



METATM

MASTERING LIGHT
DRIVING INNOVATION

CSE:MMAT

FORWARD-LOOKING STATEMENTS



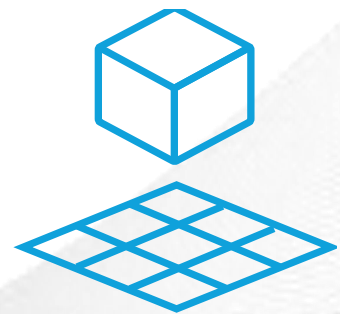
All statements included in this Information Memorandum, (“Memorandum”) regarding adjusted, estimated, forecasted, pro-forma, projected or intended or anticipated future operations and/or financial performance, and all other statements that are not historical facts, are forward-looking statements. Moreover, the words and expressions: “believes,” “desires,” “expects,” “anticipates,” “projects,” “enable,” “estimates,” “predicts,” “prospects,” and analogous or correlative statements, and all statements preceded or otherwise qualified by “there can be no assurance” or “no assurance can be given” are also intended to identify forward-looking statements. Such statements reflect various assumptions made by the Company as of the date of this Memorandum and the Company does not intend to update or revise any of such statements to reflect changes in general economic, industry and market

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Summary & Investment Opportunity

1. **Platform Technology** for broad market applications ripe for disruption; aerospace, medical devices, consumer electronics and **Automotive**— blue ocean
2. **Aggressive Growth in Intellectual Property and two M&As to date** (51 Patents Granted in 28 Patents families, 38 patents pending)
3. **Purpose Built Proprietary Manufacturing** – highly scalable and sustainable products which outperform the competition and will meet automotive supply chain requirements
4. **Global Blue-Chip Aviation & Automotive Customers** are Co-investing & or becoming Commercialization Partners
5. **Market Pull** – significant products and partnership enquiries **without marketing efforts** from multiple industries.
6. **High Margins (>50%)** and room to increase with economies of scale.

WHO WE ARE



Design & Nanofabrication Experts

High performance & smart products for our daily lives –



Developed Platform

\$60M Invested Since 2011



3 Core Capabilities

Holography,
Lithography &
Wireless Sensing



Large Patent Portfolio

51 Granted Patents in
28 Patent Families.
38 Patents Pending
(26 in the U.S., 63 in 18
other countries)



Strategic Partnerships

Relationships with
Fortune500 Companies
across multiple
industries; Automotive,
Consumer Electronics,
Medical, & Aerospace

