

PHOTOVOLTAIC FAÇADE RENOVATION

This project combines cutting-edge photovoltaic technologies, integrating **crystalline silicon cells in DEEP BLUE shades and amorphous silicon glass in various transparencies**. The design features photovoltaic glass from Onyx Solar, carefully selected for their varying degrees of transparency and color to enhance both the visual and functional appeal of the building's spaces.

The project has installed an extensive photovoltaic **curtain wall, covering 853 m²**. This wall is strategically oriented towards the south and partially to the east to maximize the penetration of natural light. It is not only aesthetically pleasing but also optimizes energy efficiency, creating a bright and welcoming atmosphere in the university's lobby while promoting environmental sustainability.

The inclusion of specialized glass that combines different levels of transparency with air-insulated chambers ensures exceptional thermal comfort and **effective insulation against the cold climate typical of Ávila**.



UCAV LABS
UNIVERSITY AVILA, SPAIN

FAÇADE

CRYSTALLINE & AMORPHOUS SILICON TECHNOLOGY

