

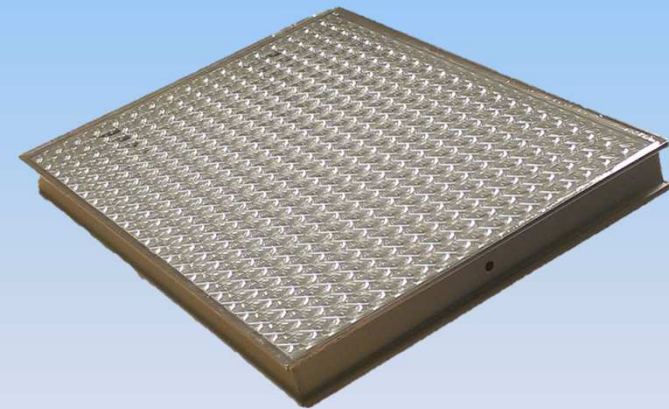


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Fullsun is developing an extremely, thin, light weight HCPV solar module using an innovative construction method that utilizes standard optoelectronic manufacturing and surface mount packaging techniques.



Challenge area for the Solar ERA-Net 2nd call
PV2.6 Concentrator PV Technology



Technology Strategy Board
Driving Innovation



Project idea

- ***Development of components and sub-system i.e. cells and packaged devices and modules that demonstrate decreased cost, commercial manufacturability using new processes and assembly techniques.***
- ***Field testing in a high DNI area using a statistically meaningful number of modules and devices to demonstrate long term performance and reliability***
- ***Add value in the HCPV supply chain i.e. lower costs, simpler manufacturing, with no loss of performance or reliability.***

Potential Partners and Expertise

- ***Epitaxial growth of III-V cells and cell fabrication and test***
- ***Device packaging – optoelectronic surface mount type***
- ***Tracker company – to demonstrate the advantage of using a lightweight module***
- ***Field Testing – access to a dedicated test site with performance monitoring and meteorological testing***



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