

Project: Scada Building

Team: Bilgin Architects

Size: 2778 m²

Location: Karapınar, TURKEY



Feature:

Project - Set within the arid landscape of Turkey's Karapınar region, the elegantly minimalist Kalyon Karapınar Central Control Building by Bilgin Architects establishes a subtle yet striking presence. Acting as an interface for the expansive 1,350 MWp solar power plant that will be Europe's largest upon completion, the structure embodies a sensitive dialogue with earth and sky. Its reflective façade gracefully integrates the building into the topography through continually shifting colorations that mirror the desert context. Comprised of over 7,200 carefully positioned stainless steel panels in varying opacities, the double-layered skin optimizes daylight while reducing heat gain. The ephemeral quality produced connects interior and exterior spaces. Inside, the ground-level plan centers around a verdant courtyard oasis that provides a relaxing respite and anchors circulation through the foyer, cafeteria, and multipurpose hall. Sustainability guided the project, from the considered siting to plant selections requiring minimal irrigation. Elegant and responsive, the control building acts as a beacon for the future of renewable energy. Its evocative design lyrically translates cutting-edge functionality into an uplifting user experience.

Design Team - Founded in Istanbul in 2014 by partners Caner Bilgin and Begüm Yılmaz Bilgin, Bilgin Architectural Design Studio is dedicated to creating unique, high-quality architectural projects across a range of scales. Their design process emphasizes human experience through buildings that are economical, sustainable, and spatially exceptional. The firm has participated in 11 national architectural competitions since 2014, winning 7 awards including 3 first prizes, allowing them to carry designs through to construction. Bilgin shares architectural knowledge through university lectures, juries, seminars and workshops. The founding partners' varied international educational experiences, including time at Technische Universiteit Eindhoven, inform their contextual, collaborative practice.