PHOTOVOLTAIC FAÇADE

RENOVATION

Genentech in Oceanside, California, incorporates Onyx Solar's **innovative photovoltaic glass** into its ventilated façade and curtain walls. The **photovoltaic cladding** spans **15,000 square feet** and generates a nominal power of **202 kWp** of **clean energy**. In addition to its ability to produce renewable energy, this glass provides **thermal insulation** and an attractive **gray finish** that integrates seamlessly into the building's design.

This project is an excellent example of how **renewable energy** can be efficiently integrated into **biotech facilities**, supporting **Genentech's Net Zero Energy goals** and **reducing energy consumption**. With an estimated lifespan of 30 years and an energy payback time of less than three years, the photovoltaic glass ensures sustainable and cost-effective long-term operation.

Onyx Solar's **OneMeterOneTree** initiative further reinforces the project's **positive environmental impact** by planting one tree for every square meter of photovoltaic glass produced, promoting carbon capture and greater **environmental responsibility**

TECHNICAL DATA

Nominal Power (Wp/m²)	108 Wp/m²
Visible Light Transmittance (VLT)	21%
Solar Factor (g-value)	9%
U value (W/m²K)	1.2
U value (Btu/h ft² °F)	0,21
Light Reflection (external)	8%

BACK TO START ▲

GENENTECH
CALIFORNIA, UNITED STATES

CURTAIN WALL

CRYSTALLINE SILICON TECHNOLOGY