



# DYNAMIC INVENTORY FOR TANKS

Tools for the efficient management of tank inventory.  
Reduce the differences and avoid product losses, product missing, or immobilized.



acuraflow®



# The way to better business

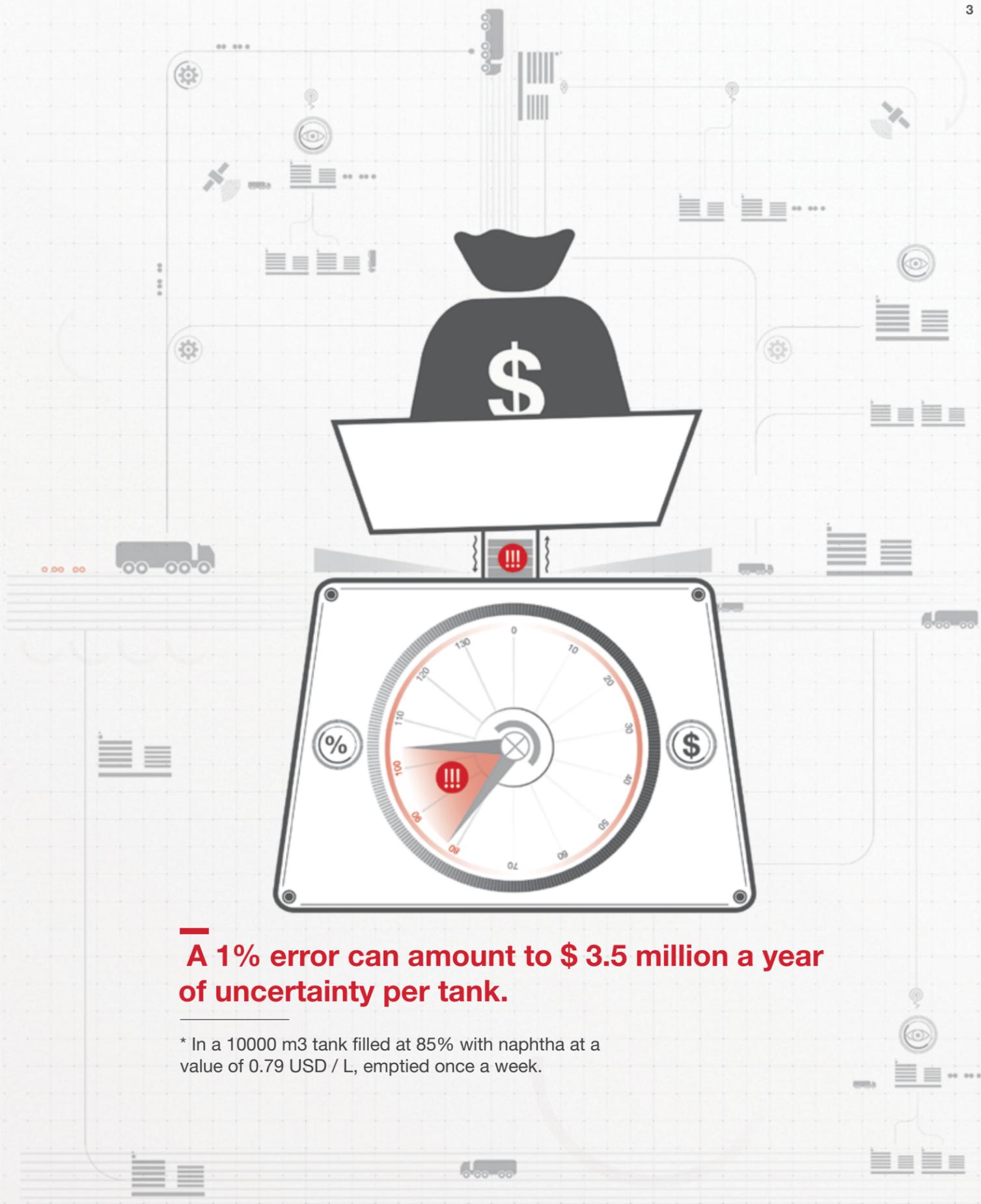
When receiving, storing or dispensing valuable liquids, lack of accuracy is very costly. In this industry, profit margins are minimal, and the most effective way to quickly improve those margins is to reduce inventory and transfer errors.

