

Evercloak Inc.

Evelyn Allen, P.Eng., M.Eng

CEO & Co-founder

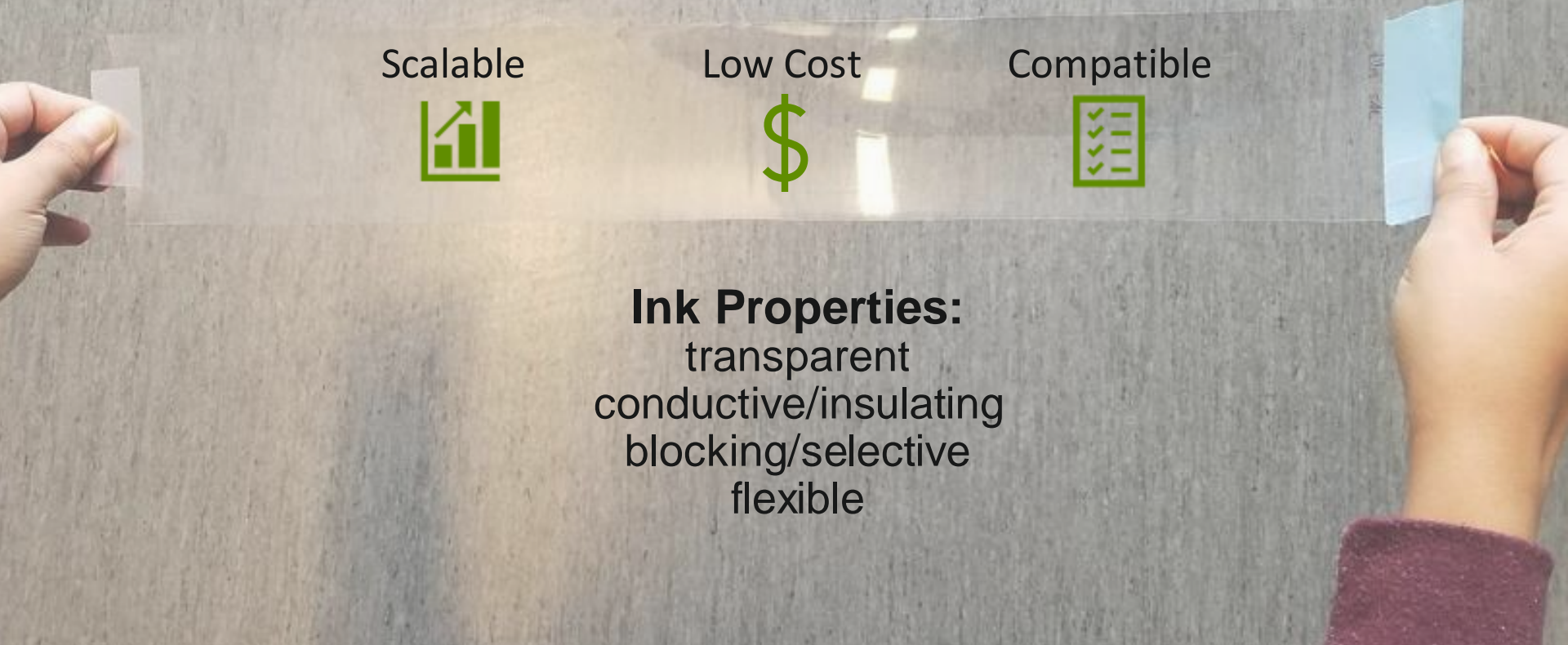
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Evercloak.com

NGen Next Generation
Manufacturing Canada

A material innovation company

World's thinnest and most uniform nano-coatings of 2D materials
(graphene, carbon nanotubes and more...)



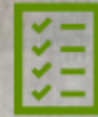
Scalable



Low Cost



Compatible



Ink Properties:
transparent
conductive/insulating
blocking/selective
flexible

Our technology is ...

Blue Sky

First use case:



Graphene-based membranes to remove moisture from air.

Future applications could include:

- smart packaging
- corrosion prevention
- chemical separation
- electronic and medical devices
- batteries and solar cells

PROJECT DESCRIPTION (in a few lines):

Advance Evercloak’s manufacturing coating technology from bench scale testing (validation) to demonstrating under operational conditions.

PROJECT DURATION:
12-18 months

STARTING MRL LEVEL:
5

PROJECT OBJECTIVES (maximum 4 bullets):

1. Source/build automation system to optimize quality and control
2. Identify and source supply chain materials – graphene, membrane support
3. Industrial design of next-gen prototype with user interface

ENDING MRL LEVEL:
6-7

OUR EXPERTISE AND ROLE IN THE PROJECT:

- Materials and coating expertise
- Background technology & start-up momentum with paid application validation projects
- Mechanical and engineering support from NRCan CanmetMATERIALS (\$250k)

EXPERTISE WE ARE LOOKING FOR:

- Automation - novel sensor technologies (AI or other) for quality control and automation of coatings for 100% transparent films 0.7nm thick.
- Material supply chain - high quality graphene, membrane support (0.1um)
- 3D scale-up modeling
- Application partners

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