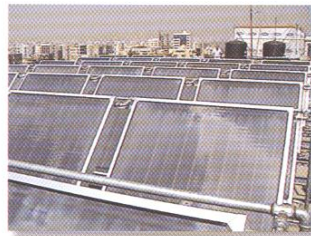


SOLAR & RENEWABLE ENERGY

Newsletter



By Lebanese Solar Energy Society LSES

Issue 1

April 2004

editorial

The Press

The Press conference on 18th of January 2002 at the Syndicate of Engineers and Architects in Beirut marked the starting point of the activities of the "Lebanese Solar Energy Society" LSES created in 1980 and reactivated end of 2001.

Among the founders and members of this society are Scientists, Designers, Manufacturers, Engineers, Traders (importers) and Installers who are joining their efforts to promote the Renewable Energy applications in Lebanon. The Society is aiming at leading any action and creating all the means as well as establishing contacts with the Public, National, International and private sectors in order to achieve its goal.

In February 2004 the Lebanese Solar Energy Society elected, in the presence of the representative of the Ministry of Interior, its new administration board composed by 11 members elected for two years as follows:

Mr. Walid El Baba	President
Mr. Mustapha Ghaddar	Vice – President
Mr. Mohamad Bakhour	Secretary
Mr. Youssif Ghantous	Treasurer
Mr. Jean Paul Sfeir	Accountant
Mr. Hussein Abdallah	Relation with the government

Dr. Fateh Sakkal , Mr. Kamal Sioufi , Mr. Moukhtar Beydoun , Mr. Rachid Bou Habib , Mr. Selim El Khoury as members.

We are glad to submit the first issue (April 2004) of the Solar and Renewable Energy Newsletter which the society decided to publish regularly three times per year.

We hope that this newsletter will help in forming a link among professionals, associations and persons interested in the development of solar energy in particular and renewable energy in general in Lebanon.

What were the achievements of LSES during the years 2002 – 2003?

After due consultation with all National partners like the Syndicate of Engineers and Architects, Industrial Research Institute (IRI), National Council for Scientific Research (NCSR), American University of Beirut Energy Research Group (ERG), Lebanese Civil Aviation – Meteorological service, and International organizations like Economic And Social Commission For Western Asia (ESCWA) and United Nations Industrial Development Organization (UNIDO),

We are pleased that our common efforts gave birth to the following events:

1st Solar Energy meeting on 18th of March 2002

Partner: Syndicate of Engineers and Architects Beirut

Subject: Role of the Syndicate of Engineers in developing and integrating the use of solar energy in buildings.

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2nd Solar Energy meeting on 30th of April 2002

Partner: Industrial Research Institute IRI

Subject: Quality control and certification of Solar Energy Industry.

3rd Solar Energy meeting at BIEL Beirut Center on 16th of May 2002 during the Project Lebanon 2002 fair and where LSES had a stand of 9 msq to create awareness for the use of Renewable Energy Sources (Lebanese Solar Energy Conference 2002).

Participation in the training session for solar water heaters held in Amman – Jordan on 18 to 21st of August 2002 organized by the National Energy Research Center – Jordan.

Participation in the Lebanese – Syrian Scientific days in Beirut in March 2003.

Subject: "Renewable Energy Sources and application" organized by National Council for Scientific Research (NCSR) – Lebanon.

Lebanese University

Supreme Council of Sciences – Syria.

Participation in the exhibition of Project Lebanon 2003 at Biel Center Beirut in a stand of 9msq.

Signature of a convention for co-operation between Industrial Research Institute (IRI) and the Lebanese Solar Energy Society (LSES) for a 3 years period starting 1st of June 2003.

Publishing of the Solar and Renewable Energy Lebanon guide 2003 in May 2003.

For the coming years our priorities will be to implement a fresh thinking including the development of new policy strategies and limited regulatory control, development of new and/or refinement of economic instruments and dissemination of awareness in the civil society at all levels.

To fully achieve these aims we are actively developing three main strategies with:

The Syndicate of Engineers and Architects – Beirut

- Elaboration of Norms and standards for solar energy application (thermal and photovoltaic) in co-ordination with Industrial Research Institute (IRI).
- Awareness campaign with a competition for the best project including an application of R.E.S in building, industry, agriculture, waste, water pumping etc..... launched by the President of the Syndicate Mr. Soubhi Bsat.

