

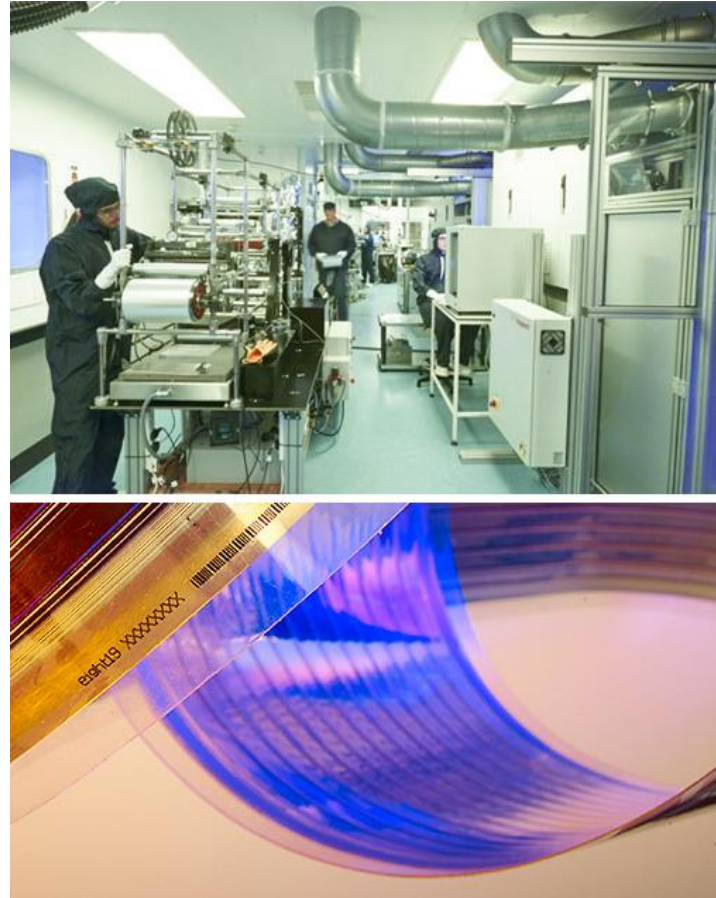


Flexible solar modules

Chris Harris - Chairman

What we do

Design, develop & manufacture energy harvesting solutions incorporating our unique flexible organic solar technology



World class expertise



**UNIVERSITY OF
CAMBRIDGE**

Technology originated in
Prof. Richard Friend's group



**Imperial College
London**

Leading edge materials from
Prof. Iain McCulloch's Group



Claudio Marinelli

VP Bus Dev

- Former BD Director
Applied Graphene
- Nokia Research



Chris Rider

VP Innovation

- Department Head
Kodak Research
- Director, EPSRC
Centre CU



Christoph Sele

Production Mgr

- Solar Press
- Philips
- PhD Physics



Jurjen Winkel
Technology Mgr

- 13 year Kodak
Research
- PhD Chemistry



Richard Hardy
Operations Mgr

- Smiths Aerospace
- TWI
- Lean Manufacturing

Eight19 technical breakthroughs

Breakthrough

ITO-free OPV

Laser-free device patterning

Formulations suitable for R2R coating

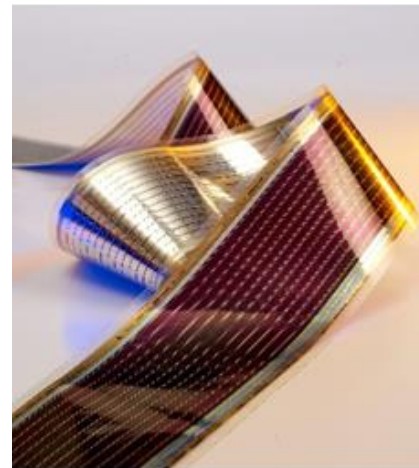
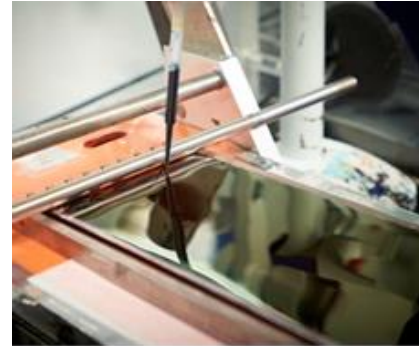
Formulations for non-toxic end product

