

ClearVue solar glazing IGU used in conjunction with a newly developed solar spandrel will have the following innovative features:

- Custom-designed energy-saving glazing systems
 - Utilizing special types of glass and low-emissivity coating(s)
 - Providing substantial thermal energy savings in a range of deployment climates.
- Integrated luminescent solar concentrator (LSC) panel harvesting
 - Primarily the UV-blue and near-infrared solar radiation components
 - Providing maximized visible light transparency
- 3D-structured, custom-shaped, custom-interconnected energy harvesting PV surfaces
 - Placed around glazing perimeter regions
 - Maximizing visual transparency
 - Reducing the angle dependent efficiency losses that would normally occur in BIPV
- Customized electrical interconnections
 - Circuitry involving combiner boxes and microinverters
 - Enables optimization of energy production

