

INCREASE BIFACIAL SOLAR MODULES ENERGY YIELD BY 5-15%

HRS is the innovative composite made of permeable and recyclable fabrics engineered to enhance the performance of bifacial photovoltaic modules.

With **Helios Black** suppressing weed growth and **Helios Reflect** boosting ground albedo, this dynamic composite not only safeguards against surface erosion and fire hazards with its flame-retardant features, but also delivers a surge in total energy generation.

Using HRS in PV installations located in Northern Greece resulted in increasing the annual total energy generation by 5%, which translates to a significant 3.5% drop in the levelized cost of electricity (LCOE), making HRS **a valuable asset to every solar energy venture.**



**WEED
SUPPRESSION**



**ALBEDO
ENHANCEMENT**



**SURFACE EROSION
PROTECTION**

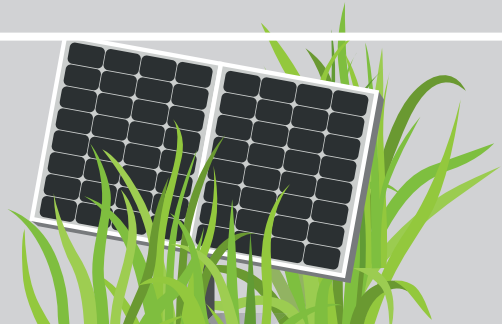


**FLAME
RETARDANT**

THE PROBLEM

LACK OF OR INEFFICIENT WEED CONTROL:

- Requires **frequent maintenance**
- Can **damage the modules**
- Leads to **excessive herbicide use**
- **Disturbs** the uniform **reflectance**
- **Reduces** the bifacial **gain**

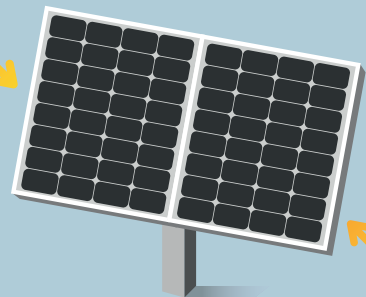


THE HRS SOLUTION



HELIOS REFLECT

Increases **sunlight reflection**
& solar modules **energy yield**



HELIOS BLACK

Eliminates **weed development** & **soil erosion**



HRS HELIOS
REFLECT
SYSTEM

.....
TRIED & TESTED PERFORMANCE
.....

LOCATION: XANTHI, GREECE

CAPACITY: 7,8 MW

INSTALLATION: 06/2022

SERVICE LIFE



100% RECYCLABLE AT THE END OF LIFESPAN



CONTACT US FOR A DETAILED PRESENTATION OF OUR INNOVATION

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