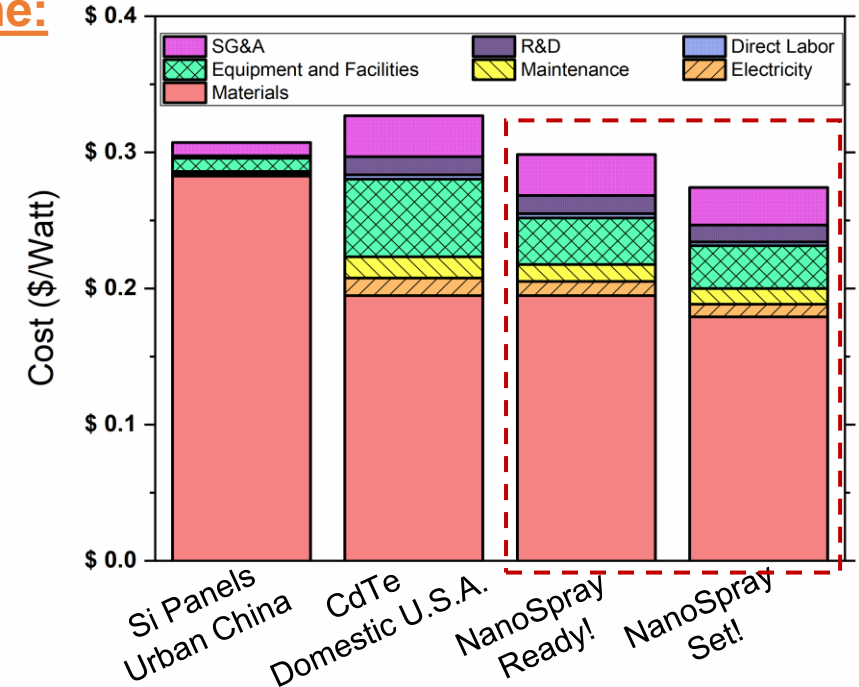


NanoSpray

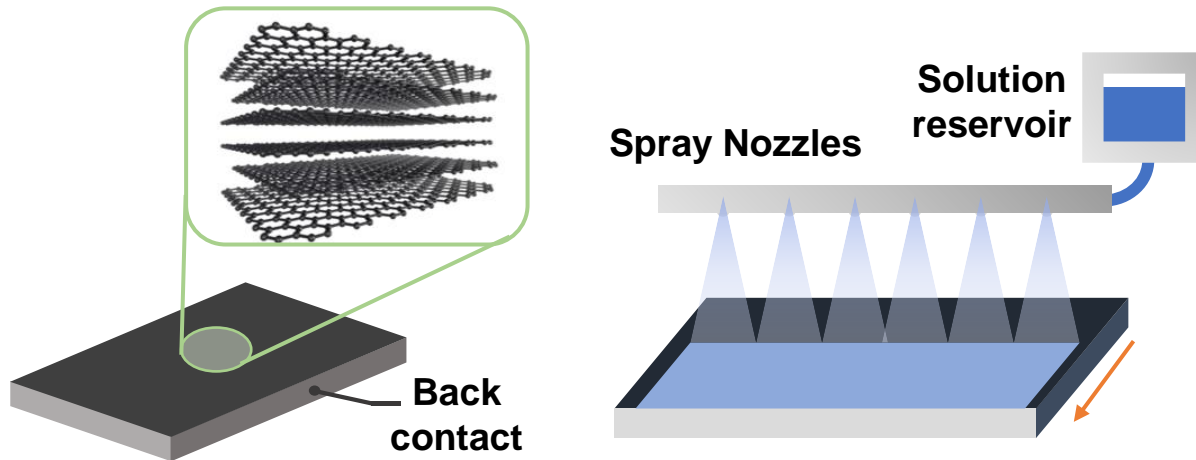
Problem: Cadmium telluride (CdTe) solar panels are too expensive to manufacture despite the raw materials being cheaper than current industry leader, silicon.

Solution: Use materials that can be processed directly onto CdTe panels without need for expensive equipment or energy intensive processes.

Outcome:



Plan: Benefits from using Innovative materials enabling solution-processing



NanoSpray materials:

- Highly conductive
- Water-dispersible
- Inexpensive materials
- Ideal workfunction

NanoSpray coater:

- Lower capital costs
- Less maintenance
- Less energy-intensive
- Operated in ambient atmosphere

Team:



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Photovoltaics, Thin-films

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2D Materials: Synthesis & Applications

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Solid-state devices, Photovoltaics