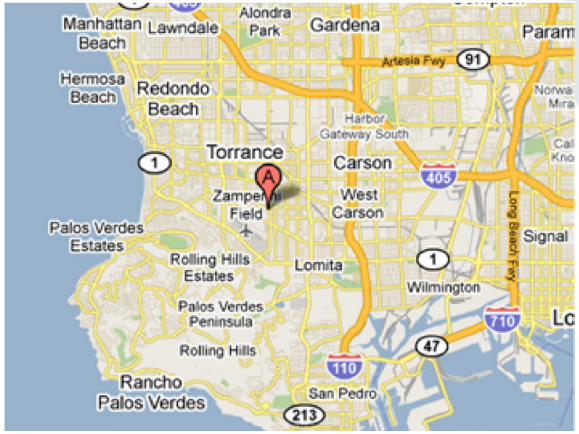
InnoSense LLC
Technologies for Tomorrow

InnoSense LLC is a technology firm serving the aerospace, defense, energy, and healthcare markets. We develop cutting edge innovations in chemical and biological sensing, and nanomaterial technologies. Learn more about our latest innovations at www.innosense.us

InnoSense LLC is about 15 miles from Los Angeles International Airport. We have teaming arrangements with large and small companies to transition our technologies to commercially viable products.

Located in Southern California



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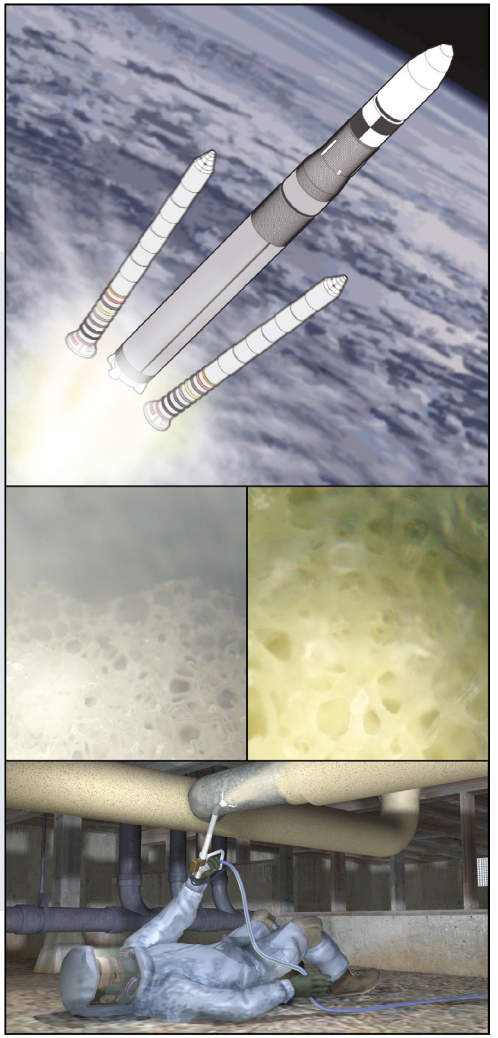


INSU-GEL™

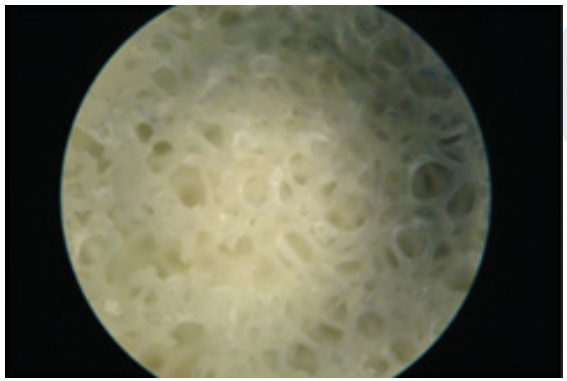
COMPOSITE FOAMS FOR ADVANCED INSULATION

INSU-GEL™

CUSTOMIZABLE FOAMS - US PATENT PENDING

InnoSense LLC is developing a family of innovative polymeric foams for advanced insulation applications. Building on recent innovations in nanomaterials, these polymeric foams modified with functionalized, nanoscale aerogels can offer hydrophobicity, reactivity, and other characteristics customizable for a variety of applications. Development projects include:

- Inexpensive, durable, cryogenic insulation for space exploration.
- Energy saving aerogel impregnated innovative foams from green sources for piping and ducts.



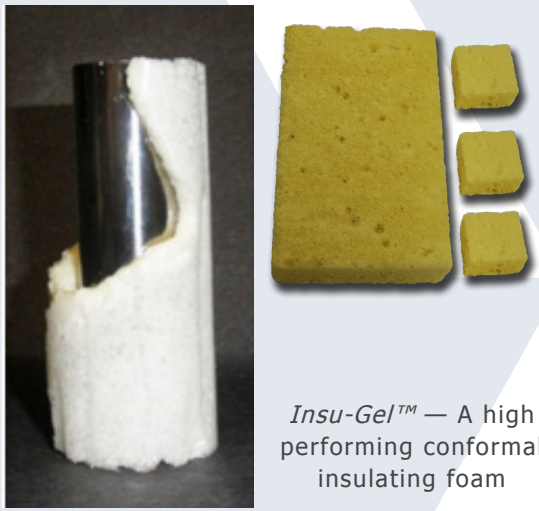
Insu-Gel™ foams offer tunable porosity and customized properties for a variety of applications.

TECHNOLOGICAL BENEFITS

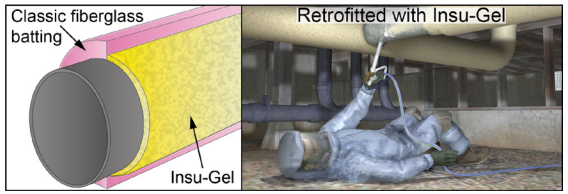
AEROSPACE

- Superior thermal properties —cryogenic insulation
- Formed *in situ*—application specific conformal geometries
- Hydrophobic—reduced water vapor up-take
- UV resistant
- Resistant to harsh marine environments
- Flexible—structural control

Lightweight engineered foams in various geometries



Insu-Gel™ — A high performing conformal insulating foam



Insu-Gel™ foam increases R-value by 30%.

BUILDING

- Spray on foam-any geometry, suitable for retrofitting
- Green cellulose formulation offer greater resistance to heat flow-30% R-value increases
- Reduced form factor-thinner than fiber-glass batting
- Hydrophobic-reduced moisture ingress

POTENTIAL APPLICATIONS

- Structural materials
- Gas delivery and transportation
- Fuel storage
- Carbon dioxide sequestration

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