. Relative Pressure measure* Accuracy $\pm 0,25\%$ FS Total error band $\pm 0,5\%$ FS @ 0...50 °C 4-20mA 2 wires Hytrel, 8-28Vdc Power, 10 meters cable, connection G1/4" *other pressure range under request	*0-100 mBar	AC.070.011
		*0-1 Bar	AC.070.012
ROCHESTER® MAGNETEL		4"	AC.070.013
		8"	AC.070.014



GPS-TWO

Fleet Remote Control



- **Asset Tracking**
- **Accurate Download Monitoring**
- **Delivery Planning**
- **Flow Computer Interface**
- **Universal Multi-Operator Carriers**
- **Delivery Cost Reduction**

UPGRADE POSITIONING	EVERY 30 SEC
DIGITAL INPUT	1 x REED PULSE FROM DELIVERY METER 1 x ON/OFF PUMP
ANALOG INPUT	1x BOBTAIL TRUCK LEVEL
TECHNOLOGY	2G / 3G / 4G
POSITIONING	GNSS POSITIONING BY GPS / GLONASS / GALILEO

Reference standards:

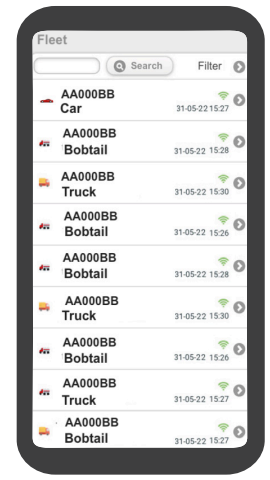
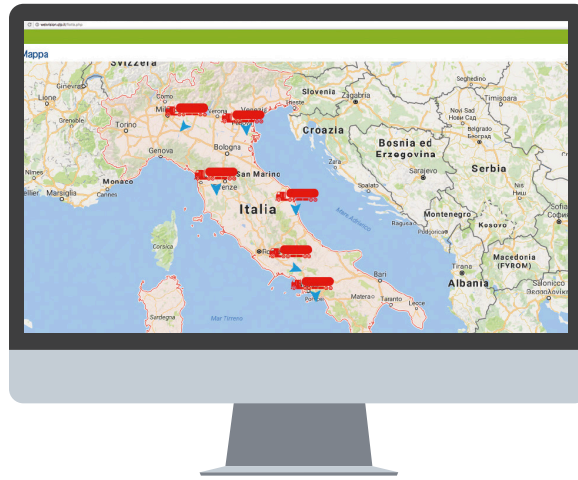
EN 60950-1
EN 301 489-1
EN 301 489-7
EN 301 511
EN60079-0

Compliant to:

2014/30/UE (EMC)
2014/53/UE (RED)
2014/35/EU (Low Voltage)
2011/65/CE (RoHS directive)
2012/19/CE (RAEE directive)



CLOUD AND APP



DEVICE PLATE	STATUS
1 XX000XX TRUCK	
2 XX000XX TRUCK	
3 XX000XX TRUCK	
4 XX000XX TRUCK	
5 XX000XX TRUCK	
6 XX000XX TRUCK	
7 XX000XX TRUCK	
8 XX000XX TRUCK	
9 XX000XX BOBTAIL	
10 XX000XX BOBTAIL	
11 XX000XX BOBTAIL	
12 XX000XX BOBTAIL	
13 XX000XX BOBTAIL	
14 XX000XX CAR	
15 XX000XX TRUCK	

Date	Time	Travel	Travel Time	Break Time	Drain	Km	Drain QNT	Customq
31/05/2022	06:54	Travel	0h:9'			0,1		
31/05/2022	06:55	Stop	0h:19'			0,0		
31/05/2022	06:54	Travel	0h:0'			0,0		
31/05/2022	06:55	Stop	0h:14'			14,9		
31/05/2022	07:59	Travel	0h:17'			0,1		
31/05/2022	07:27	Stop	0h:3'			0,1		
31/05/2022	07:30	Travel	0h:5'			0,1		
31/05/2022	07:36	Stop	0h:23'			13,7		
31/05/2022	07:59	Travel	0h:7'			0,1		
31/05/2022	08:07	Travel	0h:7'			4,1		
31/05/2022	08:14	Stop	0h:9'			0,4		
31/05/2022	08:24	Travel	0h:7'			5,4		
31/05/2022	08:32	Stop	0h:5'			0,4		
31/05/2022	08:37	Travel	0h:23'			13,9		
31/05/2022	09:01	Stop	0h:1'			0,4		
31/05/2022	09:02	Travel	0h:2'			0,4		
31/05/2022	09:04	Stop	0h:0'			0,0		
31/05/2022	09:11	Travel	0h:21'			15,7		