Achieve the best control and accuracy, using an integrated system, to detect differences at the time they occur, and take immediate action.

**To achieve inventory differences of less than 0.5%, sensors with accuracy better than 0.1%**

The cost of an accurate inventory measurement system is minimal in relation to the value of the product to be controlled. If you weigh millions of dollars, would you spare the cost of the balance?

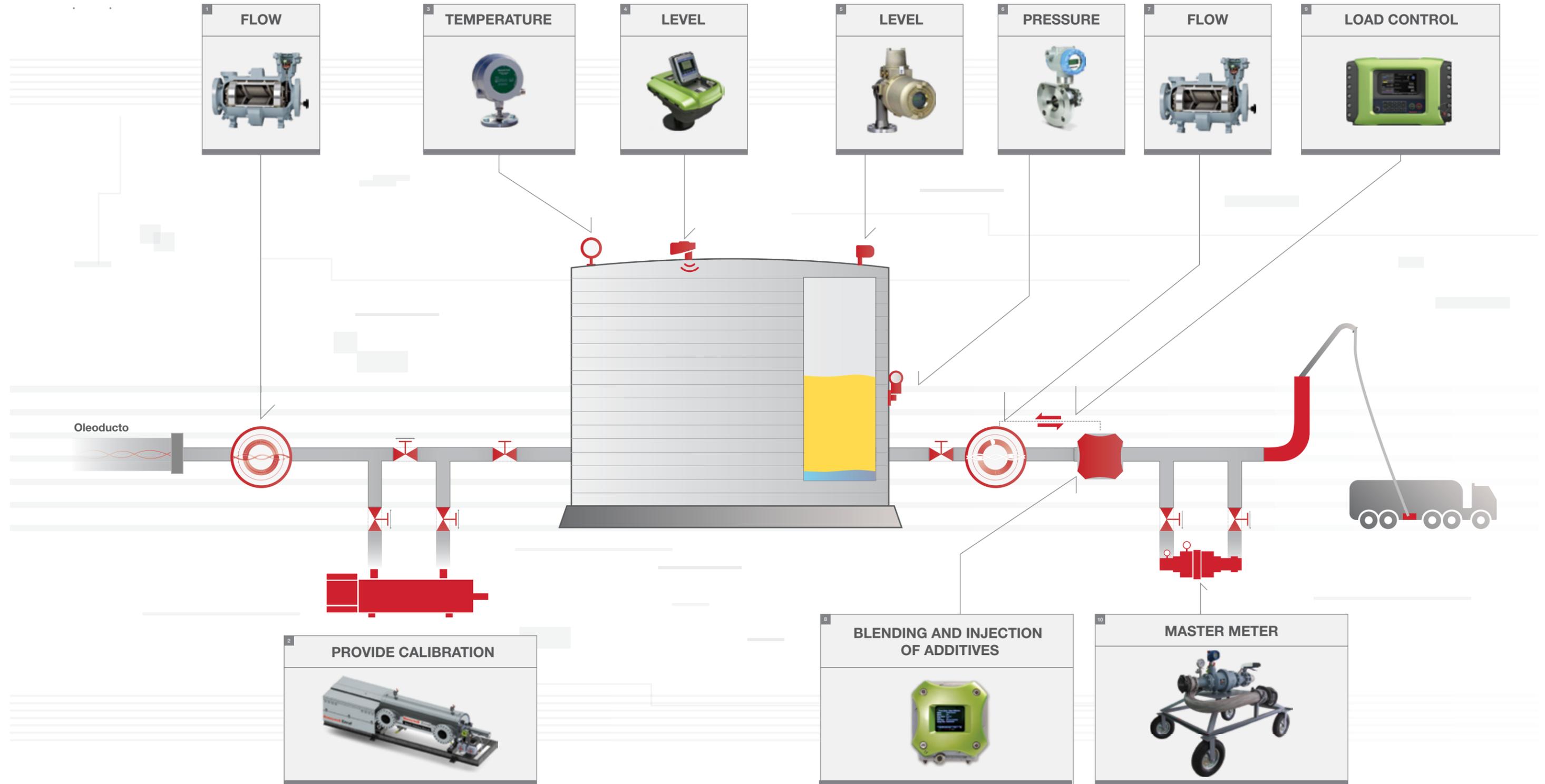
Our accurate volume and flow metering systems prevent missing and surplus, as well as preventing theft and overfilling.