Non-vacuum (in air) coating

Low-temperature (<80C) coating

High-yield R2R processes

Device protection for outsourced fab steps



Impact

Cost

CAPEX

Scaling, Cost

Application Range

CAPEX

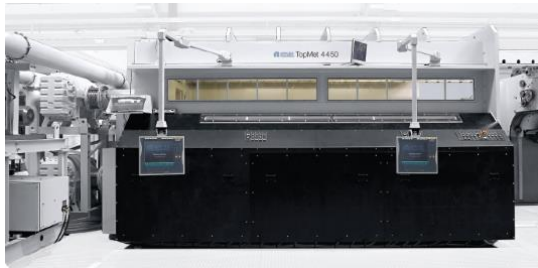
CAPEX

Scaling, Cost

CAPEX, Cost

Capital light manufacturing

Third party
equipment and
mature low cost
processes



Metallisation



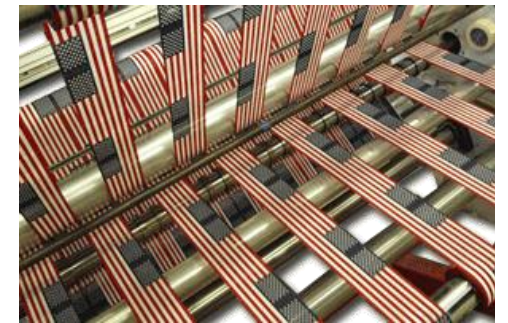
Active layer coating and
patterning process using
existing in-house equipment

Third party
equipment and
mature low cost
processes



Lamination

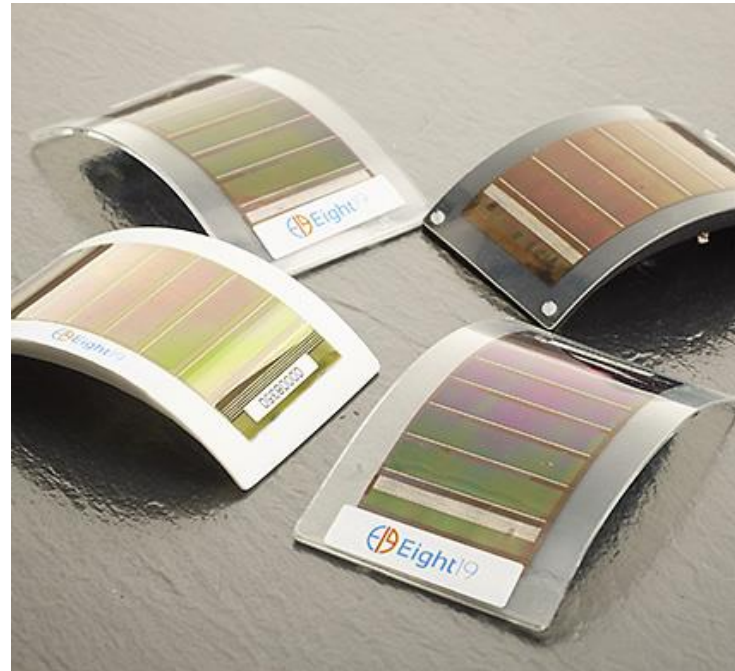
Third party
equipment and
mature low cost
processes



Conversion

Key differentiators

- Best in class low light performance
- Flexibility
- Non-toxic
- Light weight
- Pleasing aesthetics
- Robustness



OPV market opportunities

Wireless sensors (IOT)



Off-grid solar charger



In-store logistics information



Thank you