Renewable Energy at OSTIM Technical University

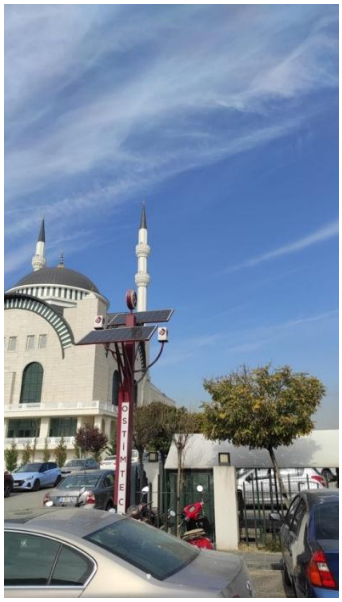
By producing its own renewable energy, a university operationalizes SDG 12 through cleaner energy consumption, responsible procurement, waste reduction, and circular resource management. Solar energy transforms the campus into a living sustainability laboratory—reducing ecological impacts, lowering operational costs, and fostering a culture of responsible consumption for future generations.

OSTIM Technical University places great importance on renewable energy. The university's new campus, currently under construction, is being designed and built to utilize solar energy.

Below is technical information about the university's infrastructure for renewable energy.

Solar panel located at the back yard and the car park of OSTIM Foundation

0.32 kW × 24 × 365 × 0.16 ≈ 450 kWh/year (mono crystal panel)
450 kWh/year x 60 panels ≈ 27,000 kWh/year
Total : 27,000 kWh/year




Solar panel located at the main entrance of the university

0,32 kW × 24 × 365 × 0 ,16 ≈ 450 kWh/year (2 solar panels 320 watt mono crystal panel) Total 900 kWh

0,05 kW × 24 × 365 × 0,05 ≈ 28,5 kWh/year (2 solar panels 50 watt poly crystal panel) Total 28,5 kWh

Total = 928.5 kWh

General Total = 27,928.5 kWh/year