



**DOMIKI PROODOS S.A.**  
DESIGN & CONSULTING ENGINEERING COMPANY

# Tank Measurement Calibration

## TMC Tank Measurement & Calibration

High precision  
Fully automatic procedure  
High speed



DOMIKI PROODOS IS A MEMBER OF THE GROUP  
OF COMPANIES ALEXOPOULOS DIMITRIOS ATEKE



The company is an Accredited Calibration Body  
(accredited to ISO17025 by ESYD)

## Course And Identity

**DOMIKI PROODOS S.A** is a technical company, member of **Alexopoulos Dimitrios A.T.E.K.E Group** which is specified in construction and maintenance of gas stations since 1974. It was founded in 2006 and is specified in certain activities of the oil industry. The requirements of oil industry and gas station companies motivated **DOMIKI PROODOS S.A** to design an innovative Tank Measurement Calibration System with calibration and measurement capability (0,05%). In parallel, this need was converted to obligation, due to the implementation of the law for installing the "Gas Management" System, as well as, the demand for abidance by the law and international standards. The company is an Accredited Calibration Body (accredited to ISO17025 by ESYD).

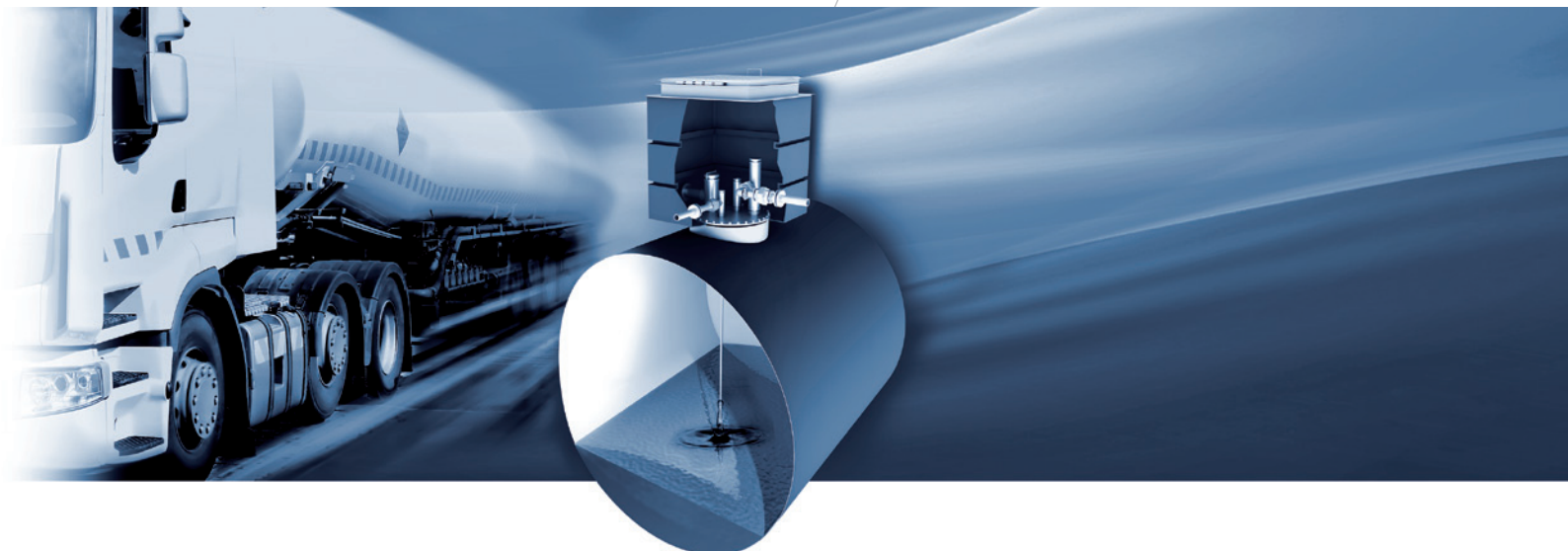
# Tank Measurement Calibration



## Tank Calibration TMC

**Based on the most sophisticated metrical equipment.**

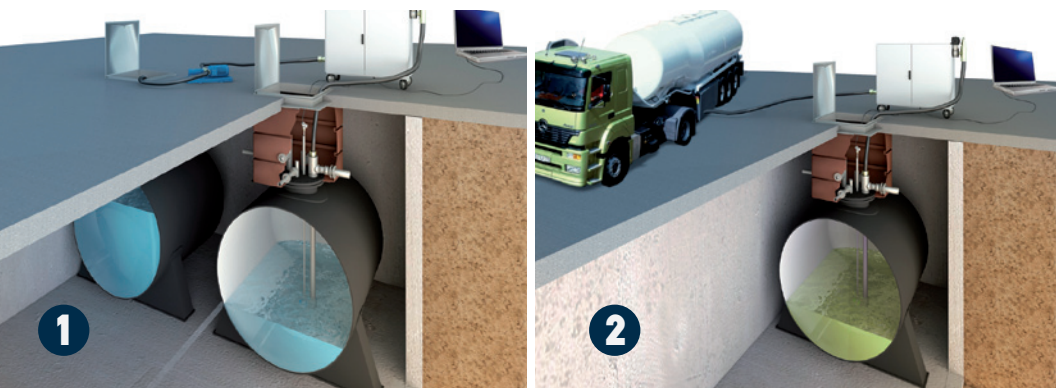
- Cutting Edge - technology flow meter indicating mass, density, temperature and volume with calibration and measurement capability  $<0,1\%$ .
- Cutting Edge - technology automatic level gauge of high precision.
- High level and scientifically engineered software.
- Fully trained and highly qualified personnel.
- Cooperation with the Hellenic Institute of Metrology for the correctness of our scientific method and results credibility.



## Tank Measurement Calibration Functionality TMC

After our arrival at the gas station, our specialized personnel secure the working site according to the proper security measures and installs TMC equipment.

The system is fully automatic and non-affected by the human factor. Subsequently, the calibration software receives, stores and analyses the data in every measurement circle.



