



## TANK STORAGE SOLUTIONS

## FERTILISER, VINASSE, MOLASSES STORAGE TANK

&gt; URBAN AND INDUSTRIAL EFFLUENTS



## APRO INDUSTRIE

For over 30 years, APRO Industrie has been designing, manufacturing and building modular bolted steel tanks, offering turnkey solutions for liquid storage.

Founded in 1987, APRO Industrie has quickly become a major international player and a trusted brand in the storage tank market.

APRO Industrie today:

- > More than 15,000 tanks in use worldwide
- > Tanks with capacities of up to 25,000 m<sup>3</sup>
- > A global expertise in liquid storage

## SOLUTIONS

Bolted steel tanks for the treatment of water and the recovery of effluents..

*Design, manufacture, building and maintenance.*

## APPLICATIONS

- > Storage of mineral fertilisers (*ammonium thiosulfate, urea ...*)
- > Storage of organic fertilisers (*protamylasse, beet juice, liquid compounds rich in potassium and organic nitrogen ...*)
- > Storage of vinasse and molasses (*from the refining of sugar beet and sugar cane ...*)

## ADVANTAGES OF THE BOLTED TANK TECHNOLOGY

- > Competitive price
- > Custom dimensions
- > Short manufacturing lead times
- > All parts manufactured in a factory-controlled setting
- > No welding on site
- > Reduced transport costs (*tanks bolted on site*)
- > Simple, fast and safe construction (*can be assembled by local workforce*)
- > Modular (*ease of disassembly, reassembly, upgrade*)
- > Low maintenance
- > Long life span

## SERVICES

Our know-how and experience is demonstrated by:

- > An integrated engineering department capable of designing our tanks for installation in any geographical area
- > An integrated production unit in complete control of the manufacturing process
- > An efficient logistical service with worldwide reach
- > A team of project managers who ensure the daily follow-up and the technical management of projects, from design to commissioning
- > Supervisors and experienced fitters who install all of our tanks in compliance with technical and regulatory requirements
- > A reliable and responsive after-sales service
- > A deep rooted QSE (*quality, security and environment*) corporate culture combined with a logic of continuous improvement
- > Global support for projects abroad

## STANDARDS

Our tanks:

- > Are manufactured according to ISO 9001 quality standards
- > Meets the standards of ISO 28765:2008, APSAD, NF EN12845, EUROCODES, AWWA...
- > Are designed to withstand climatic conditions (*seismicity, wind, snow*)

## FERTILISER, STILLAGE, MOLASSES STORAGE TANK

APRO Industrie tanks are entirely prefabricated in our factory, guaranteeing an optimal and constant level of quality.

### SHELL

- › Our cylindrical tanks consist of factory prefabricated metal sheets, delivered as a kit and bolted together on site
- › Our tanks can be constructed using galvanized, glass coated, epoxy coated or stainless steels to provide an appropriate response to each liquid stored and adapted to the environmental characteristics of the project
- › The shell is stiffened by rim angles, curved to the diameter of the tank
- › All structural elements are made of hot-dip galvanized steel

### WATER TIGHTNESS

Tank water tightness can be provided by:

- › Liner (*factory prefabricated technical membrane fitted to the tank's dimensions*)
- › Mastic sealant (*applied between sheets*)

### RETENTION

A retention ring around the tank may be provided depending on the regulation applied.

### COVERS

The cover preserves the properties of the stored liquid from light and external elements.

We provide waterproof and self-supported covers of many types: flat, conical, geodesic domes. The cover comes equipped with a lockable inspection hatch and a protective flashing all around the cover edge.

### CONCRETE SLAB

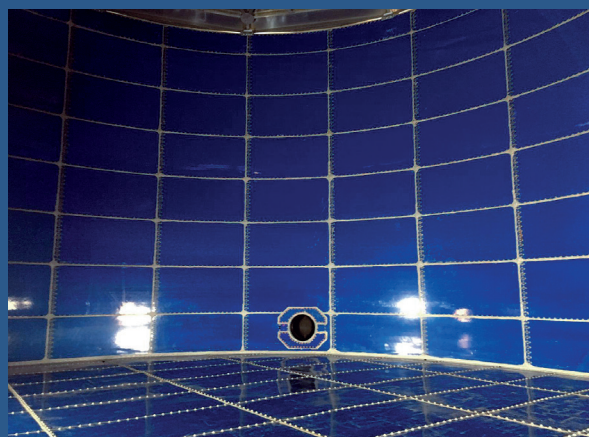
Our tanks are fixed on a concrete base which supports the weight of the tank and water.

### ANCILLARIES

- › External aluminum caged ladder or external staircase
- › Side manhole located at the foot of the tank
- › Pipework (*suction, infill, overflow, drain...*)
- › External supports for upward pipes

### OPTIONS

- › Roof walkway and central roof access platform
- › External polyester paint, RAL color of your choice
- › Internal thermal insulation (*shell and roof*) and cladding
- › Level controller
- › Maintenance contract



> FIRE PROTECTION

> URBAN AND INDUSTRIAL EFFLUENTS

> OIL & GAS - ENERGY

> POTABLE WATER & PROCESS WATER

> TANK COVERS

> MAINTENANCE AND ANCILLARIES



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