

Innovative Coatings Potentially Lower Facility Maintenance Costs



Stennis Space Center

***Nanocepts Inc.
Lexington, KY***

NASA Technology

- ◆ Scientists were looking toward technology that could purify water and eliminate harmful substances on spacecraft during missions.
- ◆ Photocatalysis is a process whereby light energizes a mineral that then breaks down organic matter, including harmful chemicals.



Technology Transfer

- ◆ Through a Dual Use Technology partnership with NASA, Nanocepts was able to prove the worth of its titanium dioxide-derived photocatalyst coating, which is water-based and easy to apply to surfaces.
- ◆ At Stennis, a number of buildings benefit from the coating, which eliminates the buildup of grime and reduce the Center's maintenance costs.

Benefits

- ◆ In hospitals, Nanocepts' products kill 99.99 percent of microbes, including MRSA and *E. coli*, thus reducing the chance of life-threatening infections for patients.
- ◆ In new buildings, the solution can break down Volatile Organic Compounds (VOCs), such as formaldehyde, which can be emitted from fresh paint, carpets, and building materials.