

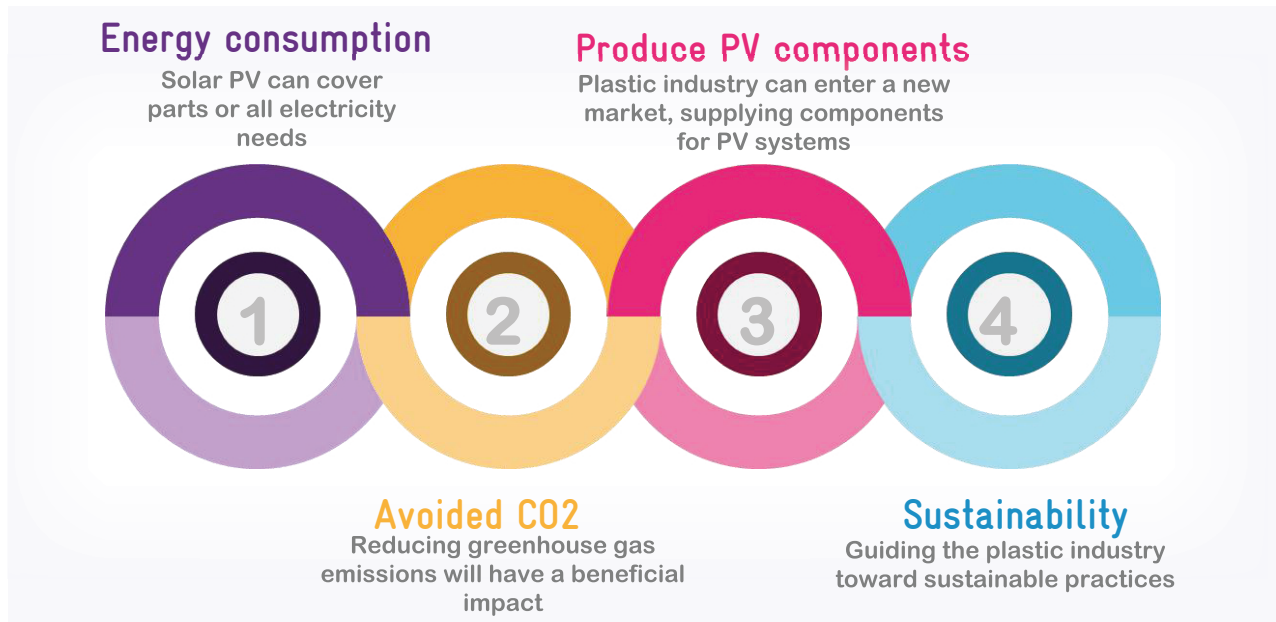


# PLASTIC INDUSTRIES CAN DOUBLE THEIR BENEFITS BY IMPLEMENTING SOLAR PV ?

To satisfy its customers, the plastics industry has constantly evolved and adapted. Nevertheless, plastics has become known as not being environmentally friendly. In its urge to satisfy the customer needs and expectations but

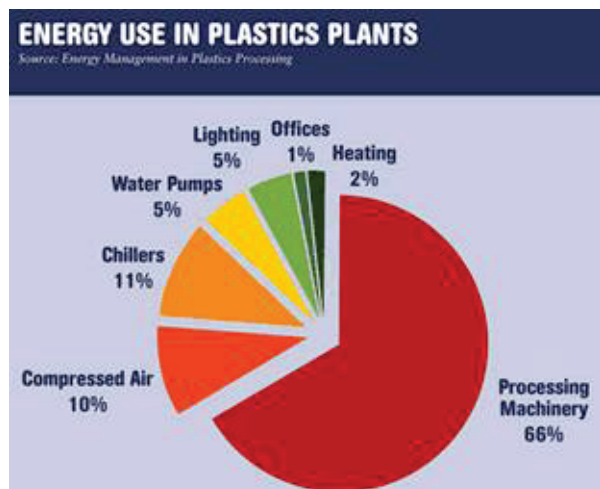
also facing high energy costs, the industry has started to adapt and implemented sustainability measures. One of the measures is the use of Solar PV.

## The benefits of implementing Solar PV



### 01 Energy consumption

It is well known that plastic is considered as one of the most energy-intensive materials to produce. In fact, around the world, the plastics industry uses 4% of all energy consumed. As the price of electricity continues to rise, implementing Solar PV systems in plastic factories can reduce the energy costs considerably.



## 02 Avoid Co2

The carbon footprint of plastic is very high compared to other products. It is said that emissions from plastic production and incineration could account for 56 gigatonnes of carbon between now and 2050\*. By implementing Solar PV systems in plastic factories, a considerable amount of CO2 may therefore be avoided, and the industry can benefit from a cleaner image.

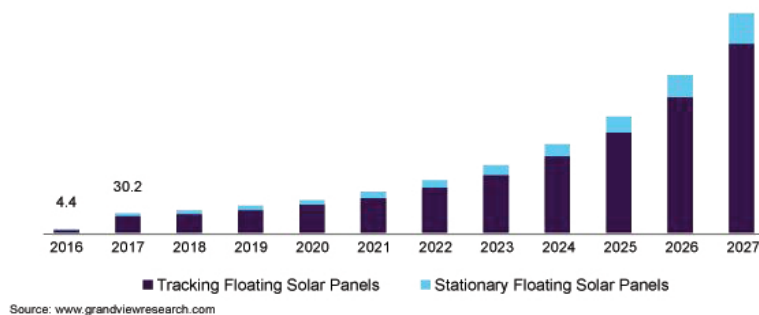


## 03 Produce PV components

Plastic industry can also benefit from the recent demand of producing parts for floating PV (FPV) plants worldwide, as FPV installations require plastic floating structures for the PV modules

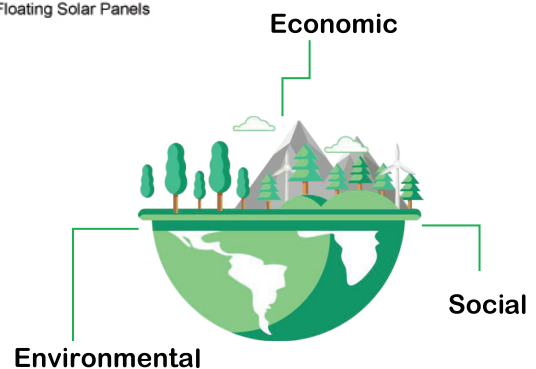
(and also inverters and cables). In 2019 the global market demand was 615.2 MW and is expected to grow at a rate of 28.9% from 2020 to 2027.

The U.S. floating solar panels market demand, by product, 2016 - 2027 (MW)



## 04 Sustainability

As the plastic industry aims to reach sustainability, implementing solar PV can be seen as a first step towards this goal. This will help the industry improve the bad image of plastics.



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