

# List of consultants and specialized suppliers involved in the technical activities of the NEEREA financing mechanism

Version 6, dated 26 March 2018

## A Guiding List Suggested by The Lebanon Committee of The World Energy Council (WEC)

### **General Notes and Comments:**

- This list is issued by the Lebanon Committee of the World Energy Council (WEC) in Beirut, Lebanon
- This list is a guiding document prepared by WEC to promote the work of its members solely.
- The list states individual consultants and consulting companies by alphabetical order.
- This list of companies is not exclusive, meaning that interest-free loans are not limited to the consultants/companies mentioned in this list.
- The list is not in any way a guarantee on quality but merely an interpretation of the certifications and the past performance of the consultants/companies. Potential clients are responsible to check the quality of the work of the consultants/companies.
- This list will be updated every three months.

List of **Consultants** working on the technical aspects of the NEEREA financing mechanism, including the writing of NEEREA loan reports (listed in alphabetical order):

<b>1. Name: AC Holding – SOLEC Company</b>		
Contact Person: Alain Azar Youssef Rizk Dominique Sayegh	Contact Number:1299 70-516251 70-119 433 70-171 416	Address: Samsung Building – Dbaye Lebanon Email: <a href="mailto:alain.azar@solec-energy.com">alain.azar@solec-energy.com</a> <a href="mailto:y.rizk@samsungctc.com">y.rizk@samsungctc.com</a> <a href="mailto:d.sayegh@samsungctc.com">d.sayegh@samsungctc.com</a>
Strength 1	Well known established group for more than 40y	
Strength 2	Sole distributor of Samsung panels in Lebanon: coordination with Samsung R&D department for latest technology	
Strength 3	Certified engineers from international well known solar inverters (SMA) and from ESCO (LCEC)	
Strength 4	More than 10 electro- mechanical engineers with excellent knowledge in energy efficiency products (HVAC, LED lighting, Solar heating...)	
Strength 5	More than 6years experience as EPC in the solar market in Lebanon	
Strength 6	International experience gained through projects and representative offices in the Gulf Region (Dubai, UAE)	
Strength 7	Winner of one of the first tenders in solar PV issued by the Ministry of Energy and Water (30 solar farms in different regions of Lebanon)	
Strength 8	Good knowledge of the solar market: presence in all the events/seminars organized by the ministry related to energy efficiency in Lebanon	

<b>2. Name: ACEMCO S.A.L.</b>		
Contact Person: <b>Youssef Ammar</b> <b>Fatima Assi</b>	Contact Number: <b>+9613422012</b> <b>+96176181857</b> <b>+9611860760</b>	Address: <b>Ain El Tineh, Shubert Street, Bellevue Building, Ground Floor</b> Email: <a href="mailto:youssef@acemco.com.lb">youssef@acemco.com.lb</a> <a href="mailto:fatima@acemco.com.lb">fatima@acemco.com.lb</a> <a href="mailto:info@acemco.com.lb">info@acemco.com.lb</a>
Strength 1	Company established in 1972 with wide experience in HVAC and renewable energy.  Renewable energy department established in 2010.	<ul style="list-style-type: none"> <li>- Extensive experience in HVAC and energy efficient solutions in the domain of air conditioning since 1972.</li> <li>- Renewable energy department established in 2010 focusing on solar photovoltaic systems and solar street lighting.</li> </ul>
Strength 2	EPC: Engineering, Procurement and Construction	Handling all aspects and stages of a project fulfillment from the design phase, through the procurement of materials, to the commissioning and construction of the project.
Strength 3	NEEREA Experience	Worked on several NEEREA projects as both consultants and suppliers since its initiation. We also have now access to the black NEEREA template (simplified & faster version) for projects below 8kWp and 20,000 USD. Completed NEEREA projects include: <i>Samia Moussa Residence, Tony Keyrouz Residence, Walid Azar Farm, Badriya Naamani Residence, Afif Sarkis Residence, Maha Nasrallah Residence, Ijazi Investment Company, Samir Kazan Residence, Manal Sabri Residence, Yehia Al Khodor Residence, Sabine Azzi Residence, Elias Younes Youssef Residence, Ziad Bookshop, Jamil Halabi Residence, Jacques Moufarrege Residence, Patricia Abi Aaskar Hanna Residence, Leina Manssab Tannoury Residence, Louis Tannoury Residence, Fadi Abi Haydar Residence, Janane Mallat Villa, Antwork</i>
Strength 4	Resources	Total number of employees: 20 Local presence: all over Lebanon with main warehouses and offices in Beirut and Tripoli. International presence: Jordan
Strength 5	Main clients	<ul style="list-style-type: none"> <li>- USAID – Chemonix</li> <li>- UNDP – CEDRO</li> <li>- Cartias – Baladi Program</li> <li>- RMF – Baladi Program</li> <li>- Ijazi Investment Company</li> <li>- USAID – DAI</li> <li>- Bechmezzine Municipality</li> <li>- South for Construction</li> </ul>

