



# Transforming the way retail works

How DSD is helping IKEA Retail U.S. reach its ambitious goal of being powered by 100% renewable energy while increasing energy efficiency by 2025.

**6.78 MW**  
of clean solar energy

**5.25 MWh**  
energy storage capacity

**7,610 MT**  
of CO2 eliminated  
*(equivalent)*

## The Challenge

In 2012, IKEA announced its "People & Planet Positive" strategy. With this ambitious initiative, the world's largest furniture retailer challenged itself to become a circular and climate positive business by 2030. This was to include, as well, being powered by 100% renewable energy across all its retail operations by 2025.

Big plans require big thinking — and, in this case, accelerated action. In the US, IKEA needed a renewable energy partner that was creative, nimble, rigorous and tenacious. And, one that would be accountable for seeing this vision realized. Enter DSD.



### An excerpt from IKEA's People & Planet Positive Initiative:

"The IKEA vision, to create a better everyday life for the many people, is our inspiration. We must transform our way of working — from linear to circular; from only using to also regenerating resources. As a business reliant on natural resources and people, this will also mean that we can secure the future of the IKEA business ... and the livelihoods of the millions of people that contribute to it."



# The Outcome

The project started with eight IKEA Retail US locations across California and Maryland. The rooftop solar units needed to be powerful enough to draw a spectacular amount of energy. And, the solar carports had to be light on support beams to allow for loads of open space for cars to park.

When complete, the eight solar projects collectively provide nearly 11GWh of clean energy production each year in total: the carbon equivalent of planting 125,000 new trees. This includes energy storage systems (ESS), used by five stores, which lets them store solar energy for later use. That makes clean energy available whenever it's needed — even during peak demand — lowering energy usage, and costs, from the grid.



125k trees planted\*



\*Carbon-displacement equivalent.



**“Our solar solution not only has a positive impact on the planet, it has a positive impact on our bottom line. We see a return on investment and a decrease in our operational costs.”**

**Jennifer Keesson**

Sustainability Manager  
IKEA US

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