

The background image is a composite of two scenes. On the left, there are several large, white, cylindrical industrial storage tanks with metal ladders and railings, set against a clear blue sky. On the right, there is a gas station at night, illuminated by overhead lights, with several fuel pumps and a car parked at one of them. A dark blue diagonal shape separates the two images.

It's all about (wireless) connection.

Introducing the redesigned VISY-RF Wireless System

FAFNIR's VISY-X tank gauging system is known for its intuitive dashboard, providing connected, real-time data on everything happening in your tanks. The VISY-X system brings efficiency, value and safety to your business.

It all can be done wirelessly, too – use *VISY-RF system* wherever it's not possible or too costly to route cables.

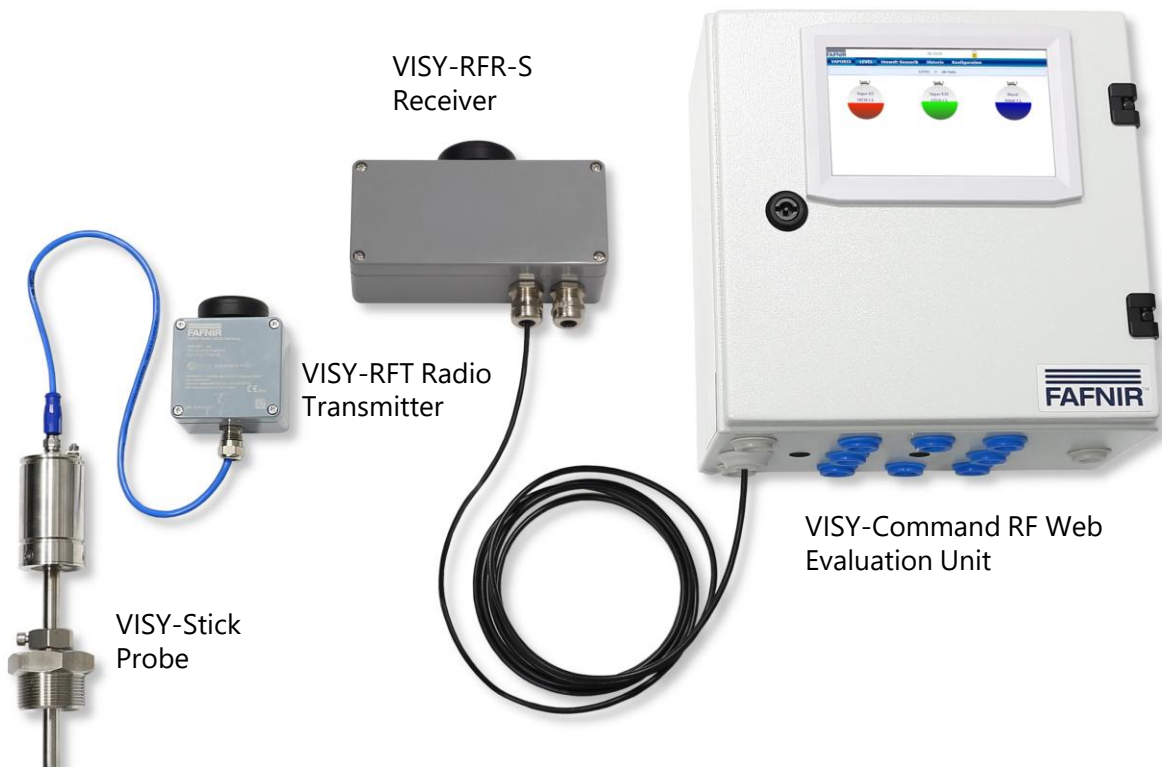
It's now more convenient than ever.

The System

The radio frequency transmitter of the VISY-RF system transmit the readings of VISY-Stick probes mounted in tanks and of the VISY-X environmental sensors wirelessly. The readings received by the VISY-RFR-S receivers are forwarded to VISY-Command RF evaluation unit.

