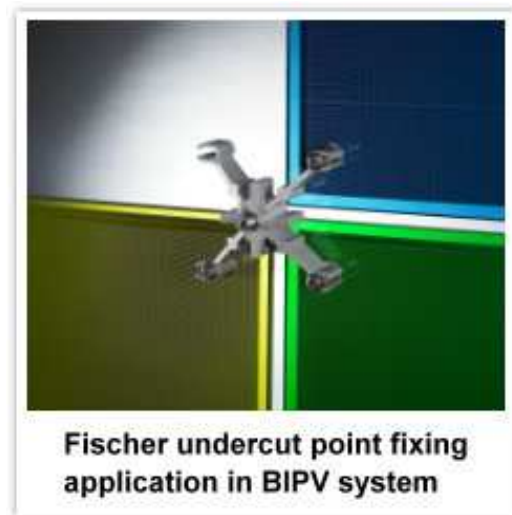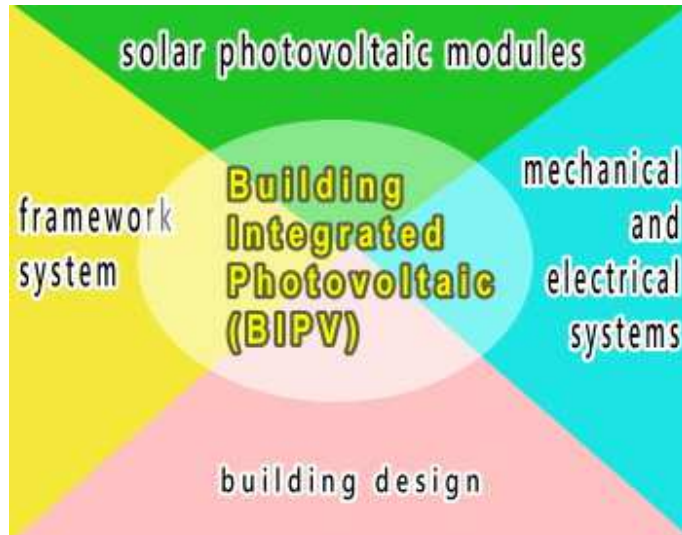# Building Integrated Photovoltaic (BIPV) System

In lack of energy in the world, generation of high-expense for oil and electricity is coming. Countries all over the world eagerly search the new source to replace the highly-pollution energy, pursuing a non-nuclear family with goals of green energy, continuous surviving, energy saving and environment protection to protect the earth. BIPV system will be the best solution to resolve the current situation.

BIPV system, from the building itself, is the combination of solar energy and construction to be heat insulation, sun insulation and good ambient lighting. In other words, in the process of its production and utilization, BIPV system combines the original solar modules, machinery and electric system, architecture design and frame system. Currently, it applies to be mainly used in curtain walls or exterior of building, parking lots, pavilions, outdoor visors, patios, oblique-shaped roof construction, and roof for large constructions or sound-proof walls.

Construction of the twenty-first century is to become ecological, energy-saving, pollution reducing and create a healthy environment for continuous development.

Fischer undercut point fixing application in BIPV system

aluminum extrusion framing
application in BIPV system

Characteristics:

1. Widely utilization on building's exterior
2. Could be the replaced material of building's exterior
3. Could be the replaced material of roof, wall and window
4. Sunlight resistance and indoor heat insulation
5. Function for a) being architecture material, b) electricity generating
6. Energy saving and renewable energy
7. Easily repairing
8. Light and comfortable space
9. Aesthetic in the combination of building and energy-saving

Applications:

1. BIPV system
2. Scenic Construction: curtain walls or exterior of buildings, parking lots, pavilions, outdoor visors, patios, oblique-shaped roof construction, roof for large constructions or sound-proof walls