

Vision

A community of researchers, equipment suppliers, and practitioners working to advance process intensification (PI) equipment into the module manufacturing supply chain

Objectives

Drive cost and reliability improvements in module and component manufacturing

- Standardize modules and components to drive demand and capital investment within the supply chain
- Lower the cost of PI equipment using advanced manufacturing technology
- Reduce technical risk by improving reliability of PI equipment

Key Approaches

- Convene the supply chain to identify opportunities for standardizing and intensifying components and modules
- Use design-for-manufacturing-and-assembly principles in redesign of modules and components
- Develop new manufacturing process technologies for module and component manufacturing
- Improve reliability and advance standardization through the development, validation and assimilation of design tools

Expected Outcomes

- Cost reduction of PI equipment eliminates business risk for module manufacturers
- Reliable components demonstrated in commercial deployment reduces technical risk for module manufacturers
- More robust supply chain driven by breakthrough PI equipment

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***RAPID's focal point for
modular manufacturing
and supply chain
innovation***

