

The Lebanese Solar Energy Society-LSES



Presented by:

Youssef Ghantous – President of LSES

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Email: admin@lses-lb.org

Tel: +961-1-85 30 47



The Lebanese Solar Energy Society



MISSION STATEMENT

Towards a Lebanon Run By Renewable Energy



LSES Background :

- LSES was established in 1980 as a non-profit.
- LSES members included solar energy professionals , university professors, chemical, mechanical and electrical engineers.
- Due to the war in Lebanon, from 1975 to 1990, it's suspended its activities.
- Not until the start of 2002, LSES was able to resume its activities with new members, new elected administrative board and new challenges.
- LSES has been an active player in promoting RE in Lebanon.



LSES Main Objectives

- ✓ Provide a platform for professionals & individuals who support RE
- ✓ Develop educational and training programs in the various renewable energy fields .
- ✓ Create awareness among the public on renewable energy matters .
- ✓ Take part in scientific activities, exhibitions and seminars in accordance with the objectives of the association.
- ✓ Back up initiatives aiming to elaborate laws to increase the Solar energy market.



Current Activities and Initiatives

- ✓ LSES is an active part of many professional bodies promoting Renewable Energy through lectures and through participation in the Energy committee in the OEA
- ✓ Engaged in the assessment, design and supervision of solar well pumping projects under OXFAM and WASH program financed by the EU
- ✓ PV panels tax exemption initiative - Reduce Customs on renewable energy products.
- ✓ LSES Will launch a prize for Building integrated solar projects to recognize renewable energy integration in buildings



Current Activities and Initiatives

- ✓ LSES under Mercy Corps program provided training and capacity building in three Lebanese regions for Solar Water heating installation
- ✓ LSES is collaborating with other NGOs locally and internationally to be part of many EU and local initiative in energy efficiency and solid waste management and valorization
- ✓ Eco truck performing visits to different schools and institutions

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Collaboration and Partners






Current Activities and Initiatives

- ✓ LSES is an active part of many events promoting Renewable Energy through lectures and events within OEA and BEF and in collaboration with other NGOs like OXFA , VIDES, Rotary Clubs
- ✓ Engaged in the assessment , design and supervision of solar well pumping projects under OXFAM and WASH program financed by the EU
- ✓ Providing RE students internships within and MOU with NDU
- ✓ PV panels tax exemption initiative - Reduce Customs on renewable energy products.
- ✓ Part of NGOs consortiums involved in EU programs for environment and RE initiatives.



Current Activities and Initiatives

LSES TRAINING PROGRAM ON SOLAR HEATERS INSTALLATION




PROJECT DESCRIPTION	<p>As part of an agreement with Mecer Corps (an NGO) , LSES will carry out a ten day training for starter level persons interested in learning basic and advanced skills in solar water heating installation. The aim is to create capacity building program for persons in fairly rural areas.</p> <p>The first of such training workshops is planned in Bekaa (Zahle preferably) on 12 June . The program is for 10 days 5 of which are in classes and 5 days in site workshops.</p>
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PROJECT SUMMARY

<i>Type</i>	Training
<i>Year</i>	2017
<i>Supported by</i>	Mercy Corps
<i>In Collaboration with</i>	-
<i>Beneficiary</i>	Technical Students Across Lebanon

PARTNERS



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Cooperation with universities:

LSES Partnership with NDU



An **MOU** agreement with Notre Dame university will benefit the students :

