



Covestro Retrofit Anti-Reflective coating.

It's time to give your solar park an
energy boost.



Are you looking to boost the IRR of your older solar park? Retrofit your PV modules with our latest Anti-Reflective coating. And get an increase in energy yield of up to 3%.

Same sun. More power.™

Our turnkey solution

If you operate an older (especially pre-2013) solar park with uncoated modules, there's a proven way to get greater performance from your PV panels without having to replace them.

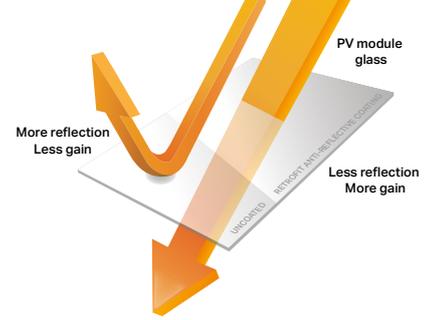
When applied directly onto solar modules, our Retrofit AR coating captures more of the sun's energy. Using a specially developed automated application system (patent applied for), our expert technical team can spray-coat several megawatts of solar panels per day – efficiently and safely. And...with an instant energy boost. The result: you maximize your investment, getting the very most from Feed-in Tariffs and boosting your revenues for years to come. Which is why this reliable, bankable turnkey solution is already installed in several multi-MWp capacity solar parks.

How does it work?

Our Anti-Reflective (AR) coating reduces the amount of sunlight reflected off solar panels, capturing more of the sun's energy and delivering higher output gains. The patented materials behind this technology are based on our proprietary core-shell particle

"Our Retrofit AR coating is proving to meet a clear and urgent need for owners of older solar parks who want to boost their module performance and extend the life of their investment. Give it a try."

Paolo Tusa | Commercial Manager DSM Advanced Solar

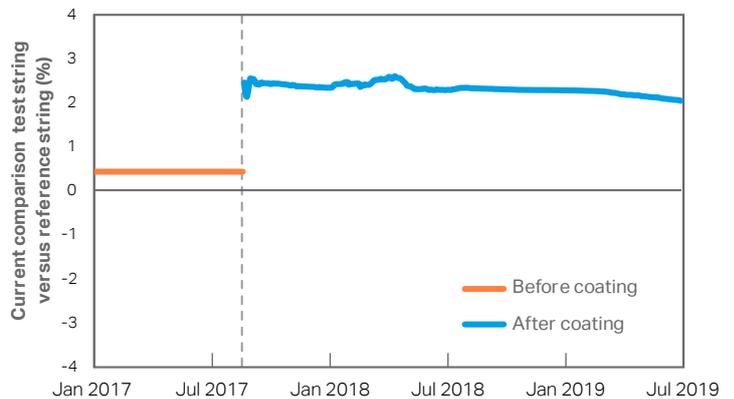


technology where we reverse the traditional nano-porous silica coating. The result is a product that is easy to clean, performs consistently – and can boost energy by up to 3%. It is applied to PV modules using a specially developed, automated spray coating system designed for optimum performance.

Tested to the limit

The Retrofit AR coating has been subjected to extensive (and independent) testing in both lab conditions and large-scale field trials with major European solar players – all of which have demonstrated stable power gains, with less than 10% loss in gain after two years.

Difference in current before and after coating – outdoor



2016-2017

Small scale field trials

2018

Large scale field trials with selected partners

2019

Commercialization Europe

2020

Launch China



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¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document. Edition: August 2021 · Printed in Germany