



## Remote Asset Monitoring

# Remote Tank Monitoring And Change-over

Solutions to better monitor inventory levels in tanks, optimize logistics for refilling effort and improve user satisfaction levels.

### Benefits

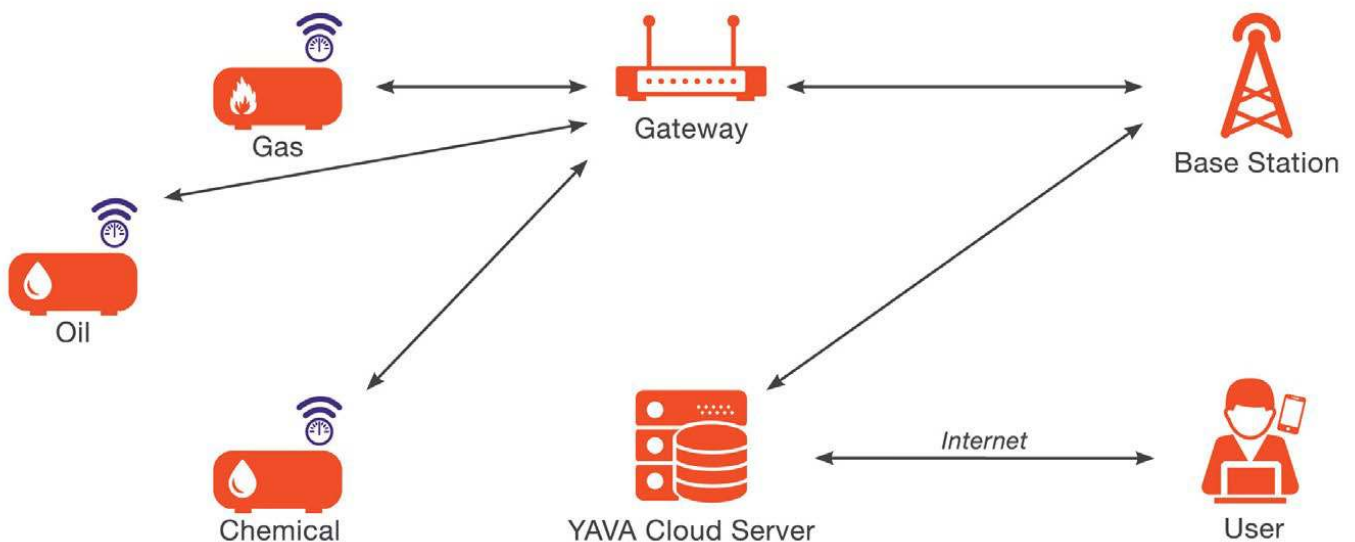
#### For the user

- Eliminate manual tank level read-outs.
- Understand consumption profiles, prevent inventory run-outs.

#### For the supplier

- Visualize re-fill demand, reduce logistics costs
- Proactive customer service, increase user satisfaction.

### System Architecture



### Tank Level Monitoring

- Sensors fitted to tanks send inventory level data to an off-site server via a gateway.
- View data via YAVA cloud software – all you need is an internet connection.
- Receive notifications of user-specified re-fill

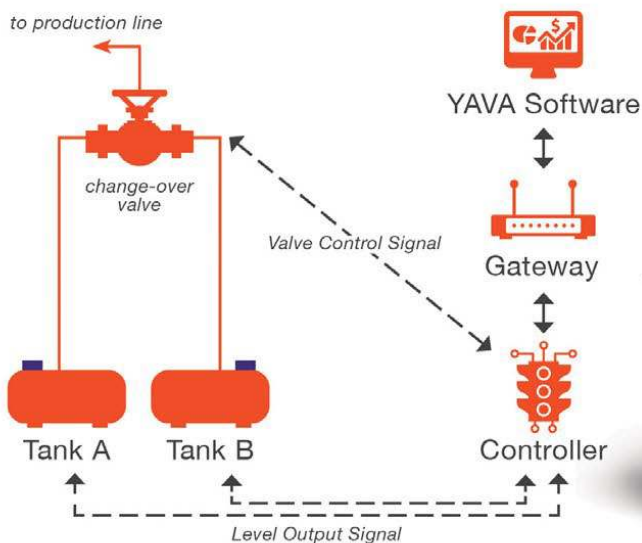
trigger levels via SMS/Email.

- Several tanks in close proximity can be served by 1 gateway (reducing installation costs).
- Wireless system architecture can be deployed reducing installation costs.



### Change-over Valve Monitoring and Control

We also offer complementary solutions to automate change-over valve switching based on user requirements. Change-over valve position can also be viewed through our YAVA cloud software and alerted through SMS.



### Who uses it?

- **End-users** - improve inventory and procurement management.
- **Route planning and logistics departments** - use data to optimize delivery planning and routes. Reduce logistics costs and carbon footprint.
- **Customer service departments** - proactively contact customers with low inventory levels for re-fill orders. Data can also be used to automate ordering processes.
- **Accounting departments** - quickly determine exact inventory in tanks. Data can also be exported to ERP / accounting software.

## YAVA CLOUD SOFTWARE

### Features

- convenience of web-accessibility, all you need is an internet connection.
- subscription based, i.e. license-free software without the risk of software obsolescence.
- view data obtained automatically from site.
- generate data or consumption reports in daily, monthly, annual or custom intervals.
- alerts can be notified through SMS and email.

### Cost-effective remote monitoring solution

- wireless systems are deployed where possible, thus reducing cost and inconvenience of wired installations.
- no capex costs for software development, licenses, upgrades or database.
- no maintenance and hosting costs for dedicated servers.
- no need for headcount to maintain installed instruments – our field engineers will do this for you.



### WHO WE ARE

Founded in 1988, we exist to help our customers:

- **PROTECT LIFE & ASSETS**
- **OPTIMIZE RESOURCE USAGE**
- **SUSTAIN THE ENVIRONMENT**

We have a heritage in providing innovative solutions and uncompromising support to a wide base of commercial and industrial customers. This is coupled with our application and engineering expertise that allow us to customize solutions to meet exacting requirements.



PROTECT | OPTIMIZE | SUSTAIN

### Singapore MINERVA INDUSTRIAL & TRADING PTE LTD

180 Paya Lebar Road,  
#07-04  
Yi Guang Factory Building,  
Singapore 409032

t. +65 6848 5155

f. +65 6848 5455

e. sales@minerva-intra.com

### Malaysia INDUSTRIAL MINERVA SDN BHD

F-11-1, Block F, Jalan PP25,  
Putra Walk, Taman Pinggiran  
Putra, Seksyen 2, Bandar Putra  
Permai, 43300 Seri Kembangan,  
Selangor D.E. Malaysia

t. +603 8941 6095

f. +603 8941 6096

e. sales.my@minerva-intra.com

[www.minerva-intra.com](http://www.minerva-intra.com)