**A 1% error can amount to \$ 3.5 million a year of uncertainty per tank.**

\* In a 10000 m<sup>3</sup> tank filled at 85% with naphtha at a value of 0.79 USD / L, emptied once a week.

# Control from reception to dispatch



# A response for every need

We know that each case requires a different analysis. Our experts can help you choose the best solution, whether it is a tank, or a park of dozens of tanks.

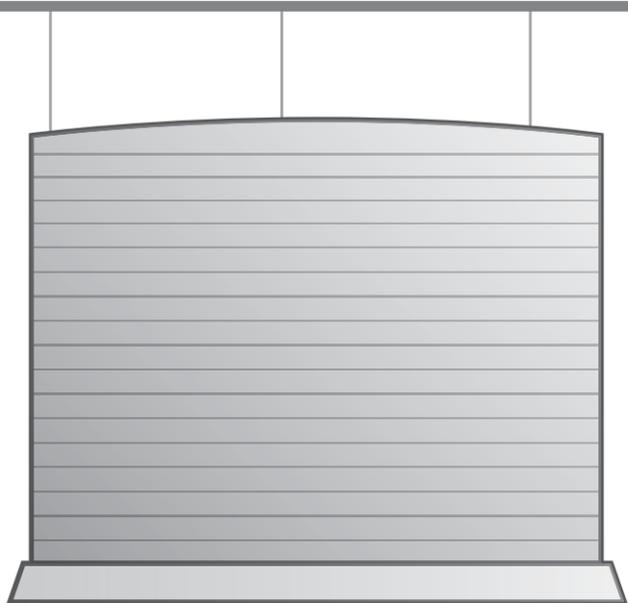
At the same time, we have the tools to achieve the level of accuracy you need, from Custody Transfer to applications where high precision is not a necessity.

## Large tank

SERVO

AVERAGE TEMPERATURE

WIRELESS RADAR



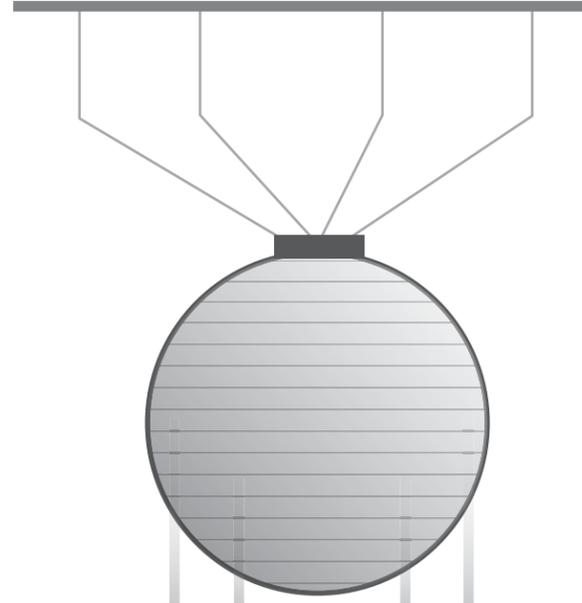
## Sphere

SERVO

PRESSURE

AVERAGE TEMPERATURE

WIRELESS RADAR



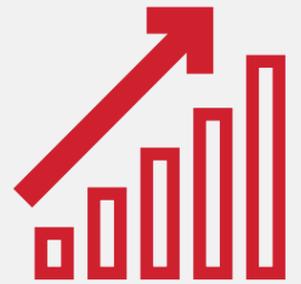
## Continuous improvement

Making a complete initial diagnosis, together we will prepare the plan that best suits the requirements of your business.