		<ul style="list-style-type: none"> <li>- USAID – MSI</li> <li>- ICRC</li> </ul>
Strength 6	Exclusive distributor for solar PV & HVAC products	<ul style="list-style-type: none"> <li>- Victron Energy (Renewable energy products, inverters, MPPT charge controllers, etc.)</li> <li>- Systems Sunlight (Renewable energy batteries)</li> <li>- Westair (air conditioning products)</li> <li>- DUCTSOX (ducting)</li> <li>- Blygold (coil coating)</li> <li>- Tecnair (precision units)</li> <li>- Thermoscreens (air curtains)</li> </ul>
Strength 7	Memberships	<ul style="list-style-type: none"> <li>- WEC SME Member</li> <li>- ASHRAE Member</li> <li>- ISES Member</li> <li>- LSES Member</li> </ul>

<b>3.Name: AEMS- Advance Engineering and Management Services S.A.L</b>		
Contact Person: Nizar Bou Hamdan	Contact Number: 01-424832/ 3 03-387429	Address: Adlieh, Mathaf Main Road, Olivetti Bldg, 6th Flr Email: <a href="mailto:nhamdan@aems-lb.com">nhamdan@aems-lb.com</a>
Strength 1		Established in Lebanon by a set of highly experienced engineers with an accumulated 184 years of experience in these fields and worked in different international utilities such as DEWA of Dubai in UAE, ADWEA of Abu Dhabi in UAE, and EDF of France in Lebanon
Strength 2	Solid Company Structure	<ul style="list-style-type: none"> <li>- PhD, M.E, and B.E. Degrees from Highly Recognized Worldwide Institutes.</li> <li>- Co-ordination with International Advisors.</li> <li>- Multidisciplinary Background Personnel.</li> <li>- Software Engineering.</li> <li>- Communication Systems.</li> <li>- Industrial Engineering.</li> <li>- Network Engineering: Power, Water, and Telecom.</li> <li>- Energy Policy, Savings and services</li> </ul>
Strength 3	Our Mission	Provide our clients with innovative solutions with an emphasis on quality, integrity, costs, responsiveness, and timeliness. Our professionals will be in the forefront of new technologies, client-dedicated, and uphold the highest professional standards

