Research

Interior Design

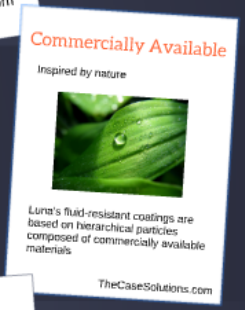
Self-cleaning coatings can be applied over other treatments to a variety of synthetic and natural fabrics using conventional textile finishing processes on a large scale

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: oleophillic, difficult to clean, contamination, breathability, mildew

http://www.innovationintextiles.com/new-self-cleaning-textile-technology-from-luna/

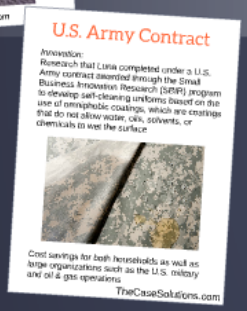
Commercialize



Ze-gen: Commercializing Clean Tech

TheCaseSolutions.com

Kristin Molina
ID 112 Textiles
Thursday 6pm



Research

Interior Design

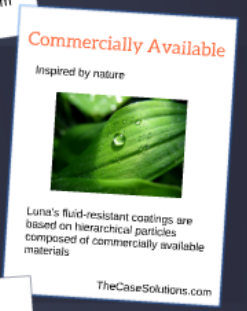
Self-cleaning coatings can be applied over other treatments to a variety of synthetic and natural fabrics using conventional textile finishing processes on a large scale

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: oleophillic, difficult to clean, contamination, breathability, mildew

http://www.innovationintextiles.com/new-self-cleaning-textile-technology-from-luna/

Commercialize



Ze-gen: Commercializing Clean Tech

TheCaseSolutions.com

Kristin Molina
ID 112 Textiles
Thursday 6pm

Luna Innovations, Inc.

Textile Repellant Technology

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

Can address the common problem of keeping fabric clean.

Repellant Technology

"The proprietary chemical technology uses a nanostructured textile coating to create an omniphobic 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

U.S. Army Contract

Innovation:
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 omniphobic 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

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 have many commercial and military applications. With our experience in introducing new products and a global sales channel that matches needs with solutions, we look forward to bringing this innovative coating to market."
Mark Shaw, Co-President

TheCaseSolutions.com

olutions.com

ze

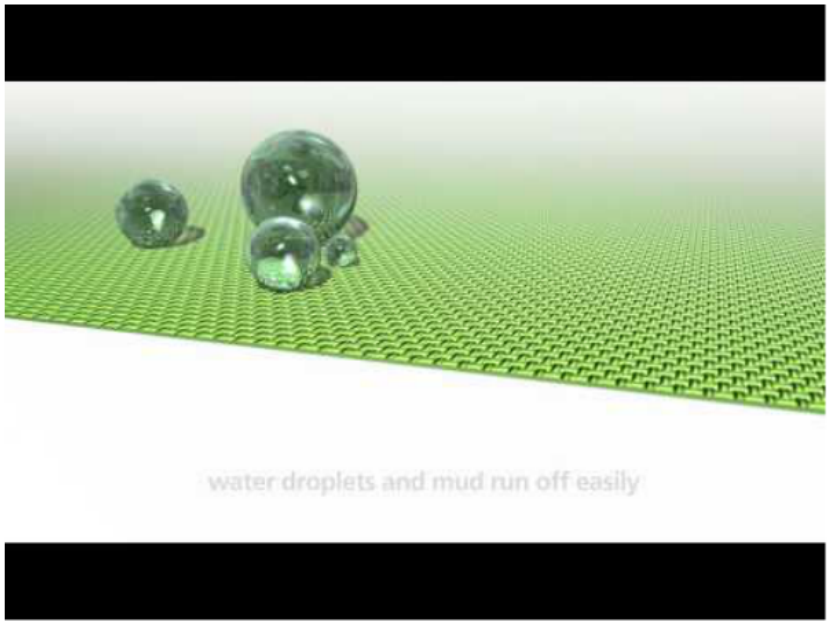
Commercially Available

Inspired by nature

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

Function

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



TheCaseSolutions.com