



## “SUN FOR ALL”: clean energy project in Ticino, South Switzerland

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Models for the sharing of renewable energies via power - network

### Solar

#### *What is the solution?*

Thanks to the "Sun for All" product, homeowners and tenants have the possibility to buy shares in photovoltaic installations located in their areas. Everyone can use solar energy immediately and without the costs generated by individual installations. Each share is equivalent to 1,000 kWh/year of energy produced exclusively by photovoltaic panels installed in the area. Depending on availability, there are no limits on the number of shares that can be purchased. Achievements: • Installed power 445 kWp.

#### *Why does the solution work in terms of compatibility with conservation and technical aspects?*

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#### *Description of the context:*

The "Sun for All" project has existed since 2011 and is promoted jointly by Aziende Industriali di Lugano (AIL) SA, Aziende Municipalizzate di Bellinzona (AMB) and Aziende Industriali di Mendrisio. (AIM), Aziende Municipalizzate di

Stabio (AMS) and Società Elettrica Sopracenerina (SES). The initiative offers anyone who is a customer of these distribution companies the possibility to purchase shares in photovoltaic installations located in the corresponding area. It does not matter if you are the owner of a house or tenant or if you live in an area that is not favourable from the point of view of sunshine: everyone can become a self-producer of solar energy.

*Pros and cons of the solution:*

Citizens can contribute personally to the development of renewable energy in Ticino while reducing the price of their electricity bill. With "Sole per tutti" in fact, the value of the participation fee is paid only once at the time of subscription and therefore the cost of electricity is fixed for the next 5, 10 or 20 years (depending on what was decided at the time of subscription) against an upward trend in market prices expected in the coming years. You also save up to 30% of costs compared to building your own photovoltaic system and do not have to worry about maintenance.

*Type of data available (level of information, simulation):*

<https://www.ail.ch/privati/elettricita/prodotti/sole-per-tutti.html> Brochure sole per tutti privati.pdf 2018-Tagliando Sole per tutti AIL.pdf The plant in Barbengo, an example recently built: 7'000 thousand square meters of surface covered with panels will provide energy to over 200 families. An initiative project of the Companies industrialists of Lugano, who support the work, in return from this roof will yield 1,000 megawatt hours per year, that is. energy for 220 families, as part of the "Sun" project for all"

<https://www.rsi.ch/news/ticino-e-grigioni-e-insubria/Fotovoltaico...-monumentale-10606329.html> -Global Energy Prize 2003, Eurosolar 2002 (citation) and Photovoltaic Architecture Prize Baden-Württemberg (2nd prize)

*Are there any related publications or pictures of the solution?*



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