



**PETROLIMEX INFORMATION TECHNOLOGY &
TELECOMMUNICATION JOINT-STOCK COMPANY (PIACOM)**

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**INTRODUCTION TO
AUTOMATION TANK GAUGE SOLUTION**

PIACOM_ATG

PIACOM_ATG





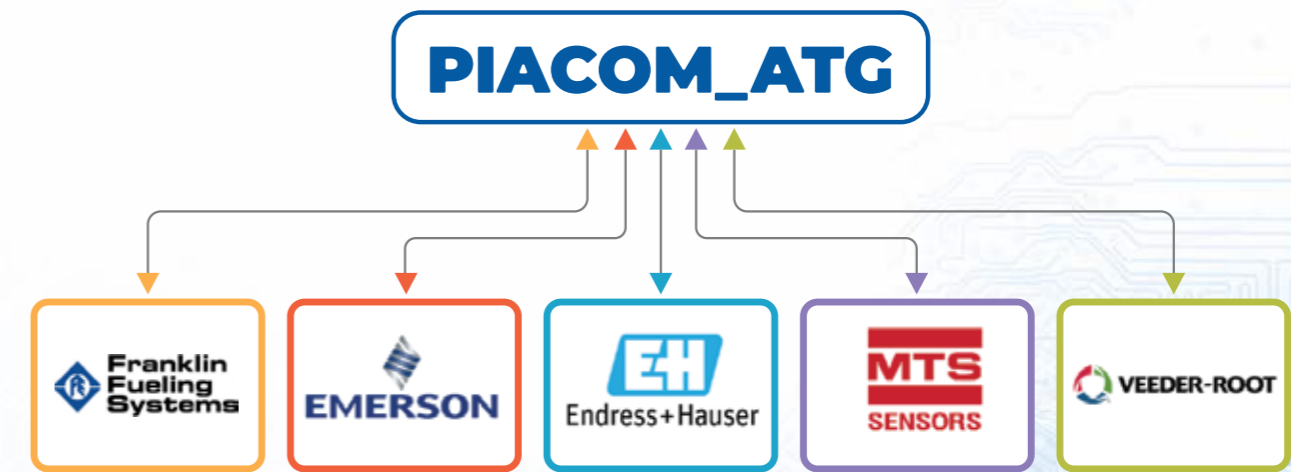
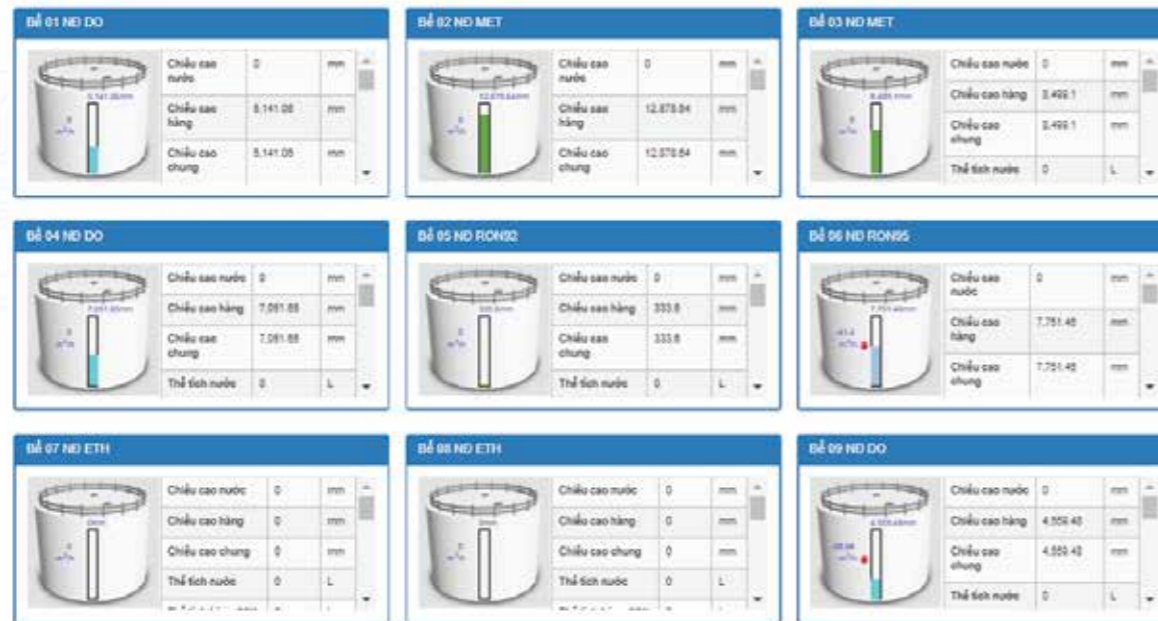
PIACOM_ATG

PIACOM_ATG - automation tank gauge solution is an effective tool for manager to supervise and dispatch the delivery at petroleum terminals. The solution is integrated with the master petroleum terminal automation solution designed and developed by PIACOM.