META's Nano-composites Platform

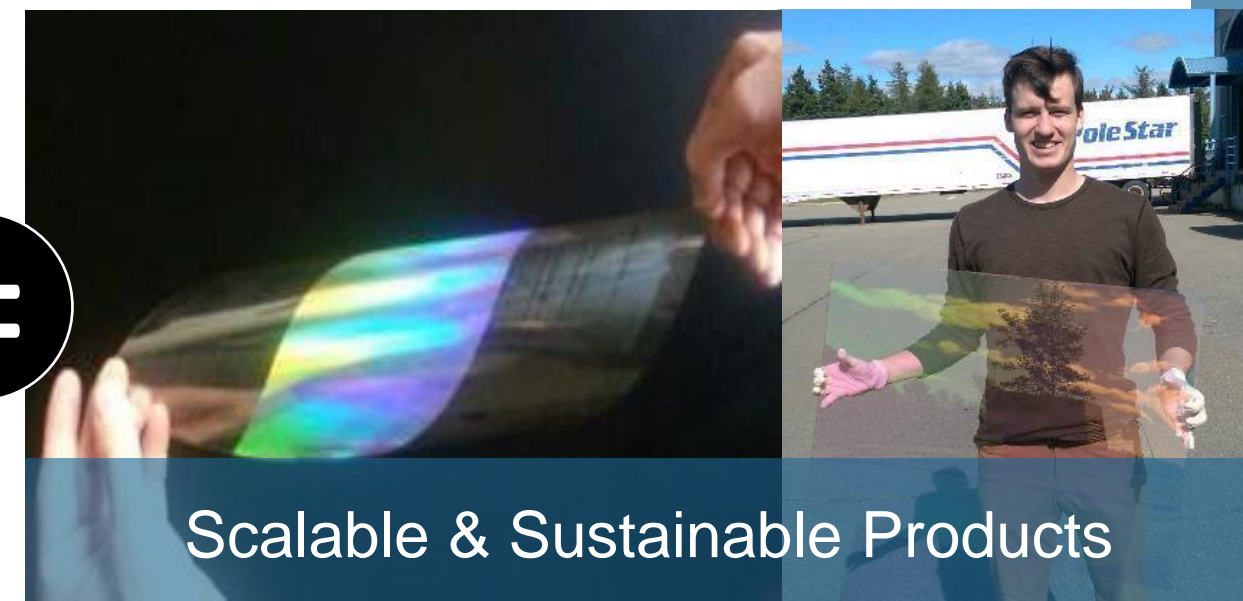
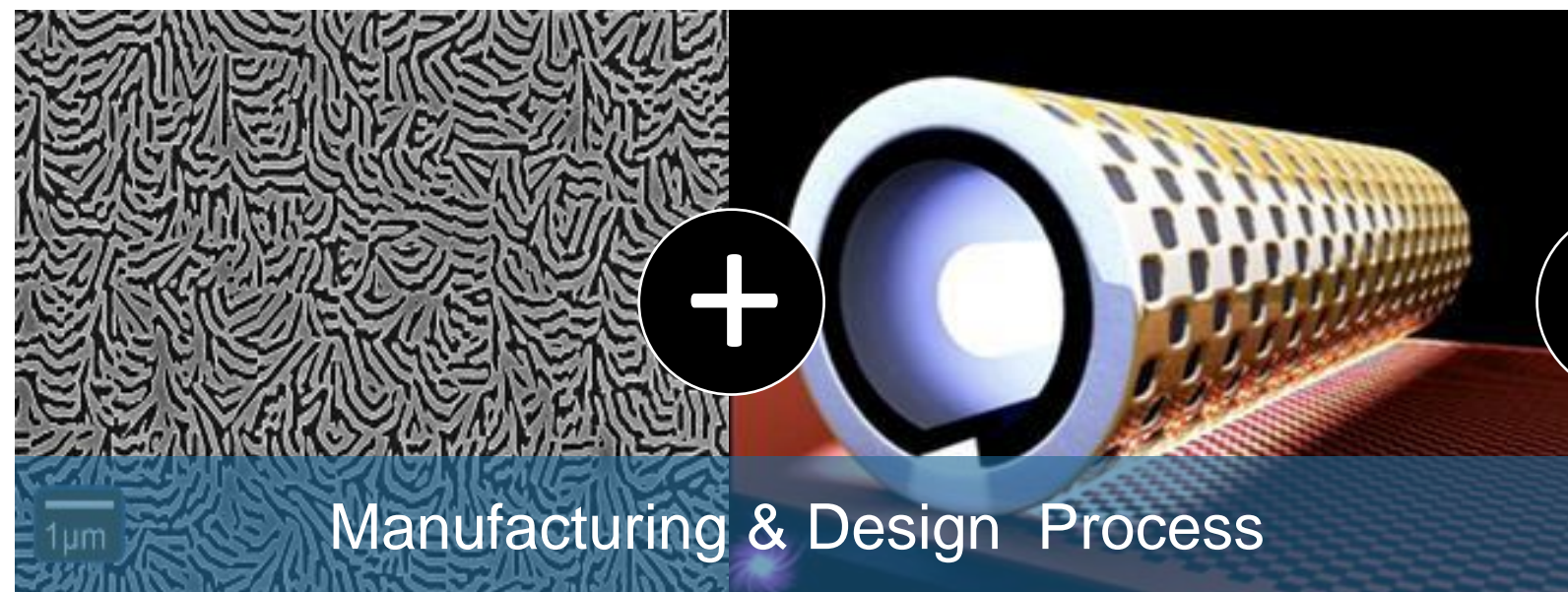


3 Core Design and Technology Capabilities:

1. Holography
2. Lithography
3. Wireless Sensing

Key Advantages vs Competition:

- Lower Production Cost
- Flat & Scalable
- High Production Yield
- Precise Control
- Higher Performance
- Customizable Designs
- Production in minutes vs. competitors taking several hours
- Sustainable Raw Materials

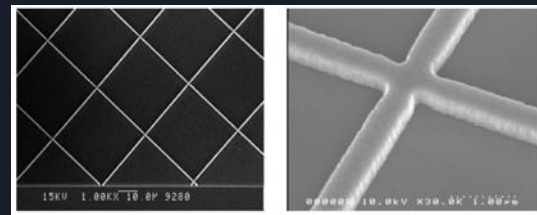


A leader in metamaterials design and manufacturing moving the technology from R&D to commercialization

NANOWEB vs. Competition

A Revolutionary Transparent Metal-mesh Conductive Film

NANOWEB

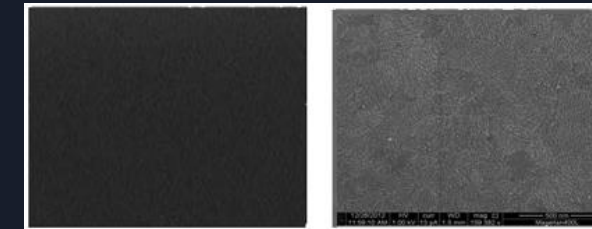


- ✓ High Transmission (>95%)
- ✓ High Conductivity (1-20 Ω /sq)
- ✓ Lower Haze (<1%)
- ✓ Hi Resolution & Control
- ✓ Flexible Substrates

Sub-micron, high transparency,
highly conductive metal mesh

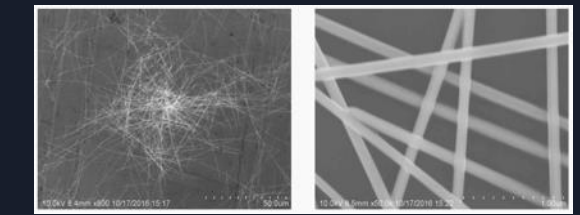
VS.

