CAPABILITIES STATEMENT

QUEST THERMAL GROUP
Innovative thermal solutions

NAICS CODES
541715 | 336419 | 541330

Quest Thermal Group designs, develops, and manufactures innovative advanced thermal insulation systems, offering the highest performing solutions available. Quest's Discrete Spacer Technology® systems offer beyond cutting-edge thermal & structural performance.

Quest Thermal collaborates closely with clients to design and deliver optimal solutions, guiding projects from initial concept through design, fabrication, and installation. Quest provides expertise, novel technology and the highest performance thermal solutions. Our systems routinely provide 2.5-fold to 12-fold better thermal performance.

QUEST THERMAL PROVIDES

- insulation system design and integration
- advanced, high-performance IMLI and WMLI systems
- custom engineering and development of insulation systems
- high-performance liquid hydrogen/cryogen storage
- ultra-low-heat leak insulation for superconducting and quantum computing
- development of commercial & industrial superinsulation
- thermal engineering services, thermal modeling & analysis

QUEST APPLICATIONS

- cryogenic propellant storage and transfer
- spacecraft, satellites and science missions
- vapor cooled systems
- load bearing insulation
- cryofeed line insulation
- lunar landers, rovers, payloads
- LH_2/cryogen storage
- cold supply chain
- commercial superinsulation

PROGRAMS & MISSIONS

- 46 NASA/Primes R&D/procurement programs since 2006
- IMLI has spaceflight heritige (TRL-9)
- Quest technology is in NASA Technology Roadmaps
- IMLI is used on NASA's Roman & NEOS space telescopes
- IMLI is insulating Artemis human lunar landers, lunar rovers, and lunar surface science payloads
- IMLI insulates LH_2 fueled UAV aircraft
- IMLI is insulating new GEO & hi-V satellite platforms

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