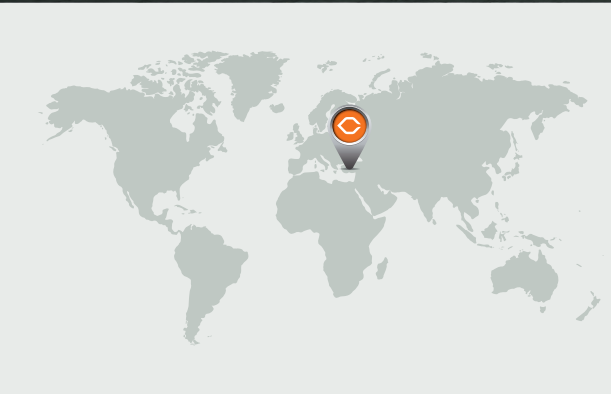


Kumkoy, Social Hydro

Project Location: Turkey



This 17.5MW hydropower project generates clean energy from the natural flow of the Yeşilirmak River, Turkey. In the absence of the project, the same electricity would have been generated by fossil fuel powered stations. Greenhouse gas emission reductions are achieved by displacing carbon-intensive energy generations with renewable energy.



Sustainable Development Goals

SDG 7 - Ensure access to affordable, reliable, sustainable and modern energy for all

The natural flow of the Yeşilirmak River is used to produce hydro-electricity, removing reliance on a dam or reservoir. The project has expanded the local grid capacity, allowing more towns to connect to the grid.

SDG 9 - Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

The project has improved the drainage channels that irrigate the Çarşamba plain. The improved drainage has led to reduced flooding and increased land area enabling communities to build infrastructure networks.

SDG 15 - Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Aids the protection of local wildlife and biodiversity against illegal hunting and fishing. The project also contains an active fish ladder allowing the migration of fish species.

