

26 November, 2018

Connecting 2 separate worlds

- Building Industry
 - · High mix of product variety
 - · Low degree of industrialization/automation
 - · Low degree of integration in products



Solar industry

- · Low mix of product variety
- High degree of industrialization/ automation
- · Low degree of integration in products







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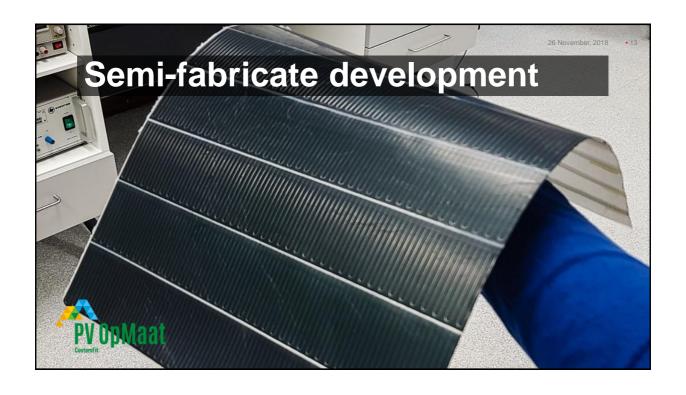
Vision

- A significant increase in use of solar energy can be realized by integrating PV functionality in the world as we know it (buildings, infra, transport vehicles).
- This is not possible with the nowadays-limited solar industry's standardized products
- PV is a functionality, not a product

Flexible PV semi-fabricates are the key towards esthetical and automated product integration

SOLLIANCE

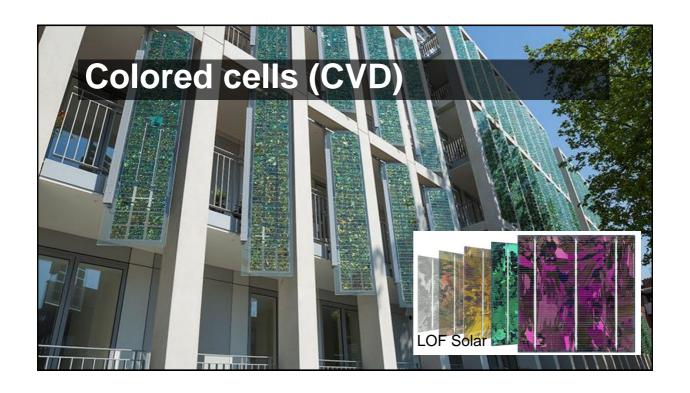
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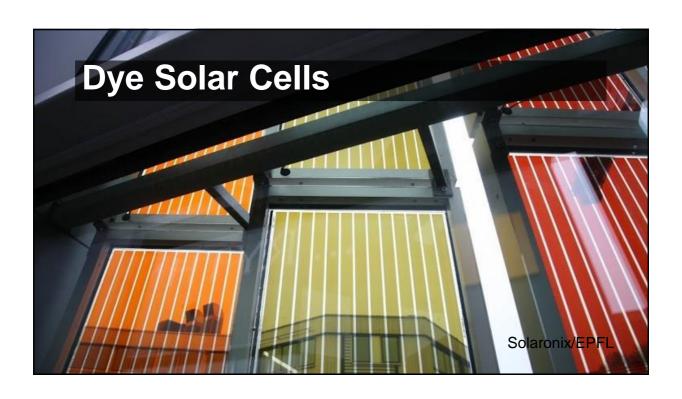






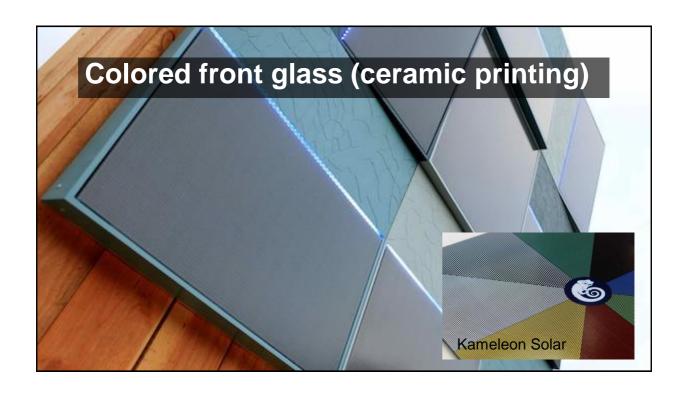


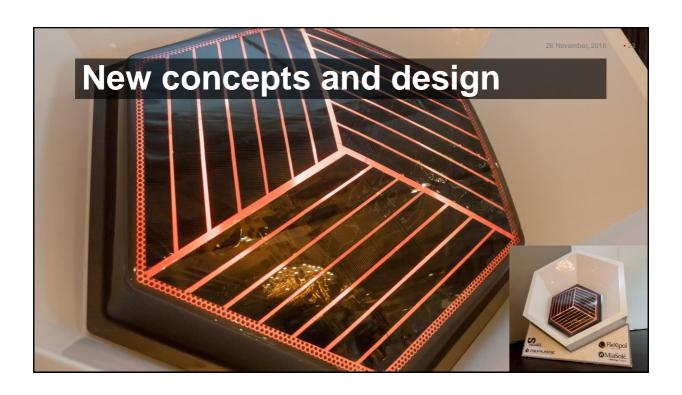


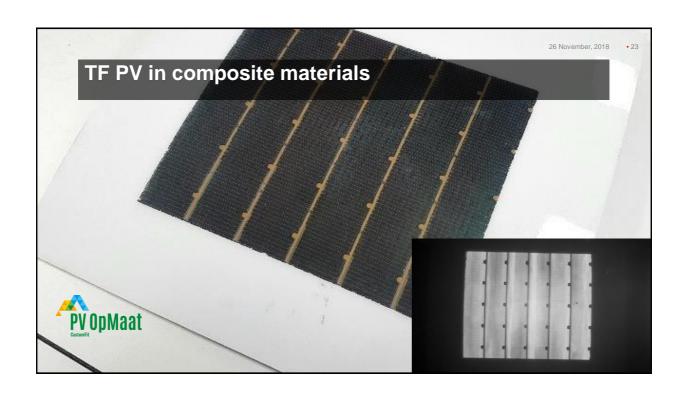


















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Concluding remarks

- Coating and surface technologies are an integral part of PV manufacturing
 - Cell level
 - Module level
- Thin Film solar cells are very well suited for customized and integrated applications.
- PV as functionality in façade panels is "hot".
- New methods for coating/printing colors with a minimum efficiency loss are being developed.
- Feasibility of integration of TF PV in classic façade panels is shown