INDIUM TIN OXIDE



- ✗ Low Transmission
- ✗ Low Conductivity
- ✗ Not flexible
- ✗ Not suitable for large surface areas

SILVER NANOWIRES & FLAKES



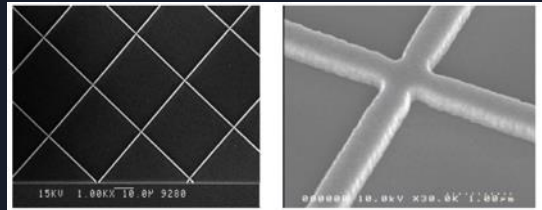
- ✗ High Haze
- ✗ Low Transmission
- ✗ Low Conductivity
- ✗ Low precision/control

- **NanoWeb's Competitive Advantage**
Best in class transmission & conductivity combined
- Scalable to large area roll-to-roll printing
- Printable on flexible (plastics) or rigid (glass) surfaces


NANOWEB vs Competition

De-fogging, De-icing and High Performance, flexible Touch Screens

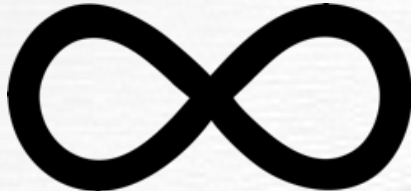
NANOWEB




- High Transmission (>95%)
- High Conductivity (1-20 Ω /sq)
- Lower Haze (<1%)
- Hi Resolution & Control
- Flexible Substrates




