



PMT TANK **BROCHURE**

PMT Tank is an Efficient and Advanced
Tool for Storage Tank Design &
Engineering

www.pmechtech.com



PMT TANK IS AN EFFICIENT AND ADVANCED TOOL FOR STORAGE TANK DESIGN & ENGINEERING

PMT TANK – API 650

1. Welded Storage Tank Design

2. API 650 – 13th Edition

3. API 650 – 13th Edition, Annex A, Annex S, Annex J

4. Shell Course thickness calculations(1-Foot Method / Variable-Design-Point Method)

5. Wind Pressure calculation (API 650 as well as using different codes)

6. Wind girder Design calculations

7. External Pressure Design calculations

8. Wind calculations

9. Seismic calculations (API 650 as well as using different codes)

10. Self-supported / Supported Cone & Dome Roof Design calculations

11. Uplift and Anchor Design calculations

12. Insulation Weight calculation
13. Counterbalance calculation

14. Foundation load data

15. Nozzle Neck thickness calculations

16. Nozzle Local Load Calculations as per Annex P API 650

17. Impact testing check as per API 650 guidelines

18. Cleanout Door & Manhole Calculations

19. Plates Material Take-off (MTO)

20. (Standard / Custom) Material Library

21. Step by Step Detailed Calculations

22. Proper Code References with Clauses, Tables & Flow charts

23. Calculations performed in real time with design validations.

24. Download detailed calculation report in PDF and Word format. User can also download Tank Datasheet (API 650 Annexure L format) in a click.

PMT TANK – PROCESS

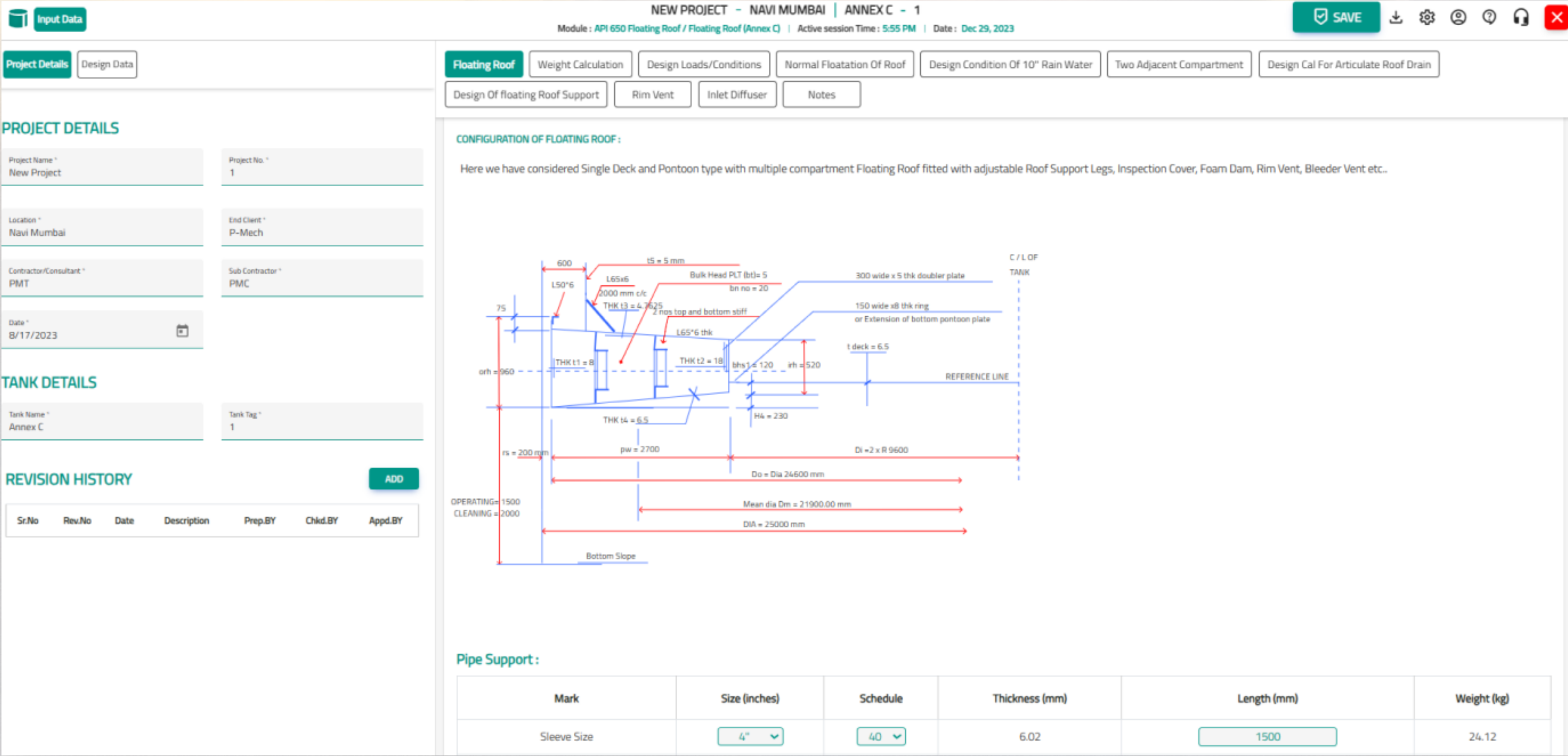
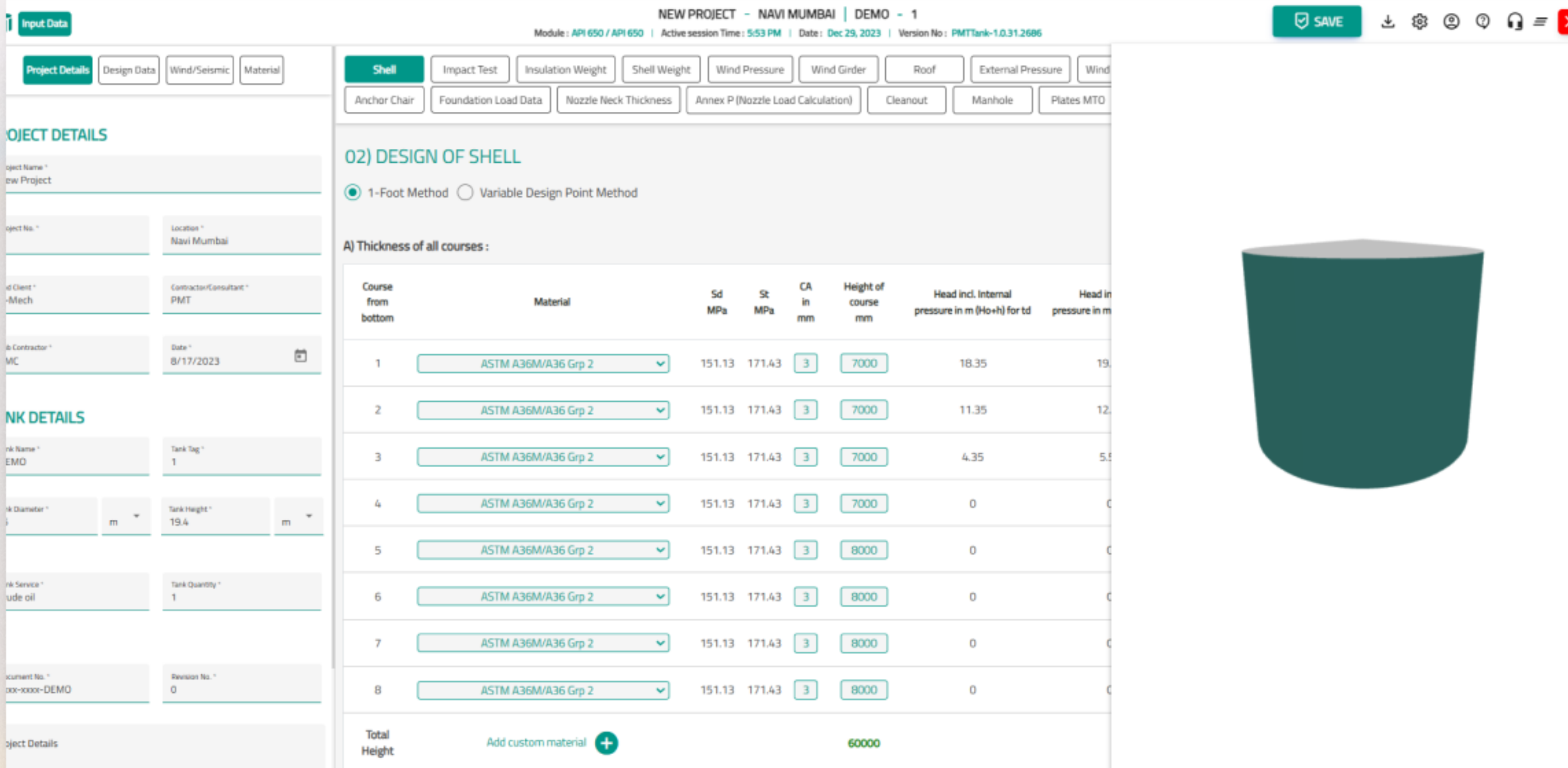
1. Venting (as per API 2000) : NRV, ERV, PVRV
2. Heating Coil Design
3. Inlet Diffuser Sizing

PMT TANK – CIVIL

1. Tank Civil Foundation Design

PMT TANK – FLOATING ROOF

1. As per API 650 Standard – 13 Edition, Annexure C



SUBSCRIPTIONS

- 03 Months
- 12 Months
- Enterprise

WHY PMT TANK?



Improve Productivity

Expert Tank Engineers are always in short supply. PMT Tank helps make the most of Engineers valuable time by providing calculations as per code and inputs specified by clients.



Easy to Use

PMT Tank is designed to be user-friendly for a Tank Engineer who is well-versed with using computer systems. No special training is required.



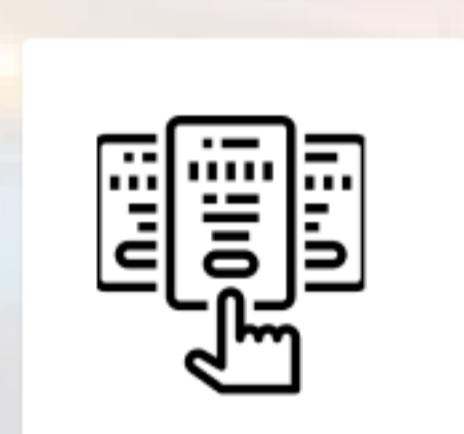
High Accuracy

PMT Tank helps Engineers navigate through constant upskilling of Code revisions, good engineering practices, advances in computing, etc. and avoid Code related errors and omissions.



Save Time & Cost

A complete Tank design can be performed in less than 2 hours. Save costs upto 10 to 20 times of the cost incurred by using Traditional Design practises.



Flexible Subscription

Users can choose to opt for 3 months or 12 months' subscription based on their project requirement.



Download Reports

After completing a Design, user can download the entire Design output (in pdf & word) , and also Tank Datasheet on click of a button.

INDUSTRIES SERVED

- Tank Terminals
 - Power Plants
 - Water Treatment
- Oil & Gas
 - Utilities
 - Fertilizer Plants
- Refinery & Petrochemicals
 - Chemical Plants
 - Pharmaceuticals



ABOUT US

P-Mech Technologies, creates Design Software Products for Energy & Industrial Space globally; by augmenting human potential and bringing the finest technology to practice.

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