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

Sample with sequestered hazardous contaminants – Pink regions indicate Mercury(II) while blue/gray regions indicate Copper(II).

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Bottom cover photo courtesy of ICM (http://www.icm.cc/)
COLOR-SMART COATINGS - US PATENT PENDING

InnoSense LLC's family of strippable coatings—Trap & See™—visually indicate the presence of hazardous contaminants. Trap & See’s water-based formulations, with embedded proprietary chemochromic agents, bind to the contaminants to visually indicate their presence and entrap them.

Trap & See will:

- Minimize the risk of exposure to contaminants, by sequestering and indicating their presence;
- Allow informed demolition and maintenance decisions based on visually indicated contaminant levels;
- Sustain decontaminated zones.

TECHNOLOGICAL BENEFITS

- Chemochromic binding agents impart color to identify the presence of ionic and liquid mercury.
- Can be applied to many surfaces—smooth or rough and porous—including: metals, glass, porous concrete, wood, PVC, painted drywall and brick.
- Strippable by direct peeling or moderate mechanical force without cracking or tearing—minimizing hazardous waste volume.
- Environmentally friendly water-based polymers with low to no volatile organic solvents that promote migration of contaminants.
- Coating can be sprayed using a remote-controlled robot to reduce human exposure to health risks.

POTENTIAL APPLICATIONS

- Demolition and maintenance of contaminated sites, such as:
  - Old thermometer, fluorescent light bulb and neon sign factories;
  - Smelting plants and mercury battery manufacturers.
- Cost-effective decontamination of hazardous sites, such as:
  - Possible “dirty bomb” sites;
  - Facilities where hazardous chemicals are handled.