



COMMERCIAL TECHNOLOGY CENTER

NET-ZERO COMMERCIAL/INDUSTRIAL FACILITY

CLIENT Private Investment Fund | **LOCATION** Mariel, Cuba | **SIZE** 30,000 sf

PROJECT SCOPE

The proposed Commercial Technology Center (CTC) is organized around a large, flexible hall framed by simple linear building forms. A repetitive structural grid creates adaptable interior spaces that can accommodate changing operational needs over time.

Commercial office space anchors one end of the building, while glazed façades at both ends provide transparency and connect the interior functions. This open design reinforces the relationship between offices, education and training, research, business incubation, and shipping logistics, creating an integrated environment that supports the complete business development process.

Designed to capitalize on Mariel's abundant solar resources, the facility features a rooftop photovoltaic array sized to achieve Net Zero energy performance. The expansive solar canopy is capable of generating up to 3.2 megawatts of power, producing approximately 9.3 million kWh of surplus energy annually after meeting the building's estimated 4.65 million kWh yearly demand. This excess renewable energy can be distributed to support future development throughout ZED Mariel.