Schematic illustration of the tank calibration process

Schematic illustration of the calibration process while filling the tank with fuel



**Data analysis is done using highly advanced mathematical models.**

The final results are stored in volumetric tables which present the correlation inside the fuel tank between volume, level per mm and calculated uncertainty.

The volumetric tables are delivered to the gas station and according to these, the manager is clearly and precisely informed of the fuel volume delivered or stored inside the tanks.

The measurements are also delivered in electronic format in order to be used by the "Gas Management" System.

The procedure is finished with the delivery of the proper accredited copper brass measurement level gauge per mm.



## Advantages

The measurements of the conventional volumetric method contain an error due to its great dependence to the human factor and the water temperature.



## Tank Measurement Calibration

The above problems are solved with the use of the TMC system which offers:

- High precision in every measurement cycle.
- Fully automatic procedure eliminating possibility of human error.
- High speed (5-7 m<sup>3</sup> per hour).
- Use of advanced mathematic models for the creation of a high precision volumetric table per mm.
- Secure work using fuel ATEX equipment.
- Calibration of underground and above-ground tanks, as well as, tanker vehicles.

## Services

Our organization and procedures enable us to complete the Tank Calibration in a short notice, without affecting the proper gas station operation.

We provide complete structure services for the installation of the "Gas Management" System such as Construction of electromechanic works, drilling on the Tank Manhole with fuel presence inside the tank and any relevant work.

In cooperation with PERIECO, member of our group, cleaning services of the gas station tanks are provided, as well as Collection and Transfer of the produced waste.



**DOMIKI PROODOS S.A.** in every step of the Tank Measurement Calibration procedure, applies Quality Management System under the terms of **ISO 9001:2008** and **ISO 17025**.



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