Strength 4	Diverse service offerings	<ul style="list-style-type: none"> <li>- Power Utility Management</li> <li>- Implementation of Geographic Information Systems (GIS)</li> <li>- Renewable Energy (Solar PV, Wind, etc.)</li> <li>- Design &amp; Contracting Survey</li> <li>- Asset Management</li> <li>- Design &amp; Planning of MV Power Systems</li> <li>- Business Re-engineering</li> <li>- Procurement &amp; Contracting</li> <li>- Project Management</li> </ul>
Strength 5	Membership and Classifications	<ul style="list-style-type: none"> <li>- Member of Chamber of Commerce Industry and Agriculture.</li> <li>- Member of the Lebanese syndicate for public works contractors.</li> <li>- Electricité du Liban (EDL): Classified on the G2B, G3, G4 and I3 lists.</li> <li>- Ministry of Energy and Water (MEW): Class 1 consultant for study and supervision of electrical works.</li> <li>- Ministry of Energy and Water (MEW): Class 2 consultant for study and supervision of water works.</li> </ul>
Strength 6	Extensive experience in the Renewable Energy & Consultancy Services	<ul style="list-style-type: none"> <li>- Implementation of a roof mounted 80.5 KWp Hybrid Solar PV System for International Company for Education, Choueifat.</li> <li>- Municipality of Baakline: implementation of 18kWp (micro station) solar PV System to supply 113 LED Street lights in Baakline.</li> <li>- Preparation, for Municipality of Baakline, feasibility &amp; technical study to turn the remaining street lights to sustainable using RE sources.</li> <li>- Municipality of Mhaidseh: implementation of PV Plant for electricity generation for the official school &amp; street lighting.</li> <li>- Municipality of Kahlounieh: implementation of 2.5 kWp Off Grid System.</li> <li>- Feasibility Study &amp; Design of 150kWp Water Pumping Station for Ebba Municipality in Nabatieh.</li> <li>- Design and installation of 100 power analyzers and metering devices for Matrix Tower in Kinshasa including billing system to calculate the consumed power from utility as well as from private Genset.</li> </ul>

		<ul style="list-style-type: none"> <li>- Prepared, for Lina Matta s.a.r.l., the technical study &amp; design for the supply and installation of a 1 MWp On-Grid Solar PV Plant in Choukine.</li> <li>- Prepared, for Inox Hellas Overseas, the feasibility study &amp; design of a 25 kWp grid interactive Solar PV System with a total backup storage of 140 kWh in Bsatine area.</li> <li>- UNDP in partnership with MEW project: survey and assessment of the implications on electricity in Lebanon from the current Syrian Crisis and the prioritization of interventions.</li> <li>- EDL- DSP3 Project: Asset Information Management, Implementation of Geographic Information Systems (GIS), Network Design &amp; Planning Management, preparation of a four-year investment plan, preparation of different procedures and processes, and Commercial/ Customer Service Management, implementation of pilot project for smart metering.</li> <li>- EDL- DSP1 Project: Implementation of Geographic Information Systems (GIS).</li> </ul>
Strength 7	Previous experience in different projects in UAE with regional companies	<ul style="list-style-type: none"> <li>- Yas Island, UAE- Deputy Project Manager.</li> <li>- Zonal Design of Abu Dhabi Island Distribution Network- Abu Dhabi, UAE.</li> <li>- Preparation of tender documents for construction of new 33/11 kV substations in Abu Dhabi, UAE.</li> <li>- Master Plan of AADC, UAE- Deputy Project Manager (Decon).</li> <li>- Automation of numerous 220/33kV, 132/22kV, and 132/11kV Grids, 33/11kV Primary Stations, 22kV Substations, 22kV and 11kV Switching Stations.</li> <li>- Preparation of tender documents for the installation of 4 MW BESS (Battery Energy Storage System) in Abu Dhabi, UAE.</li> </ul>
Strength 8	Workshops, Trainings & Events Participation	<ul style="list-style-type: none"> <li>- Lebanon opportunities - Green business initiative.</li> <li>- LCEC- MED-SOLAR and CEDRO Training</li> <li>- Regular active participation IBEF 2015, 2016, 2017</li> <li>- LCEC- MED-DESIRE Capitalization event on Net-Metering</li> <li>- LCEC- Official Launching of Lebanon's NREAP 2016-2020</li> <li>- WEC- Supporting RE &amp; EE Initiatives in North Lebanon</li> </ul>

