



Lebanon Energy Efficiency & Renewable Energy Finance Facility



LEEREFF

SUPPORTED BY **Banque du Liban**

Sustainable Energy Investment ➔ *Improved Business Results*

***Opportunities for
Suppliers***

WHAT IS LEEREFF?

LEEREFF stands for 'Lebanon Energy Efficiency & Renewable Energy Finance Facility'. LEEREFF is a dedicated credit line for sustainable energy investments in:

- Renewable energy
- Energy Efficiency in business and industry
- Green Buildings (Commercial Buildings only!)

Investing in energy efficient or renewable energy technologies, companies benefit directly from energy savings as well as modern technologies, whilst making a contribution to lowering the overall energy demand in Lebanon.

LEEREFF supports investments in energy efficiency and renewable energy:

- By providing longer-term loans, funded by EIB/AFD and channeled via selected Partner Banks
- Through favorable interest rates, subsidized by BDL
- Supporting investors with free technical assistance, provided by a team of international and local engineers, financed by the EU

Note: the LEEREFF team has no influence over the lending decision of Partner Banks.

WHO CAN APPLY?

All private enterprises formed under the laws of Lebanon and operating in Lebanon:

- Production companies, ranging from large factories through to bakeries, small technical and crafts workshops
- Service businesses, ranging from media companies, tourism companies through to hair dressing salons and dry cleaners
- Sole proprietors
- Any other private legal entities, including Energy Service Company (ESCO)

ESCOs should ensure that the energy performance contract includes a guarantee for a certain percentage of energy savings and that the loan incentives made available to the ESCO are at least partially passed on to the end-user.

Applicants must ensure that their **business activities are not in conflict** with the EIB/AFD rules of exclusion.

Excluded business activities include:

- Gambling
- Real estate with the aim of making profit on sales in the short and medium term
- Manufacture, supply or trade in arms
- All other activities excluded by the EIB and/or AFD (see this link for details: <http://www.eib.org/about/documents/excluded-activities-2013.htm>)

Note: The residential sector (including individual housing) and public sector projects are not eligible for LEEREFF financing.

LEEREFF LOAN PRODUCTS

LEEREFF offers two different loan types to meet the varying investment needs of companies. A **STANDARD LOAN** (€40,000 - €250,000) for standard equipment selected from our List of Pre-Assessed Technologies and **NON-STANDARD LOAN** for investments >250,000 - €15 million, for all non-standard technologies.

STANDARD LOANS:

Loans for standard investments are designed for clients who are planning to implement more simple energy efficiency or renewable energy measures, with an investment volume from €40,000 to €100,000 for single measures and up to a maximum of €250,000 for multiple measures.

Standard investment loans are restricted to devices and models, which have been pre-assessed by the LEEREFF team of experts. This list currently covers the following technologies:

- Thermal insulation and windows
- HVAC systems
- Monitoring and Control Systems
- Pumps, compressors and Motor systems
- Renewable Energy systems (PV, SWH)

All items on the List of Eligible Technologies (LET) were selected on the basis that they meet the LEEREFF requirement of saving **at least 20% energy**.

The full LET is available on our website: www.leereff.com, or upon request from info@leereff.com.

For items currently not listed, please contact the project office with product details and our team of engineers will evaluate the technology for possible inclusion.

NON-STANDARD LOANS:

These are for investments of >€250,000 - €15 million. Eligible investments include:

- General energy efficiency investments in industrial and commercial companies
- Green Buildings (Commercial)
- District Heating and Cooling Systems
- Co-generation of Heat and Power
- Renewable Energy, including:
 - Wind
 - Biomass
 - Hydro Power
 - Solar energy
 - Geothermal Energy

LEEREFF loans can cover up to 80% of the investment cost. LEEREFF loans can be supplemented by companies' own funds, a NEEREA loan or a conventional bank loan.

HOW SUPPLIERS CAN WORK WITH LEEREFF

Suppliers can work with LEEREFF in the following ways:

FOR STANDARD TECHNOLOGIES

If you are a supplier of Thermal insulation, HVAC systems, Monitoring and Control Systems, Pumps, Compressors and Motor systems, PV systems or Solar Water Heaters, the following cooperation possibilities are open to you:

- If your technology generates **at least 20% energy savings**, get your equipment included in our List of Eligible Technologies (LET). This list is continuously updated and is available to Partner Banks and to potential investors from our website and from our project office. Contact our project office with details of the equipment you would like to propose for inclusion in the LEEREFF LET.
- Make your clients aware of LEEREFF availability and advantages and help them apply to one of the LEEREFF Partner Banks.

FOR NON-STANDARD TECHNOLOGIES

Are you in the process of developing an Energy Efficiency project or a project that will lead to energy savings or a renewable energy project for your client? Suggest LEEREFF financing to your client. Even if you are supplying a new production line, the project may meet the LEEREFF energy saving criteria (see below).

TECHNICAL ELIGIBILITY CRITERIA

Green Buildings (Commercial):

- LEED (or equivalent) Platinum standard: LEEREFF can finance up to 36%
- LEED (or equivalent) Gold standard: LEEREFF can finance up to 28%

General Energy Efficiency Projects (Non-Standard Investments)

- Project generates >20% energy savings OR energy savings cover 50% of investment costs over the project lifetime, using 5% discounted rate

District Heating / Cooling:

- Heat mainly produced from high efficiency co-generation or RE
- Must be competitive vis-à-vis individual boilers in buildings

High Efficiency CHP

- Meets EU Directive 2004/8/EC

Renewable Energy:

- Solar: certified technology; site-specific irradiation yield assessment for >0.5 MWp.
- Hydro: Electricity generation cost base load <€120/MWh based on 5% real discount rate and 20 years economic lifespan. Large hydro-dams are excluded.
- Biomass: uses sustainable resource; Electricity generation cost base load <€120/MWh based on 5% real discount rate and 15 years economic lifespan. Biofuels are excluded.
- Geothermal: Electricity generation cost base load <€120/MWh based on 5% real discount rate and 20 years economic lifespan. Drilling excluded from LEEREFF financing.
- Wind: On-shore only; >1 year on-site wind measurements; Electricity generation cost base load <€120/MWh based on 5% real discount rate and 15 years economic lifespan.





LEEREFF LOANS CAN COVER UP TO 80% OF THE INVESTMENT COST
LESS FOR GREEN BUILDINGS



LEEREFF

SUPPORTED BY Banque du Liban

Developed & Supported by:

				
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3rd Floor Nassif Karam Building, 240 Badaro Street, Beirut | +961 1 389 588 | info@leereff.com | www.leereff.com