The Industrial Research Institute (IRI)

Future implementation, within the convention of co-operation, of a test platform for measuring the thermal and mechanical performances of thermal solar panels in the new premises of the IRI at LUC – Hadath, thanks to the contentous support of Dr. Bassam Frenn General Director of IRI.

The elaboration of a wind and solar radiation ATLAS for Lebanon from on site data bases.

We believe that such publication has a great information and data bases potential and therefore we do sincerely hope that national and International organizations will help in implementing such important data bases for the real development of Solar and Renewable Energy in Lebanon.

At the end and in order to create economical opportunity and jobs in Lebanon in the solar sector, LSES is willing to ask for the technical assistance and financial funding for establishing a technical expertise for a training and development center in Beirut as well as for participation in creating an Energy Service organization in contact with profit and not profit sectors under the umbrella of the Ministry of Energy and Water.



Activities / Highlights from the first 4 months of 2004

With its new elected board at the beginning of this year, the Lebanese Solar Energy Society has planned two important events during the first quarter:

■ The importance of developing frame works for the use of solar energy in Lebanon in collaboration with ESCWA and the Syndicate of Engineers and Architects – Beirut on 3rd of March 2004 on the premises of the Syndicate at Bir Hassan – Beirut.

Two recommendations were approved at the end of the workshop:

- The Announcement by the President of the Syndicate of Engineers and Architects, Mr. Sobhi Bsat of the Award for the best design project incorporating Renewable Energy application in Lebanon. The applications could be in construction, industrial, agriculture or tourism sectors in Lebanon.
- The creation of a committee for establishing the technical and legal frame work for developing, in Lebanon, the use of Renewable Energy Sources in general and Solar Energy in particular with the assistance of the Economic and Social Commission for Western Asia (ESCWA) of the United Nations in Beirut – Lebanon.

■ The UK experience in Renewable Energy organized, under the patronage of the Lebanese Ministry of Energy and Water, by the British Embassy in Beirut in collaboration with the Lebanese Solar Energy Society LSES and held in the Gefinor Rotana hotel on 16th of March 2004 followed by four workshops co-led by one expert from the U.K mission of experts and one member of the LSES.

The event was successful and gave an important move towards the awareness of the use of Renewable Energy Sources in Lebanon based on the UK experience in the various sectors (see main event article).

main event

Renewable Energy - The UK Experience

It was a great pleasure for the LSES to organize with the cooperation of the British Embassy a seminar on the UK experience in the Renewable Energy and its application in Lebanon.

The seminar was held on 16th March 2004 in the Gefinor Rotana Hotel followed in the afternoon by workshops on four topics co-led by UK experts and LSES experts.

The four workshops were:

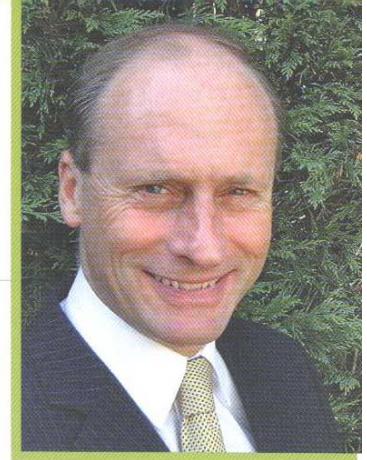
- Solar / Photovoltaic: Co-led by Bernard McNelis, IT Power and Mr. Ramzi Abu Said / Mr. Jean Paul Sfeir, LSES.
- Hydro and Wind: Co-led by James Thorneycroft, Halcrow Group and Dr. Ahmad Hourii, LSES.
- Energy from Waste and Biomass: Co-led by Richard Hogg, Compact Power and Dr. Rida Nuwayhid, ERG – AUB.
- Policy and Market Commercialization: Co-led by John Buckley, New and Renewable Energy Programme and Mr. Walid El BABA and Mr. Chafic Abu Said, LSES.

We herewith include the article prepared by Mr. John Buckley, Renewable Energy Trade Promoter UK's Department of Trade and Industry on this seminar.



main event

Trade Mission from UK to Beirut



**John Buckley, Renewable Energy Trade Promoter
UK's Department of Trade and Industry**

A Renewable Energy delegation from the UK visited Lebanon, for a programme of a regional workshop and site visits, in March. The programme was arranged through the Lebanese Solar Energy Society, and the British Embassies in Beirut, Damascus, and Amman.