The objective is to make the necessary adjustments that generate the best control with the lowest investment.

Whatever solution you choose, we want to accompany you in your improvement process.

We can integrate your existing instruments into the new solution.



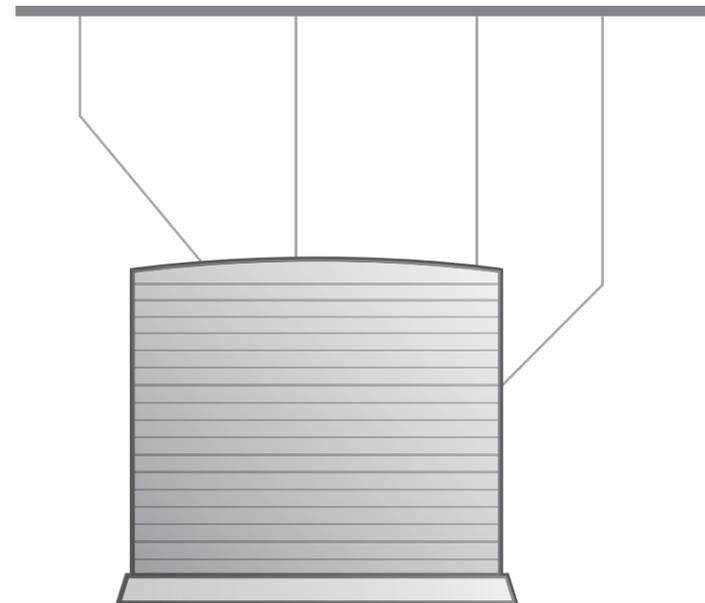
## Medium tank

PROCESS RADAR

MAGNETOSTRICTIVE

REVERSED SCALE

PRESSURE

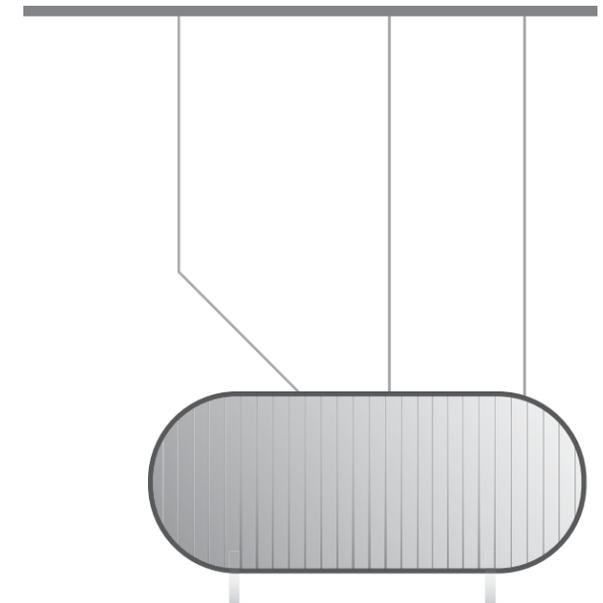


## Tank boy

MAGNETOSTRICTIVE

MAGNETIC INDICATOR

MAGNETIC CONTROL





## Accurate Measurements

### 0,4 mm

Telemetry with servo or radar, with up to 0.4 mm precision.

### 0,075%

Get up to 0.075% accuracy in flow measurements.

## Exact Volume Calculations

Calculate net volumes and accurately corrected by combining level, temperature and pressure sensors.

## Do not overpay, or charge less

Count to the last drop. Do not overpay for products received.



## Predictable actions

### Without missing of product

We can predict how many inventory days remain and when is the best time to place orders.

### Static loss detection

Detect losses quickly to minimize impact and prevent contamination.



## Greater efficiency

### Real Time Control

Control the tanks in real time, achieving a better use of tank capacity.

