

# IMPACT SUMMARY 2018

In 2018, **acciona.org, The Energy & Water Foundation**, continued and extended its activity of bringing access to electricity, as well as other services, to very-low-income communities without prospects of having supplied those needs.

This work, which impacts on the three dimensions of Development –economic, social and environmental–, **is aligned with the UN’s 2030 Agenda for Sustainable Development, and with the achievement of its 17 Goals.**

The acciona.org programmes for basic electricity service provision, with **second and third generation solar home systems –SHS and 3GSHS–**, brought access to affordable electricity to more than **12,100 low-income households (more than 50,100 people)** in isolated rural communities.

More than 50,100 users, living in poverty and extreme poverty, **saved about 900,000 € in alternative energy elements and could spend about 7,360,000 additional hours in their daily activities** due to having electric lighting.

**More than 19,500,000 h of electric lighting were available for users to reduce the employment of harmful alternative means** (candles, kerosene, firewood), and so avoid lung and eye diseases due to smokes and not-enough lighting brightness.

Almost 12,500 schoolchildren used more than **740,000 additional hours to do their homework**, that return the extension of their primary schooling in 0.4 years and the increase of children registered in secondary school in 11%.

More than **625 women collaborating as members of the Photovoltaic Electrification Committees, and 3 women being in charge of their Centros Luz en Casa**, are part of the 18,720 female users who developed their daily tasks (paid or not) easily, besides almost 8,000 girls who did their homework with adequate lighting.

**19 Centros Luz en Casa franchised by local entrepreneurs, as well as the electricity provided to users with small businesses in their homes**, contributed to employment and economic growth in the attended communities.

The acciona.org’s service delivery models innovate in technological, economic and managerial aspects, such as the **introduction of 3GSHS with prepayment in the Peruvian Amazonia and Panama**, as well as the **initiative of including the electricity service offered with them in the Peruvian regulation**, and the **participation in the consultations previous to the publication of the official tariff in 2018**.

acciona.org **started to offer basic electricity service in indigenous, rural communities of Panama**. It continued thus mitigating inequalities between urban and rural areas, by reducing non-electrified rural and indigenous communities in the regions of activity.

The total of solar home systems in operation **avoided the emission of more than 2,710 t CO2, and the use and non-controlled disposal of 16.2 t batteries** due to the use of efficient lamps and electric devices to connect to those systems.

acciona.org collaborated with the Spanish Cooperation and local, regional, and country authorities in Peru, Mexico and Panama. It **developed its activities with other public and private entities, as well as other organizations with the same aim**, such as those in the Table on Universal Access to Energy, the Latin American Platform of Sustainable Energy and Equity (PLESE) and the Alliance for Rural Electrification (ARE).

