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ALL ABOUT SOLAR POWER

# STC.I 2026 Day 1 Summary

**Shravan K. Chunduri**

Head of Technology,

TaiyangNews

## Reflecting on the strategy to Solar Autonomy

- Peter Fath in his keynote said the India has all the possibilities to become the next manufacturing hub
- NSEFI addressed the challenges in Indian manufacturing and proposed a roadmap to sovereignty and leadership
- TERI recommended de-risking of manufacturing utilization, leveraging finance, building the upstream, and investing in innovation clusters in Indian solar ecosystem
- Ajinkya Kale from CEEW explored recycling possibilities for Indian PV industry. He discussed the cost economics and suggested solutions towards establishing circular economy.

## Advancing solar module performance and reliability through the right bill of materials

- Waaree set the scene by presenting the role of BOM in PV module performance and reliability from a manufacturer's perspective
- In a joint presentation, Bupendra and Asif (Dhash) presented Dhash's key products—junction boxes and connectors—and discussed how these components influence overall module reliability
- Chandan (YourBuddy) spoke on optimized PV ribbon solutions for various module applications.
- Finally, Rajesh (RenewSys) delivered a two-part presentation: first, from the perspective of a leading supplier of encapsulation materials and backsheets, and second, from a manufacturer's viewpoint on other BOM elements such as glass.

## Module Manufacturing Equipment for lowest cost and high-quality products

- Manu (Mondragon) will present an overview of Mondragon's product solutions, with a stronger emphasis on BC technology.
- Dronveer Kaura (Confirmware) will focus on the company's turnkey line offerings, covering multiple module technologies.
- Frank (Kontron) will provide an overview of MES systems, highlighting the breadth of applications and the associated benefits, also adding info on AI
- Senthil (Autowell) will cover production equipment solutions across the value chain, from crystal growth through cell and module manufacturing.

## Back Contact Deepdive – Parallel Session

- Radovan said BC will become the emperor of the energy markets after 2028. He presented advantages of BC over TOPCon and space applications of ISC's BC product – Phoenix, which is a ZEBRA for space
- Raphael Shanmugam showcased ISC's work on module processing of BC. New process methods such as taping the strings and connecting them at lamination step with low temperature soldering are explored
- Jerry from Leadmicro presented upgradable solutions for TOPCon lines to BC. He also estimated the turnkey lines to be available in this year.

## Parallel Session – Quality and Sustainability

- Parth Bhatt from DNV presented ways to achieve technical bankability and the shortcomings of accelerated tests. He spoke about DNV's technical bankability level as scoring method for modules
- SSI's Margaux Plurien defined quality in today's terms as a combination of performance, transparency, consistency, and credibility across sites and suppliers.
- Purushothama A from TUV Rheinland presented testing standards, methods, and common risks occurred in case of non-compliances in product quality
- Vijay Menon from Navitas Solar highlighted how they identify the common problems that can pose a serious performance risks and solutions to prevent them
- Debajyoti Sarangi shared insights on the common quality risks (LID, LETID, PID) with the module performance and the influence of BOM on the quality.

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# Thank you

**Shravan K. Chunduri**

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[shravan.chunduri@taiyangnews.info](mailto:shravan.chunduri@taiyangnews.info)