



Business Action for sustainable and resilient societies

OMC Power is a small-scale solar plant operator that supports rural areas in India with clean and affordable electricity services by relying on smart grid technology.

OMC Power builds, owns, operates and maintains solar power plants and mini-grids in rural areas of India where the quality and supply of electricity is unreliable. It provides clean electricity services to rural communities using smart grid and technology which can be programmed for each customer based on their requirements for the time and duration of the power supply. The pre-paid model ensures effective and affordable delivery of electricity for individuals, small business owners and larger companies

Credit Suisse has performed more than US\$77 billion in renewable energy transactions since 2010. 76% of the electricity consumed in Credit Suisse offices in 2017 was generated using renewable energy.

Credit Suisse began monitoring and scaling its financial transactions for renewable energy in

2010, and has since then performed 100 transactions worth more than US\$77 billion in solar, wind, geothermal, biomass energy and biofuels. The company also strives to source its energy used in office buildings from climate-friendly sources. In 2017, a total of 321 million kilowatt hours or 76% of the electricity consumed by Credit Suisse globally was generated using renewable energy.

Thai Union installed 2,970 solar panels at its Samutsakorn Province factory to avoid accumulated heat and air conditioning power consumption, reducing 720 tons of CO2 emissions per year.

The project also reduced accumulated heat in the plant's building, and thereby its power use from

air conditioning. To ensure safety, leak prevention measures and appropriate grounding conductors were incorporated. The success of this pilot project has inspired other organisations in Thailand and has generated significant interest for site visits from both domestic and international governments as well as private sector representatives.

Google is using machine learning to reduce the amount of energy used for cooling data centres by 40% and 15% for overall energy overhead.

Google's leading artificial intelligence research group, DeepMind, has developed machine learning technology that reduces the amount of energy used for cooling

data centres by 40% and 15% for overall energy overhead. Using historical data and a system of neural networks trained on different operating scenarios and parameters within Google's data centres, the company uses the ratio of building energy usage to IT energy usage to ensure that energy consumption does not exceed its operating constraints. Google aims to publish its findings to enable other data centres to make the same energy savings in the future



IBERDROLA S.A

CEOE

CONFEDERACIÓN ESPAÑOLA DE ORGANIZACIONES EMPRESARIALES



SPAIN

"Electricity for all" Program



RELATED SDGS GOALS



SDGS 169 TARGETS

7.1 Ensure universal access to energy services

PRIMARY COUNTRY

Brasil

OTHERS

Mexico, Brasil, Tanzania

2 IMPACT ON SOCIETY

Improves the quality of life of people, reduces inequalities between men and women and in, among others, the significant reduction of emissions by avoiding the burning of biomass or other compounds with high CO₂ content. With the Electricity for All program, Iberdrola launched a specific program focused on contributing to the SDG 7 -affordable and non-polluting energy-, in particular the goal 7.1-By 2030, guarantee access universal to affordable, reliable and modern energy services. It responds to the group's decision to make SDGs, the United Nation's agenda for the 2030 horizon, part of our strategy.



1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

"The "Electricity for all" program of Iberdrola aims to ensure access to electricity in developing countries, through modern forms of energy, with environmentally sustainable, economically acceptable and socially inclusive models.

It has three lines of action:

- Investment in capital.
- Activity linked to Iberdrola's business
- Projects with a high social component

The program was launched in January 2014, and a total of 5,4M have benefited from access to electricity in different countries in Latin America and Africa by the end of 2018. The initial objective (4M in 2020) was achieved in December 2017, and published a new objective: 16M of beneficiaries by 2030.

URL

<https://www.iberdrola.com/about-us/society/disadvantaged-groups/electricity-all-program>



URL

<https://www.iberdrola.com/press-room/news/detail/2030-iberdrola-will-bring-electricity-million-people-emerging-developing-countries-present-live-without>





WACKER Polysilicon for Photovoltaics

RELATED SDGS GOALS



PRIMARY COUNTRY

Worldwide

13. High purity polysilicon from WACKER has contributed to the breakthrough of solar energy. Polysilicon in solar saves huge amounts of green house gases. The photovoltaic industry is today a global market with high growth potential. High purity polysilicon is the key raw material of this industry. As a pioneer, WACKER is today one of the world market leaders in the production of this exceptionally pure material and quality leader, enabling highest efficiencies.

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE



The research & development, production and marketing of the necessary raw material polysilicon for renewable energy contributes significantly to achieving the development goals 7 and

2 IMPACT ON SOCIETY

- Enhancing access to affordable energy
- Supporting food preparation, heating homes and clean drinking water
- Supporting business activities



URL

https://www.wacker.com/cms/en/products/brands_2/polysilicon_1/polysilicon.jsp

