



## TANK®

# COMPREHENSIVE DESIGN, ANALYSIS AND EVALUATION FOR OIL STORAGE TANKS

### Capabilities:

- Steel Oil Storage Tank Design
- Analysis Output and Reports
- Complete Unit Flexibility
- API Standards 579, 620, 650, and 653
- API 2000 and 2002 4.3 for Venting
- Allowable Fluid Heights
- Nozzle Loads and Flexibilities
- Carbon and Stainless Steel
- Extensive Material Databases
- Wind Loads and Anchorage
- Seismic and Support Settlement Loads
- Shell Course Thicknesses
- Supported Cone Roofs
- Cone, Dome, and Umbrella Roof Thicknesses

### Data Collection

The menu-driven interface of TANK enables the quick definition of input and functions for the accurate analysis of oil storage tanks to American Petroleum Institute (API) standards.

Increased flexibility is provided by allowing you to select any unit combination for analyses or to produce reports. In addition, unitfiles are completely user-definable, so engineers are not bound by program default settings. Even existing jobs can be converted to any existing unit format.

### User Interface

The user interface in TANK presents only what is needed at each point of information gathering. Therefore, you are not burdened with “out-of-sequence” requirements for information required for analysis. You are asked only for what is needed, when it is needed.

### Analysis Options and Codes

TANK performs calculations in accordance with the latest API Standards 579, 620, 650, and 653. Analysis can also take into account wind, seismic, and settlement conditions, plus calculate air venting requirements to API 2000 Section 4.3.

### Output and Reports

After completing an analysis, you can view the results in a tabular report or as a graphic diagram with associated data. For convenience in verifying the results, the output reports reference code sections used where applicable.



## Material Databases

TANK includes many databases integral to the package, which make it easy to select standard data for accurate analysis. A number of U.S. and international structural steel databases are provided. API materials are available.

## Quick, Context-Sensitive Help

TANK's context-sensitive help provides instant technical assistance at the point of input. Pertinent information is presented relative to each selected item, including code references and technical advice. Built-in search makes for rapid navigation.

## Equations and Substitutions

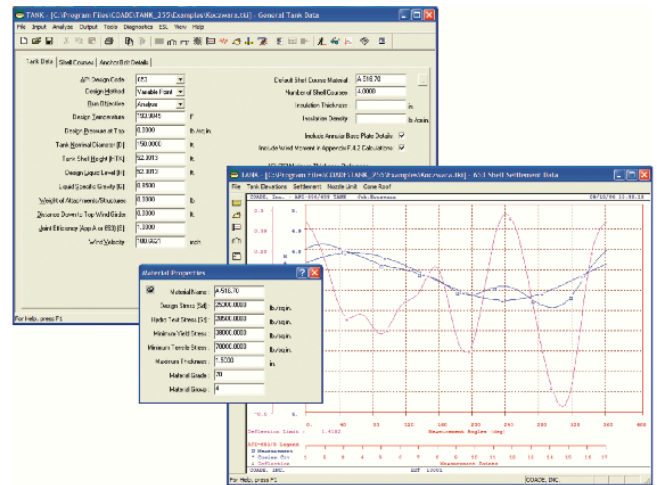
The software provides equations and substitutions, making it easier for you to verify the accuracy of your calculations.

## Technical Specification

- AutoCAD®-compatible
- Microsoft® Windows®-compatible

## Technical Specification

- Chemical
- Equipment
- Petrochemical
- Piping
- Power
- Process and Plant Design
- Water Treatment



TANK's intuitive interface employs user-defined materials and units and produces clear and accurate analysis reports.

## About Hexagon PPM

Hexagon PPM is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.

© 2018 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved.