



STRUCTURAL DESIGN FOR TANKS, SILOS AND STORAGE SYSTEMS

1432 South Jones Blvd.
Las Vegas, NV 89146
www.innovanv.com

T 702.220.6640
F 702.220.7740

TRANSPORTATION ENGINEERING
STRUCTURAL ENGINEERING
CONSTRUCTION ENGINEERING

FIRM INTRODUCTION

Founded in 2003, Innova Technologies, Inc. (Innova) is an award-winning, multi-disciplined engineering firm offering a collaborative approach to structural design for clients nationally and internationally. Core competencies include structural engineering for new construction of assets (buildings/tanks/modular homes), post-tension design, steel fabrication design, construction engineering, and transportation engineering. Markets sectors include commercial, healthcare, hospitality, industrial/manufacturing, institutional, luxury/multi-family residential, parking garages and transportation structures. The firm is licensed to practice in all 50 U.S. States and U.S. Virgin Islands. Innova's headquarters are located in Las Vegas, Nevada with offices in Monterrey, Mexico; Santiago de los Caballeros, Dominican Republic; and Cairo, Egypt.

Innova has garnered worldwide recognition for its contribution to engineering, innovation, employee satisfaction and business. Awards include: 2024 Top Places to Work, Review-Journal; 2024 Big 5 Egypt Impact Award for The Monorail & The Light Rail Transit (The Green Transportation Network of the New Administrative Capital) and 2024 The Smart City Initiative of the Year; 2023 Big 5 Egypt Impact Award Engineering Firm of the Year, Innova Transportation; 2022 Finalist in Nevada Business Magazine Awards; 2021 Infrastructure Project of the Year by The Big 5 Egypt Impact Award; 2017 Award of Merit, Metro Line 15 Monorail located in São Paulo, Brazil by the Post-Tensioning Institute; 2013 Nevada Family-Owned Businesses Wave of the Future Award by Nevada Business Magazine; and 2012 Top Business by Diversity.com as one of the leading entrepreneurs in the US. These achievements reflect our unwavering focus on quality, innovation, and client success—values that continue to drive our company.

KEY TEAM MEMBERS



CARLOS BANCHIK, P.E.
CHAIRMAN



ADRIANA GONORAZY, P.E., S.E.
VICE CHAIR



ROBERT NAPLES, P.E.
PRESIDENT



DANIEL KONEVSKY, P.E.
VICE PRESIDENT



STEVE MOORE, P.E., S.E.
SENIOR PROJECT MANAGER



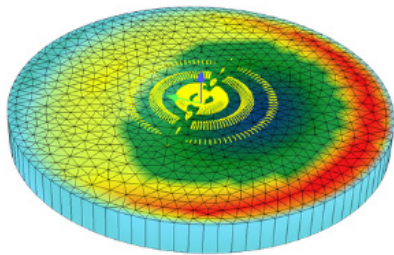
SHIMSHON ZEIDMAN, P.E.
ASSISTANT PROJECT MANAGER

YOUR PARTNER IN TANKS, SILOS AND STORAGE SYSTEMS DESIGN

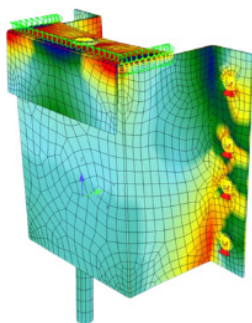
At Innova, we specialize in the structural engineering of tanks, silos, and storage systems for water, petroleum, chemical, and industrial applications, providing complete, code-compliant solutions that ensure safety, reliability, and efficiency.

Our services include the design of:

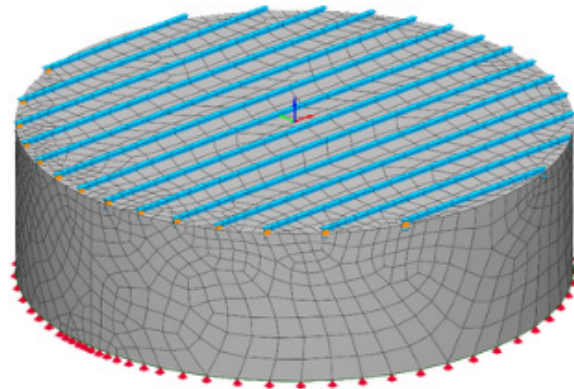
- **Tanks, Silos and Storage Systems** – Bolted, welded, flat-panel or corrugated steel wall systems, roofs, ladders, platforms, handrails and connections engineered for durability and performance, capable of handling dry bulk materials and dynamic flow pressures.
- **Foundations** – Engineered for long-term stability, including deep foundations, slab foundations, and ring foundations tailored to site-specific soil and environmental conditions.
- **High Seismic, Wind & Snow Resistance** – Designs for high seismic and high wind zones, as well as areas with significant snow and ice loading, meeting the most rigorous local, state, and national requirements.
- **Automation & Custom Software** – Capability to develop proprietary software and automation tools to expedite tank design, analysis, and drawing creation.
- **R&D & Specialized Design** – Testing support, specialized anchorage calculations, fatigue design, CFD modeling, and advanced FEA capabilities.
- **Forensic Investigations & Retrofits** – Evaluation, failure analysis, and retrofit design for existing or distressed storage structures.



FEA TANK FOUNDATION DESIGN



TANK ANCHORAGE FEA VALIDATION



FEA MODEL OF SHELL + ROOF
AND SUPPORT BEAMS

WHY PARTNER WITH INNOVA?



Innovating Solutions for You®

- **Efficiency & Responsiveness** – Rapid response and streamlined engineering keep your projects moving. We expedite approvals and project execution with fast turn around of calculations and stamped drawings.
- **Prototypical Solutions** – Reusable design templates cut cost and lead time for repeat projects.
- **Nationwide & International Capability** – Licensed in all 50 U.S. states, with international experience.
- **R&D-Backed Expertise** – Specialized Software and design capabilities for advanced performance validation.
- **Comprehensive Support** – From concept to construction and retrofits, we act as an extension of your team.
- **Foundation & Tank Integration** – Coordinated design of tanks and foundations ensures proper performance and cost savings.
- **Trusted Partner** – With decades of multidisciplinary experience, we tailor solutions to your specific design and operational needs.
- **Code Compliance** – AWWA D100, AWWA D103, API 650, API 620, API 653, NFPA 22, IBC, ASCE 7, and ACI 318.



APPROACH TO PROJECTS

On active projects the Innova team provides services that help our clients through all the developmental stages of a project: from inception, to preliminary and final design, to construction assistance. We incorporate our clients' construction and operation experience into the design to create the best overall holistic solution, maximizing value at the lowest construction cost possible.

To achieve this goal, Innova works with manufacturers providing support and filling all the holes on the team, proactively communicating to ensure effective interfaces. Our "Team Mission Focused Approach" has helped many clients through the process.

PROCESS PHASES



CONCEPT



DESIGN



STAMPED
DRAWINGS



CONSTRUCTION
SUPPORT

CALL OR EMAIL US!

📞 (702) 220-6640

✉️ Info@innovanv.com



"Innova Technologies operates very differently from most engineering firms. They understand the urgency behind our projects and consistently deliver stamped designs and reviews within just a few days — not weeks. Their responsiveness, reliability, and nationwide capabilities have made them a trusted and valuable partner in our business."

Eric Konechny, Vice President
Contain Water Systems, Inc.



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