The UK delegates were directors and senior managers from companies that are developing commercial renewable energy projects internationally; Bernard McNelis of IT Power, Richard Hogg of Compact Power, and Jim Thornycroft of the Halcrow Group, with John George from the Levant desk of UK Trade and Investment in London, and John Buckley, Renewable Energy Trade Promoter.

The one-day workshop, in Beirut, attracted some 120 delegates from Lebanon, Syria, and Jordan. It was opened by keynote speeches from the Dr Ayoub Hmayed; Lebanese Minister for Energy and Water, Kamal Hayeck; Chairman of the electricity company EDL, and James Watt; British Ambassador to the Lebanon..

In the working sessions, George Kamar, Senior Advisor to the Minister, described the present position in Lebanon of the use of hydro generation, and some solar water heating, the aim to re-structure the electricity industry, and an initiative to measure the wind resource. The UK delegates described the policies that have been introduced to support the deployment of renewable energy in the UK, and their experiences of developing commercial renewable energy projects there and internationally. Break-out sessions addressed issues of policy and the different technology areas of Solar, Hydro, Wind, and Biomass and Waste, as they are available within the region.

There was general recognition that with currently available technology there is already the potential in the region to add value economically through the increased use of solar water heating, wind energy, micro-hydro generation, and energy from waste. The main attractions of using these resources are their potential for cost saving, and the security of energy supplies. With suitable enabling policies, it was concluded, that the resources could be developed commercially without the use of aid funding to which many of them have been effectively constrained.

The international experience of the delegates was used in reaching conclusions that apply generally to successful development of renewable energy projects, and which should be useful when considering the increased use of renewable energy in the Levant. For all the renewable energy technologies, it was noted that general awareness of the available resources and of their potential is needed. Quality Assurance standards to provide confidence in the equipment used are important, particularly for stand-alone solar water heating and micro-hydro generation. For grid-connected generation, particularly relevant to energy from wind, larger-scale hydro, and the use of wastes, it is important that supportive policies provide for efficient access to the electricity distribution grid, and the availability of secure Power Purchase Agreements. For Energy from Waste projects, it is important that waste management regulations are universally applied, so that the benefit of disposing of waste can be reflected in the form of a "gate fee".

The UK delegates are grateful for the mission arrangements, and value the new friends and contacts that they have made; and share a belief in the future value of renewable energy for the whole region. They are all following up contacts and interest established during the mission, and some enquiries involve also the possible use of the new "Carbon Credits" through the Clean Development Mechanism, to provide a further source of revenue as countries ratify the Kyoto Protocol.

For further information about Renewable Energy capabilities from the UK, you are invited to contact Paul Khawaja, British Embassy Beirut (Paul.Khawaja@fco.gov.uk), Amin Sabbagh; British Embassy, Damascus (Amin.Sabbagh@fco.gov.uk), Dina Juma; British Embassy, Amman (Dina.Juma@fco.gov.uk) , or John Buckley, DTI Trade Promoter (John.Buckley@pera.com) .

Coming event

PROJECT 10th LEBANON 2004 ANNIVERSARY

The 10th International Trade
Exhibition for Construction
Technology, Building
Materials, Equipment and
Environmental Technology for
Lebanon and the Middle East

11 - 15
MAY 2004

BIEL - Beirut International
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The Right
& Time
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Member of:



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- Dar Al Handasah
- Industrial Research Institute [IRI]
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Official Hotel: 
MÖVENPICK
Hotel & Resort Beirut

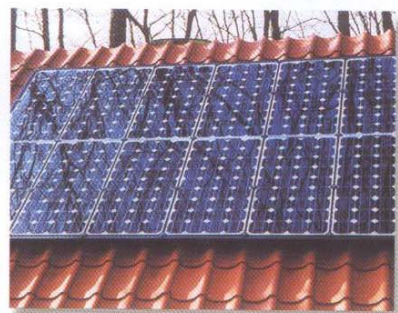
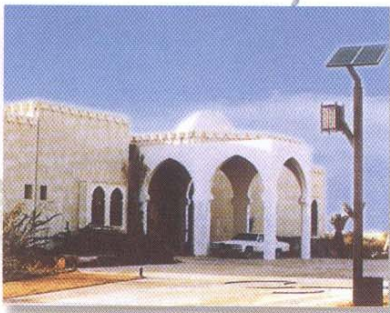
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We Have Big Dreams



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