What's new

The redesigned wireless system works within three different frequency ranges – set it as you need it and cover everywhere in the world with one receiver and transmitter set.



Why VISY-RF

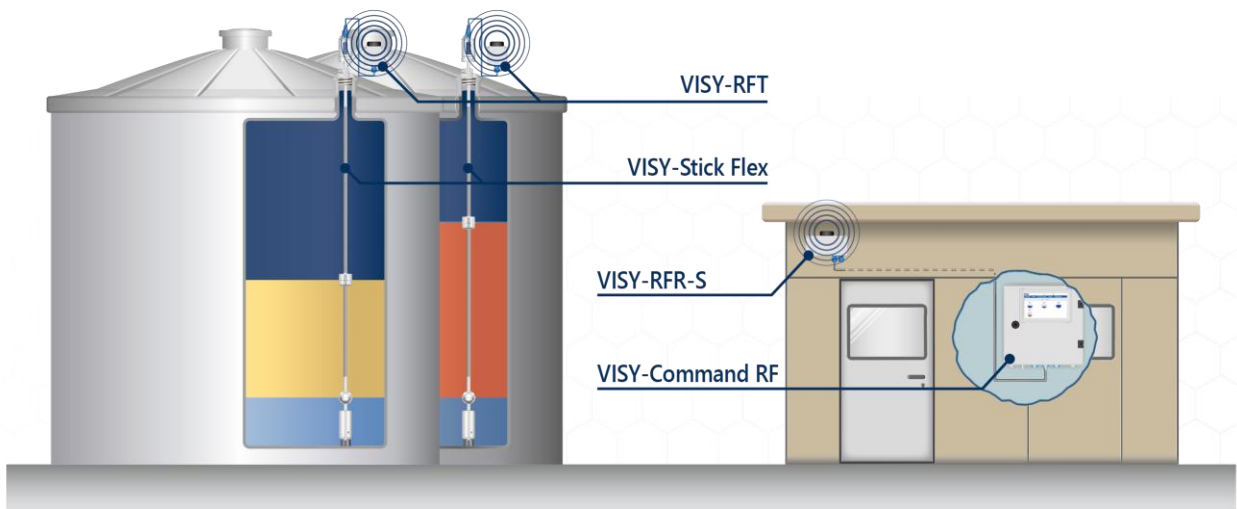
- Simple to install and configure
- Compatible with most VISY-X components
- High level of data availability
- Long battery life
- Universal solution covering three frequency ranges
- Transmission range > 250m line of sight
- From a trusted, long-time expert