PIACOM_ATG IS FUNCTIONED TO

- Conduct real-time supervision for each tank and entire terminal.
- Provide accurate inventory of the tanks
- Facilitate calculations of vessel and pipeline-based fueling volume
- Facilitate calculations of releasing volume
- Assist daily tank operations
- Provide detailed report on fuel delivery/stock-in /inventory volume for management
- Provide systematic KPIs (such as turnover and efficiency of terminals/tanks, terminal-based goods percent (%))
- Raise alarm on such as high level, high-high level, low level and low-low level to help operate the system safety

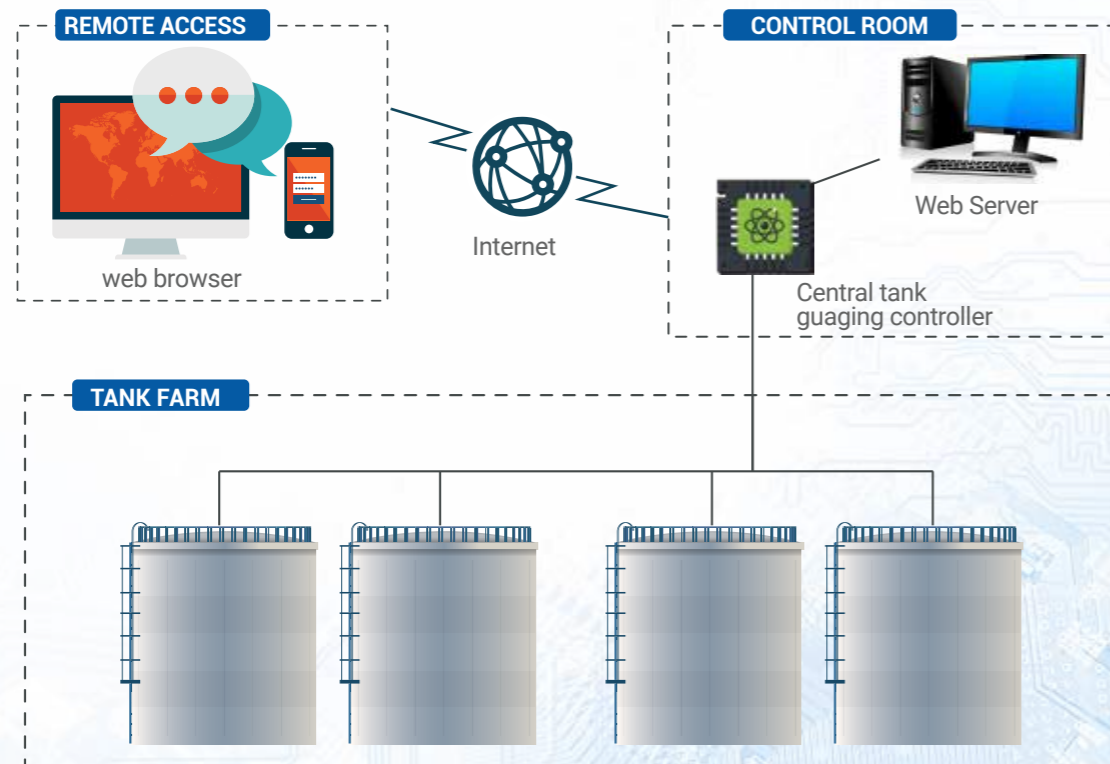
PIACOM_ATG is a high-level technical combination of the world's latest tank gauging technologies and software solution developed by Vietnamese SI: PIACOM_ATG solution is well integrated with equipment from various manufacturers:



(Graphic layout of equipment in PIACOM tank gauge solution - refer to Emerson, EH, MTS...)

OUTSTANDING ADVANTAGES OF PIACOM_ATG SOLUTION

- High accuracy gauge technology application device: Radar, Servo and Magnetostriction.
- SCADA software receives and displays the real-time data of petroleum height, water level, average temperature, volume calculation, petroleum volume converted to volume at 15°C and utility reporting system to serve for the management levels.
- The tanks are continuously supervised to release the warnings and alarms on danger status: Low, low- low, high and high-high.
- Easy Internet access with high security is available.
- Easy installation with low maintenance cost is obtained



BENEFITS OF PIACOM_ATG

- Improve production performance, replace the manual operations by automatic technology
- Improve operating safety via visual and audio alarms.
- Ensure high accuracy of gauge, accuracy level of gauging equipment: $\pm 1\text{mm}$ or $\pm 2\text{mm}$ (depending on selected device)
- Minimize adverse impact on environment and financial impacts caused by petroleum loss



PIACOM_ATG

