

## PROJECT DESCRIPTION

Omicron Ercis Solar PV Project with a total capacity of 9.95 MWe aims to exploit the solar power potential within the borders of the Edremit District, Van Province. The plant is expected to produce 19,931 MWh/year of energy equivalent in the first full year of production. The energy produced will allow saving of 11,066 tCO<sub>2</sub>/year.

## ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Soil & water quality/air emissions during construction / operation activities;
- Community/labor health and safety;
- Labor and working conditions;
- Stakeholder Engagement;
- Impacts on flora and fauna and landscape (The Omicron Ercis SEPP is located around the Dönemeç Delta Wetlands directly to the south and West).
- Cumulative Environmental & Social Impacts
- Land acquisition process
- Visual Impacts

## MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- The final EIA decision has been obtained;
- Supervision of construction activities by Environmental; Health and Safety experts;
- Implementation of formal EHS Management System;
- Implementation of human resource policies and procedures and workers' safety and protection action plans;
- Implementation of stakeholder engagement activities through Corporate Social Responsibility (CSR) Plan;
- Implementation of internal/external grievance mechanisms for workers and community;
- Implementation of visual impact assessment studies;
- Undertaking cumulative impact assessments studies;
- Top soil management before/during construction and operation;
- Fauna and flora monitoring (particularly for bird species) by implementing additional surveys and assessments

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### GENERAL INFORMATION

<b>Project Location</b>	The Edremit District, Van Province
<b>Technology</b>	PV Solar Power Plant
<b>Plant Capacity</b>	9.95 MWe
<b>Annual Energy Production</b>	19,931 MWh/year
<b>Annual CO<sub>2</sub> Reduction</b>	11,066 tCO <sub>2</sub> /year

### TIME SCHEDULE

<b>Start of Construction</b>	March 2019
<b>Expected Commercial Operation</b>	September 2019

### FINANCIAL PARAMETERS

<b>Total Project Cost</b>	USD 17,889,970
<b>MidSEFF Loan</b>	USD 6,174,000
<b>Payback Time</b>	7.54 years
<b>Internal Rate of Return</b>	10.05 %