### Optimize step by step

Install new equipment or replace older instruments, programmed and without large initial investments, and with a faster installation.

### Shorter downtime

Information to manage more efficient operations.

### Maintenance

We provide calibration, repair, corrective and predictive maintenance services that ensure precision and long-term operation of your equipment.



## Smart Operations

### Wireless

Wireless technology to reduce installation times, avoid costly construction and avoid obstacles.

### Internet of things

All the information in the cloud to be able to access it anytime, anywhere. RSA encryption and VPN and SSL / TLS protocols are used to ensure data security. We can monitor your equipment from our control room to verify correct operation and detect faults instantly.



# Convert data into knowledge

Get accurate inventory data at all times with our inventory management software, which has the tools to improve operations efficiency and protect investments while reducing costs. Control from a single tank to more than 250 tanks, in multiple locations and with a variety of sensors and interfaces.

By applying the Internet technologies of the Things, all the information is stored in the cloud in a safe way to be analyzed and detect possible inconsistencies instantly, auditing operations at all times. Data can be accessed anywhere, even from a cell phone.

## Powerful, precise and easy to use.

Open connectivity for multiple protocols allows integration with existing field equipment.

Planning operations and use of resources.

Ideal for use in custody and accounting transfer.

Easily adaptable to operator needs.

Prevention of overfills and loss detection.



# Services

We offer complete consulting, design, engineering, installation, and commissioning services to provide the solutions that best fit your needs. All our solutions have complete services from field installation to automation.

We support our customers with ongoing support, immediate availability, and cooperation with local staff. In addition, we have an extensive training program, in the field or in our offices.



Consultancy



Design



Engineering



Installation



Start up



<b>Improve the quality of your processes</b>
Avoid product losses, knowing exactly the volume delivered for sale.
Minimize risk of damage to equipment and facilities.
Increase the security of your operations.

# Calibration

Once the equipment is installed, protect your investment with our calibration, maintenance and repair services, which ensure the precision and long-term operation of your equipment.

Our high-capacity calibration laboratory allows us to offer complete testing under real operating conditions, and we have master meters and small volume provers for field calibration.



Calibration



Maintenance



Repair

<b>Calibrate your instruments periodically</b>
Ensure accurate measurements.
Meet quality requirements and standards.
Get traceability of your measurements to the appropriate calibration standard.

# We offer a wide range of measuring instruments and software, for a solution tailored to your needs.

Honeywell  
**Flexline Radar**



Honeywell  
**854 Servo**



Honeywell  
**VITO MTT**



Honeywell  
**SLG 700**



Bruno Schillig  
**CMN**



Bruno Schillig  
**IMN**



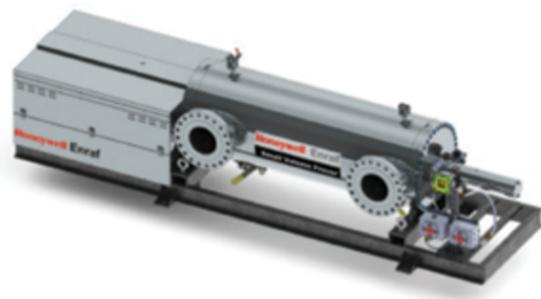
Fafnir  
**Level sensors**



Honeywell  
**Optilevel**



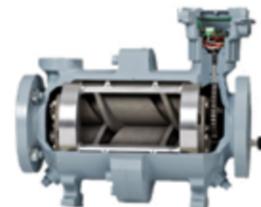
Honeywell  
**SVP**



Oneclick eBusiness  
**ProfitFoster**



Brodie  
**BiRotor**



Honeywell  
**MSC-L**



Honeywell  
**CIU 888**



Honeywell  
**ST 800**





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MOVING FORWARD

[www.acuraflow.com](http://www.acuraflow.com)

**Santiago de Chile, Chile**

+56 2 2979 7957

+54 11 47301100

**Santa Cruz, Bolivia**

+54 11 47301100

+56 2 2979 7957

**Montevideo, Uruguay**

+54 11 47301100

+56 2 2979 7957