		<ul style="list-style-type: none"> <li>- WEC- Study tour to Spain</li> <li>- LNE- Sustainable Energy in Lebanon: From the 2020 Concrete Targets to the 2030 Vision</li> </ul>
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<b>4. Name: Apave Liban</b>		
Contact Person: Mr. Rachid Moubarak Mr. Bassam Habre	Contact Number: 01-283072 01-295010	Address: Tahwita Highway, Furn El Chebbak Email: <a href="mailto:rachid.moubarak@apave.com">rachid.moubarak@apave.com</a> <a href="mailto:bassam.habre@apave.com">bassam.habre@apave.com</a>
Strength 1	Part of International Apave Group	11000 workforce worldwide; 150 years old
Strength 2	Third party technical inspector	
Strength 3	Regional and international presence	Presence in all Mena region – HQ in France
Strength 4	ESCO by LCEC	recognized
Strength 5	Previous NEEREA experience	Mainly for technical audits
Strength 6	Important Number of working staff	25 engineers in the field locally
Strength 7	LEED experience for testing and commissioning	4 references in Lebanon
Strength 8	Leader in technical control of buildings in Lebanon	# 1 in terms of TO and surfaces
Strength 9	Trainings and certificates	More than 30 technical trainings /year
Strength 10	Testing and measurements facilities	Laboratories for environment protection, electrical and mechanical systems,...

<b>5. Name: Arina Energy SAL</b>		
Contact Person: Albert Khoury	Contact Number: 03 - 737 140	Address: Kore Central - Jabra Building - Charles Helou street <a href="mailto:albert.khoury@arinaenergy.com">albert.khoury@arinaenergy.com</a>
Strength 1	In the utility energy sector since 1923	Managed the electrical utility of Aley since 1923 Founded and managed Hawa Akkar since 2008

Strength 2	Authorized installer	World known brands - Jinko solar Panels, - SunPower PV panels, - SMA inverters, - ABB inverters - Others
Strength 3	Qualified Staff	Highly skilled staff: - Vice chairman holding pHD in RE and EE - Design team leader Certified Energy Manager (CEM) and member of the association of Energy Engineers (AEE) - High skilled and experienced Electro-mechanical Engineers - In-house high skilled labors - Procurement specialists - Financial Controller
Strength 4	EPC Experience	Projects executed exceeded the 1.5 MWp capacity of solar PV in 2 years
Strength 5	NEEREA experience	Technical audits and file preparation, many approved solutions in the field of electrical power generation
Strength 6	Winner of the first tenders in wind energy in Lebanon	Signed the first PPA for wind generated electrical system to be commissioned in 2020.

<b>6. Name: ASACO General Trade &amp; Contracting</b>		
Contact Person: Ramzi Abou Said	Contact Number: 01 700548	Address: Corniche Al Mazraa, Beirut – Lebanon ; <a href="http://www.asacogtc.com">www.asacogtc.com</a> Email: <a href="mailto:rasaid@gmail.com">rasaid@gmail.com</a>
Strength 1	Previous NEEREA experience	<ul style="list-style-type: none"> <li>- Mar Charbel School</li> <li>- Skaff Residence / Atchane</li> <li>- Four Solar Pumps in Amiq Bekaa</li> <li>- Izzat Jallad &amp; Sons</li> <li>- Solar Pump in Niha –Chouf.</li> <li>- Zakhem Plaza</li> </ul>
Strength 2	Number of working staff	28



Strength 3	LEED experience	More than 9 MW PV Systems & Solar Street Lighting in Lebanon & abroad: Spain , Italy & Sierra Leone
Strength 4	ESCO service- design and implementation	EPC with more than 25 years of experience, in Off Grid & On Grid Systems, ASACO has designed & installed over than 100 systems of Renewable energy resources, including Solar, wind, water, geothermal, biomass & hybrid systems.  Wide experience in Fuel save systems, Net Metering, Energy Audit.  Testing & Measurements facilities, power logging, After Sales Support & Monitoring.
Strength 5	Trainings and certificates	<ul style="list-style-type: none"> <li>- ISO 9001:2015 Certificate</li> <li>- Studer Qualified Technical Partner</li> <li>- SMA Training</li> <li>- ABB Training</li> <li>- CEDRO / LGBC Certificate of Appreciation for the support on the preparation &amp; Delivery of the Lebanese Army Sustainability Workshop-2015</li> </ul>
Strength 6	Membership & Certificates	<p>LSES Member</p> <p>WEC member</p>
Strength 7	Team	Qualified team with more than 28 years of experience for seniors,& young engineers specialized in Renewable Energy
Strength 8	International & local Experience	<ul style="list-style-type: none"> <li>- Asaco have commenced training for many local municipalities &amp; organizations on Energy Efficiency measures.</li> <li>- Conducted training to more than 55 Engineers in Sierra Leone on Solar Panel Installation &amp; Maintenance under UNOPS program.</li> <li>- Lectured on Renewable Energy to many Educational, &amp; Public Organization such as AUB/ NDU/ Lebanese Army Forces</li> </ul>

