**INNOVATIVE DYNAMIC PV STRUCTURE**

The PULSE creates a spectacular opportunity for innovation of PV modules industry. The design concept presents an outstanding element which imitates a breathing rhythm; this employs the use of pulsating geometrical solar modules fixed on a steel frame. The purpose of innovative and dynamic PV structure is to increase the production of power by expanding the surface through applying automated mechanism programmed to track down the movement of the sun with different seasons along the year. The concept truly breathes life into the elegant, complex structure and leaves a deep impression on any individual who sees such effect, as it creates a more distinct, personal connection.

**BEGINNING & END OF THE DAY**

**SCHEMATIC DIAGRAM FOR PV BREATHING UNIT**

- Hexagonal mono-crystalline (dimension)
- Dynamic structure frame
- Flexible thin-film

**BRIDGE AND PLAza**

The open plazas beneath that provide gathering spaces for people incorporate human movement and local circulation as part of the design itself. Not to mention, the area welcomes all visitors, as it is even accessible to people of determination, through the aforementioned bridge. The wooden bridge provides a raw feeling of nature while promoting stronger preservation of the environment by emphasizing the value of reusable, natural resources.

**VENTILATION**

Lanscaped waterbodies assist a passive cooling technique underneath the structure, as when air passes through, a crisp and refreshing circulation of wind spreads throughout the building.

**PASSIVE COOLING INSIDE THE PULSE**

**WATER SURFACE**

**Landmark**

- Lead UAE to be in the forefront of sustainability and renewable energy world wide
- Motivates students and expert innovation and create unique ideas

**Social**

- Social encouragement for people gathering