

## Interior Design

Self-cleaning coatings can be applied over other treatments to a variety of synthetic and natural fabrics using conventional textile finishing processes on a large scale

Fabrics treated with the technology are breathable, lightweight, self-cleaning and durable under harsh conditions

Solve the negative characteristics of many textiles used in interiors Ex: oleophilic, difficult to clean, contamination, breathability, mildew



<http://www.renovatortextiles.com/new-selfcleaning-textile-technology-from-luna>

## Research

### Luna Innovations, Inc.

#### Textile Repellent Technology

**Objective:**  
Protect first responders from pathogens and industrial workers from contaminants.

Can address the common problem of keeping fabric clean.

TheCaseSolutions.com

### Repellant Technology

"The proprietary chemical technology uses a nanostructured textile coating to create an oleophobic treatment that repels both water and oil-based liquids so they roll off without penetrating the underlying fabric."

Provides protection against contaminants and can also make clothes last longer and reduce laundering. Contaminants decrease quality and appearance of fabric.



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### U.S. Army Contract

#### Annotation:

Research that Luna completed under a U.S. Army contract awarded through the Small Business Innovation Research (SBIR) program to develop self-cleaning uniforms based on the use of oleophobic coatings, which are coatings that do not allow water, oils, solvents, or chemicals to wet the surface



Cost savings for both households as well as large organizations such as the U.S. military and oil & gas operations

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## Commercialize

### UltraTech International, Inc.

Partner to take its technology to market. Breakthrough technology ready for commercial marketplace

"We're pleased to partner with Luna, a leader in technology development. To advance their patent pending textile treatment that we expect will make many commercial and military applications. With our experience in introducing new products and a global sales channel that reaches nearly with solutions, we look forward to bringing this innovative coating to market." Mark Shan, Co-President

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### Commercially Available

Inspired by nature



Luna's fluid-resistant coatings are based on hierarchical particles composed of commercially available materials

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### Function

Particles are part of a water based solution coated onto fabrics to create oleophobic fabrics



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# Just Clean Your Hands

## TheCaseSolutions.com

Kristin Molina  
ID 112 Textiles  
Thursday 6pm

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<http://www.innovationsinc.com/new/selfcleaning-technology-from-luna/>

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### Repellent Technology

"The proprietary chemical technology uses a nanostructured textile coating to create an omni-phobic treatment that repels both water- and oil-based liquids so they roll off without penetrating the underlying fabric."

Provides protection against contaminants and can also make clothes last longer and reduce laundering. Contaminants deteriorate quality and appearance of fabric.



[TheCaseSolutions.com](http://TheCaseSolutions.com)

### U.S. Army Contract

**Innovation:**  
Research that Luna completed under a U.S. Army contract awarded through the Small Business Innovative Research (SBIR) program to develop self-cleaning uniforms based on the use of omni-phobic coatings, which are coatings that do not allow water, oils, solvents, or chemicals to wet the surface.



Cost savings for both households as well as large organizations such as the U.S. military and oil & gas operations.

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## Commercialize

### UltraTech International, Inc.

Partner to take its technology to market through technology ready for commercial marketplace

"We're pleased to partner with Luna, a leader in technology advancement, to advance their nano-structuring textile treatment that we expect will have many commercial and military applications. With our experience in producing new products and a global value channel that makes sense with UltraTech, we look forward to bringing this excellent coating to market."  
Mark Olson, Co President

[TheCaseSolutions.com](http://TheCaseSolutions.com)

### Commercially Available

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[TheCaseSolutions.com](http://TheCaseSolutions.com)

### Function

Particles are part of a water-based solution coated onto treated to create omni-phobic fabric



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# Just Clean Your Hands

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ID 112 Textiles  
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Textile Repellant Technology

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# Repellant Technology

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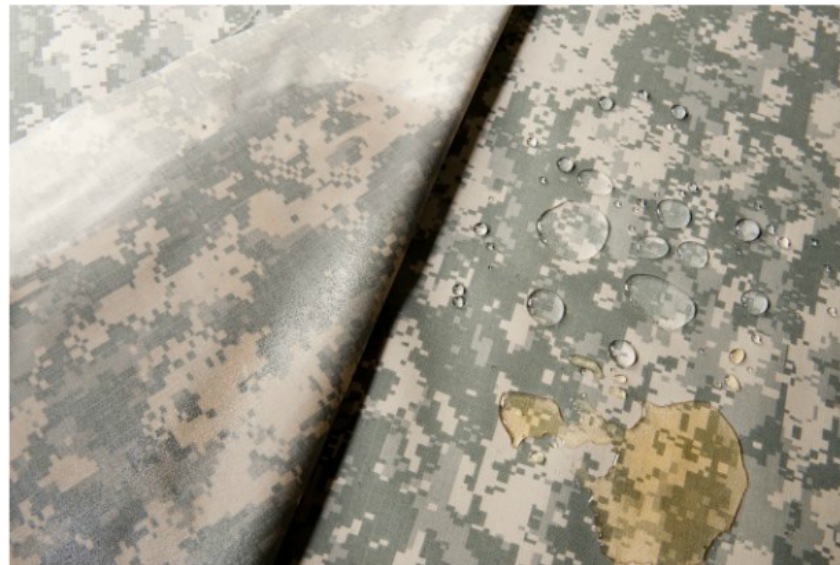
TheCaseSolutions.com

ITC

# U.S. Army Contract

*Innovation:*

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Cost savings for both households as well as large organizations such as the U.S. military and oil & gas operations

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Partner to take its technology to market

Breakthrough technology ready for  
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# Function

Particles are part of a water-based solution coated onto textiles to create omniphobic fabrics