GPS TWO	ORDER CODE
<p>GPS vehicle asset tracking device 8-30Vdc 3/4G technology and battery backup Integrated GPS antenna + GSM external antenna</p>	TL.014.400

SPARE PARTS		ORDER CODE
<p>ROCHESTER® MAGNETEL</p>	<p>Magnetostrictive Magnetel Dial with voltage output interface for remote fuel level monitor Suitable for retrofit on existing vessels installation or new Magnetel gauges</p>	4" AC.070.013
		8" AC.070.014
	<p>Explosion Proof Wired Magnetostrictive Level Gauge Stainless steel AISI303 Explosion proof construction, Exd brass nickel coated 1/2" NPT cable gland Power supply 12-30 VDC - RS485 N. 2 stainless steel AISI 316 expanded NBR floats ø 45/50 mm Accuracy: ± 0,5mm, Resolution: ± 0,05 mm</p>	Contact Sales department for Order Code



SMART GAS METER



- Real Time Gas Consumption
- Remote Valve Management
- Prepay / Postpay
- Automatic Billing Management
- Universal Multi-Operator Carriers

CLASS RANGE	DOMESTIC	COMMERCIAL
	G4	G10 - G16 - G25
	ATEX ZONE 2	ATEX ZONE 1
MEASURE TECHNOLOGY	DIAPHRAGM TEMPERATURE & PRESSURE COMPENSATION	
MAX WORKING PRESSURE	0,5 bar	
SHUT OFF VALVE	INTEGRATED*	
TEMPERATURE WORKING RANGE	-25 °C +55 °C	
WATERPROOF PROTECTION	IP65	
TECHNOLOGY	2G / 4G	

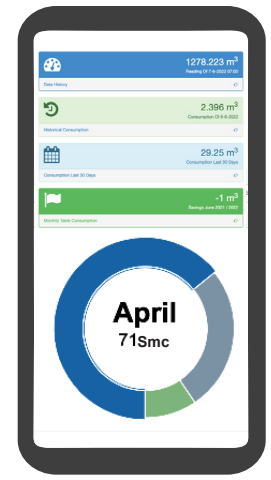
*only for domestic

Reference standards:

MID, Atex Zona z, EN 1359, EN 12405-01, EMC, ARG/GAS 631/13 (Ex/155/08) - UNI/TS 11291



CLOUD AND APP



General Data Graphics Photos Advanced

PDR 10022X - 10022X_ROSS BROWN

From date: 09-05-2022 to date: 08-06-2022 Refresh Export...

Counters

Tot. corrected volume: **00000027.526** Smc
Reading date & time: 07-06-2022 06:32

Device status





Battery life: **5653** days
Battery life 2: **5643** days

Valve management

Valve status: **Open**

At the next connection: **Do not change**

Last modification user: **Do not change** 6-2022 14:09:30

DOMESTIC / COMMERCIAL SMART METER			ORDER CODE
 <p>SMART METER G4 - 1"1/4x110mm <i>V=1,2 dm³ Q=0,04÷6m³/h</i> Optical interface for configuration Integrated digital temperature and pressure sensor Shut Off valve integrated, MAX working pressure 0.5bar</p>	G4	2G	TL.016.200
		NB-IoT	TL.016.201
 <p>SMART METER GSM G10 - 1"1/4x250mm <i>V=5,6dm³ Q=0,10÷16m³/h 1T 1P</i> Optical interface for configuration Integrated digital temperature and pressure sensor MAX working pressure 0.5bar</p>	G10		TL.016.400
 <p>SMART METER GSM G16 - 2"x280mm <i>V=5,6dm³ Q=0,16÷25m³/h 1TT 1PP</i> Optical interface for configuration Integrated digital temperature and pressure sensor MAX working pressure 0.5bar</p>	G16		TL.016.410
 <p>SMART METER GSM G25 - 2"1/2x335mm <i>V=12dm³ Q=0,25÷40m³/h 1T 1P</i> Optical interface for configuration Integrated digital temperature and pressure sensor MAX working pressure 0.5bar</p>	G25		TL.016.420



Remote monitoring solutions for OIL&GAS

CT012_ED_7_rev0_en_06_2022

TELEMETRY & ENERGY



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TELEMETRY AND ENERGY

HITEKS powered by
Shitek Technology S.r.l.

Via Malerbe,3 - 36040
Grumolo delle Abbadesse (VI) - Italy
T. +39 0444 1800191
F. +39 049 7960910
www.shitek.it
info@shitek.it

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