High Performance



Large Scale

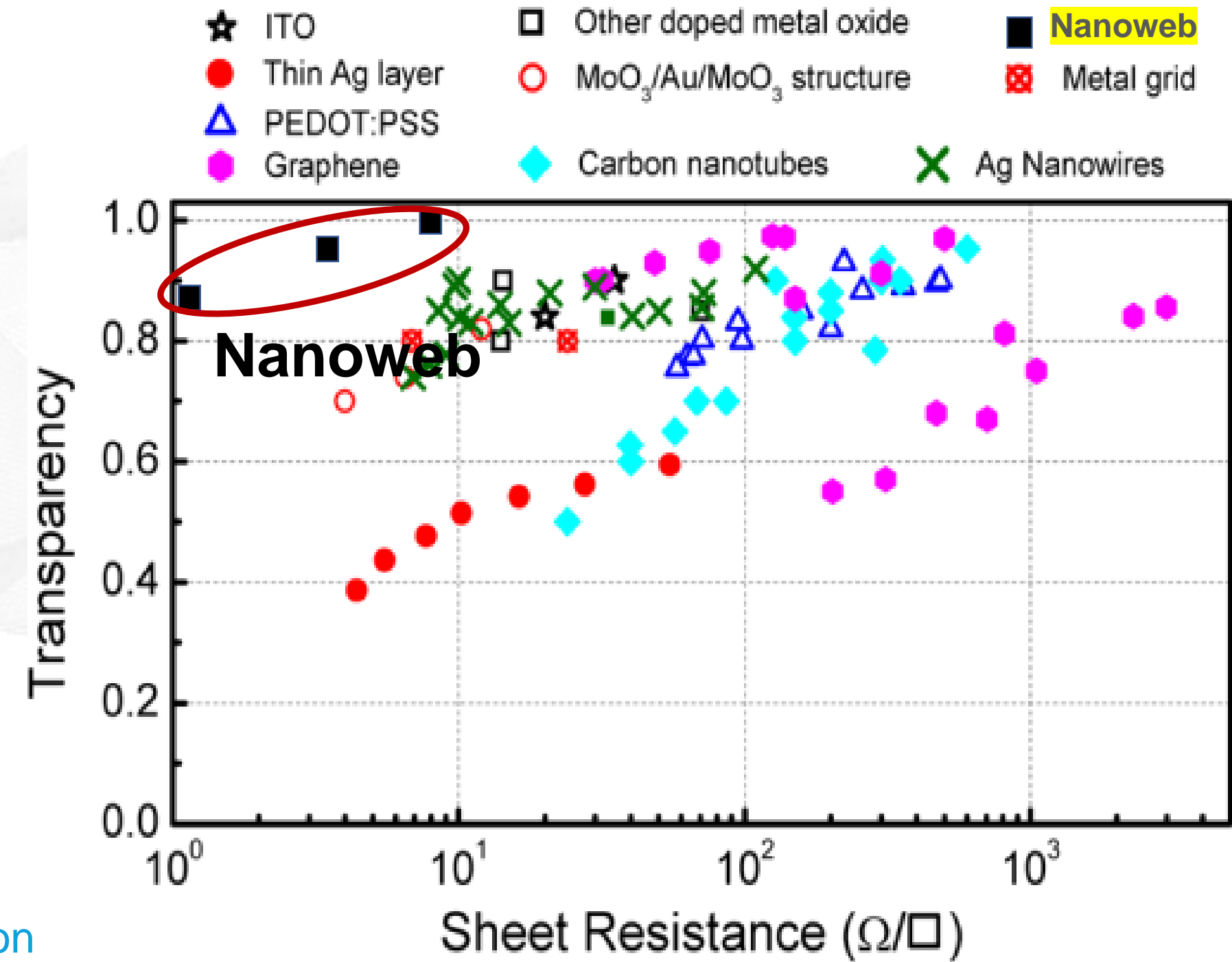


High Precision, Resolution and Control



Adaptable

Sub-micron, high transparency, highly conductive metal mesh



>\$1Bn Serviceable Market Opportunity

Sustainable Value Proposition

Higher Performance AND Environmental Benefits AND Cost-effective



Example of Environmental & Energy Benefits compared to ITO (Indium Tin Oxide) substrates



97%

Reduction
in mining wastes



90%

Savings
in raw materials used



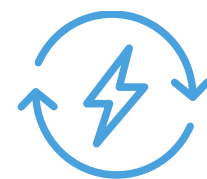
86%

Reduction
in the air pollution produced



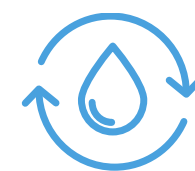
76%

Reduction
in the water pollution



Up to 7,000%

Reduction
in energy consumption



40%

Savings
in the amount of water used

NanoWeb® metal-mesh is the best alternative to Indium Tin Oxide

META's products can offer up to 40x performance improvements, are sustainable and cost effective.



BEST MANUFACTURING TECHNOLOGY AWARD
2014 IDTechEx Printed Electronics Industry

AUTOMOTIVE SOLUTIONS



Large Scale optics for Head-up-Displays

Diffractive optics

AUTOMOTIVE SOLUTIONS

NANOWEB® A Revolutionary
Transparent Conductive Film

AUTOMOTIVE SOLUTIONS

NanoWeb®



Active Transparent De-Icing & De-fogging of windshields, headlights and Sensors.

- **Transparent** conductive film
- **Sub-Micron** Metal Mesh (wires) invisible to human eye
- **Flexibility** and **scalability**
- Can be placed on both **Glass** and **PET**
- Full control of design to achieve **high conductivity, visibility** and transparent to wanted EM frequencies
- **Colorless, low haze (<1%)**

Lidar Scanning Improvement

- Combine Existing MEMs technology with 2D Spatially modulated **Hologram Grating**
- Higher **speed**, Larger **Range**

AUTOMOTIVE SOLUTIONS

NANOWEB® A Revolutionary
Transparent Conductive Film

SUPERIOR PERFORMANCE

FREE FROM RARE EARTH METALS



Electrochromic Mirror components

- High transmission (>85%VLT), low haze (<3%)
- Super high conductivity (1-20 Ω /sq.)
- Switching speed advantage, low energy consumption

Transparent Antenna components

- Op Frequencies 100MHz-92GHz
- 5G, LTE, Radio, GSM & Bluetooth
- On most substrates (glass, sapphire, films)

Touch Screens components

- Super high conductivity (1-20 Ω /sq.), Higher transmission (>95%), low haze (<1%)
- Flexible for complex shapes

Go to Market - Production



Source: Internal META estimates

*Based on 1 production shift, 5 days per week, 8 hours per day

MARKET SCOPE & BEYOND



Medical Devices
Med-tech is ready for disruption.
Medical device market sales worth
\$529 Billion by 2022 (5.2% CAGR)

Energy
The solar industry awaits the
next major breakthrough
Photovoltaic (PV) market
\$333 Billion (25.1% GAGR)

Consumer Electronics
Electronics/displays & Consumer
Coms sectors are growing
massively with market sales of
\$3+Trillion (23% CAGR)

Electric Everything
Vehicle Electrification
has just begun. Photovoltaic (PV)
market **\$567 Billion** (22% CAGR)



>\$1Bn META's Serviceable Market Opportunity



META™

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THANK YOU