Applications

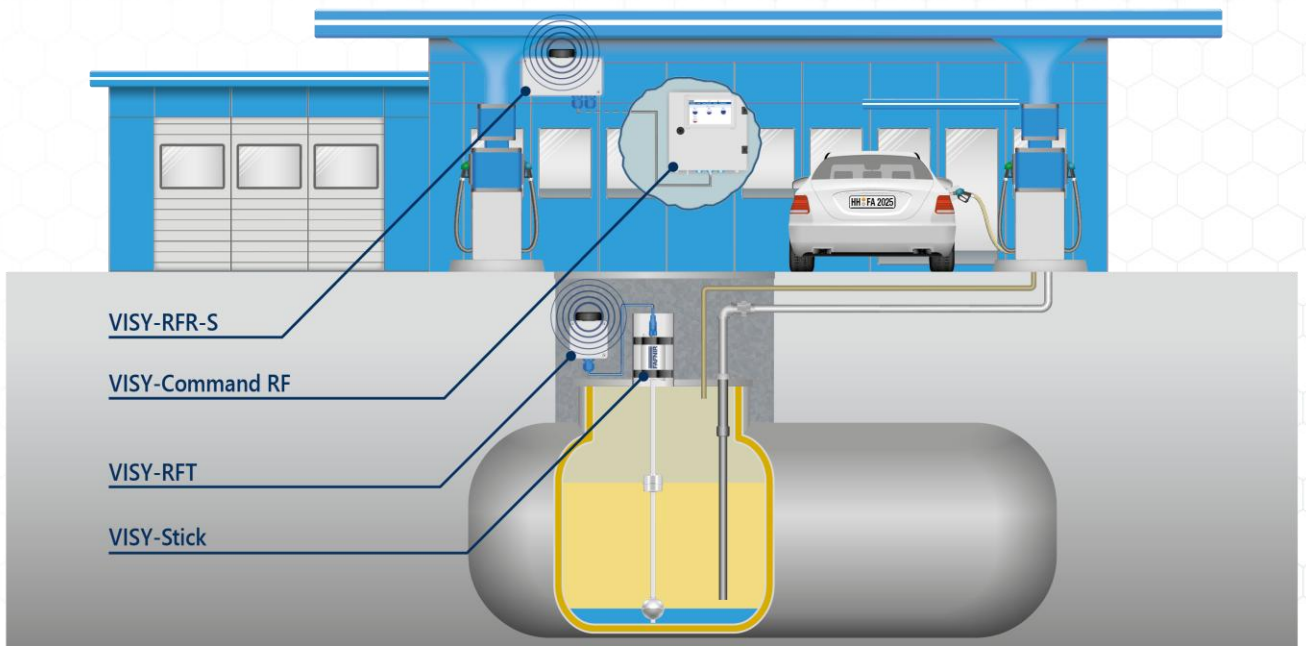
VISY-RF can be used with our ATG system on petrol sites or depots where wireless offers ease, convenience, and value.

- No excavation work required
- All below and above ground storage tanks
- Anywhere, with one/two receivers and up to 16 transmitters

Tall tank depots



Petrol stations



VISY-Command RF / VISY-Command Web RF	
Dimensions	H 300 x W 300 X D 125/175 [mm]
Casing protection	IP20
Weight	6.7 kg
Ambient Temperature	0 °C to +40 °C
Power Supply	230 V _{AC} ±10 %, approx. 50 VA
Display	7" TFT touch screen
Number of probe/sensor connections	16 (max.)
Host Interface	Screw terminal (RS-232/RS-485)
Service Interface	9-pin D-Sub socket (RS-232)
Extension Interface	Screw terminal (RS-485)
<ul style="list-style-type: none"> • VISY-TDD Truck Driver Display • FLD Ex d Display for LPG tanks 	Optional Optional
VISY-ICI 485 Module	Optional
<ul style="list-style-type: none"> • VISY-Output (relay outputs) • VISY-Input (digital switch inputs) 	Optional Optional
Printer	Optional

General

Frequencies	868 MHz 915 MHz 922 MHz
Signal path (line of sight)	Max. 250 m

VISY-RFT-L Radio transmitter

Radio power output	+15 dBm
Antenna	Puck-Antenna
Battery pack	Lithium
Battery capacity	19 Ah
Battery life (Extended lifetime at 20 °C ambient temperature and average tank filling of 30 minutes/day)	4 years (5 minutes mode) 2 years (1 minute mode)
Battery article number (spare part)	900095
Dimensions	80 x 82 x 55 [mm]
Protection class	IP67
Operating temperature range	-40 °C to +60 °C

VISY-RFR-S receiver

Sensitivity	-120 dBm
Antenna connection	Puck-Antenna
Supply voltage	12 V _{DC}
Compatibility	Master-Slave connection VISY-RFR-S and VISY-RFR-D Master-Slave connection with 2 VISY-RFR-S



About FAFNIR

Expertly engineered level sensors and systems

We are specialists in the development and manufacturing of the highest quality precision sensors and systems for monitoring and measuring fill levels.

Fafnir products can be used in various applications in the petrochemical and process automation industries.

Headquartered in beautiful Hamburg, Germany, we collaborate through global partnerships with various companies and service partners worldwide.