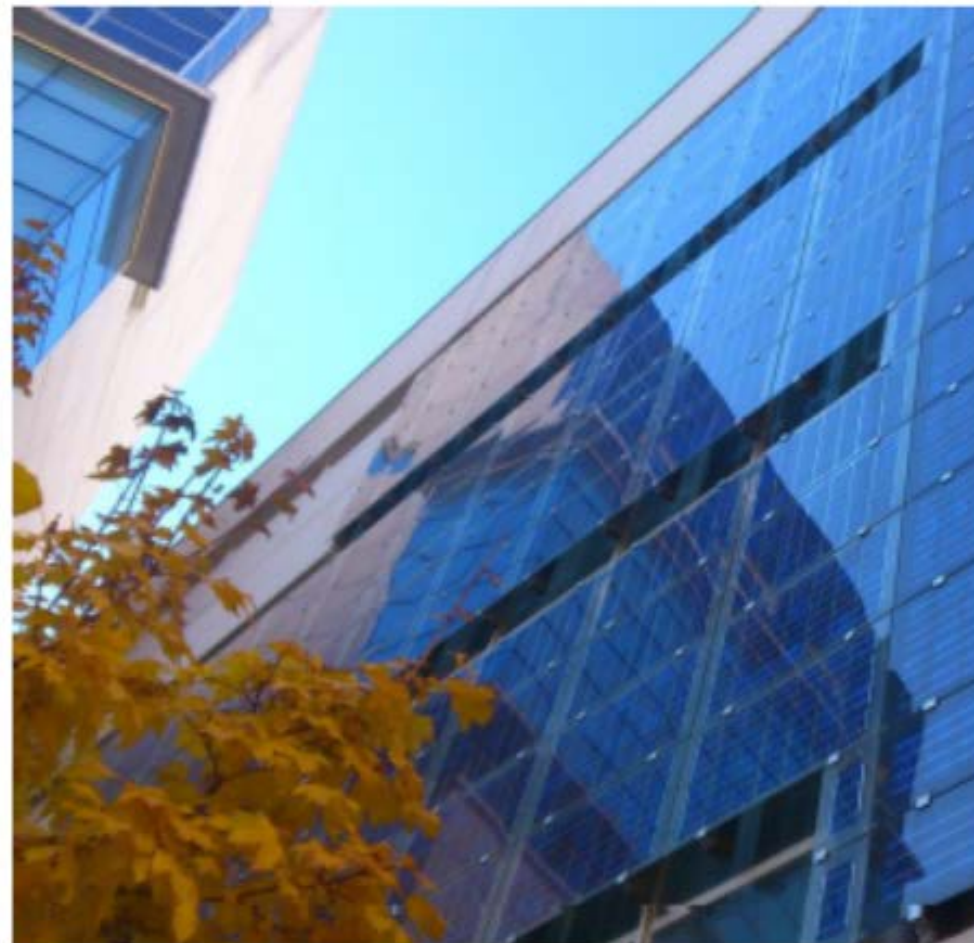
- ✓ Great opportunity for engineering students to do internships at LSES
- ✓ Help students to find Green Jobs
- ✓ LSES will participate in organizing renewable energy events and programs for the students.

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Integrated Building Solar Technologies Prize

Solar Building Award



Building-integrated
Solar
Technology

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ECO Truck



This mobile sustainability class room was an initiative by LSES and IRI aimed at students in private and public schools:

Tens of visits performed so far :

Truck Equipped with:

- ✓ A clean combustion engine
- ✓ Off-grid cabin
- ✓ Photovoltaic panels
- ✓ Wind turbine
- ✓ Solar heating
- ✓ Heating stove wood pellet



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Main Industry Incentives /Challenges in Lebanon

- ✓ Providing Reasonable financing mechanism has proven to be the the number one incentive : lack of finance means lack of business.
- ✓ Public Awareness of the environmental and financial benefits of the RE systems . This should start from students , to engineers
- ✓ On a utility scale , the planned RE projects tendering process to be accelerated and normalized
- ✓ Providing investment incentives for using RE in buildings and institutions : increasing the allowable construction area , allowing solar canopies etc . To be worked with the OEA and the DGU
- ✓ Reduce and remove customs and taxes on RE equipment (moving in the right direction



Main Industry Incentives /Challenges

- ✓ Increasing and facilitating the use of Net metering : solving technical problems and better informing the public
- ✓ Providing investment incentives for using RE in buildings and institutions : increasing the allowable construction area , allowing solar canopies etc.
- ✓ Reduce and remove customs and taxes on RE equipment (moving in the right direction
- ✓ Raise the Entry Barrier for Designers and Contractors who work in the field of RE and Solar Energy in particular : OEA and EDL and LCEC to organize certification criteria
- ✓ Raising the utility tariffs within the general electricity plan

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Thank you!

Q&A



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