		- Participated in many LIBNOR Committees.
Strength 9	References	AUB - Izzat Jallad & Sons - Zakhem Engineering- Industrial Research Institute - GTZ- ACE- CEDRO- Ogero- UNIFIL - UNDP- UNLB - UNSB- UNGSC- UNRWA- UNOPS
Strength 10	Suppliers	Tier Suppliers of PV, Inverters, data logging, Batteries, electrical components & PV Structure
Strength 11	Lighting Factory	ASACO is a shareholder in LUAS Lighting factory - CHINA (Energy Saving & Led Lamps Factory)
Strength 12	Tailored Solutions	ASACO has a department specialized in tailoring PV Structures according to project's specific demand

<b>7. Name: Consolidated Technology Industries CTI s.a.r.l</b>		
Contact Person: Marc Yachoui	Contact Number: 04-721800 04-721801 03-352696	Address: Jal-El-Dib, Yachoui Bldg Main road, CTI Email: <a href="mailto:marc.yachoui@cti-businesses.com">marc.yachoui@cti-businesses.com</a>
Strength 1	Experience	Established in 2011 and active since 2007, CTI has extensive experience in electro-mechanical engineering and green energy (engineering consultancy and EPC).
Strength 2	Extensive NEEREA and LEA Experience	Worked closely with the Clients, the Banks and the LCEC to prepare NEEREA and LEA Files in order to obtain loans for the financing of sustainable energy projects.
Strength 3	Extensive Experience in Engineering, Procurement and Construction	Handled delivery of projects at all stages from feasibility studies through to concept, preliminary and detailed design as well as procurement and construction.
Strength 4	Extensive Experience with Solar Thermal Systems	Two stars' member of the LCEC Lebanese Solar Water Heating Companies since 2013. Designed, procured and delivered over 400 projects since 2012 including

		several large scale projects (collective systems). These include schools, residential buildings and commercial buildings
Strength 5	USAID Projects	Delivered design consultancy services contracts with PV Diesel Hybrid System technology for Baaloul, Kfarmishki, Qornayel and Ramlieh municipalities.
Strength 6	PV Experience	Successfully designed and installed photovoltaic on-grid, off-grid systems and PV diesel hybrid projects. Delivered the full design package of 30 MWp PV solar farm with HV/MV interconnection options to EDL.
Strength 7	LED Lighting	Supplier of high quality LED Lights. Delivered several LED lighting projects including supply of street lights for solar street lighting projects.
Strength 8	Energy Audit Experience	Assessed and measured customer energy consumption (schools, industries and commercial buildings) in order to propose energy efficient solutions, evaluate them from a financial whole cost analysis perspective, identify the preferred efficient solution and recommend it for implementation.
Strength 9	Local and Regional Presence	Delivered projects in Lebanon, the Gulf and Africa. CTI has a showroom and offices on Jal El Dib Main Road.
Strength 10	Experienced Staff	CTI employs several experienced engineers and technicians.

<b>8. Name: DAWTEC</b>		
Contact Person: Ms. Sandra Aoun	Contact Number: +961-1-288688 +961-70-288688	Address: Moawad Bldg 4th Floor, Industrial Area, Jisr El Bacha, Sin El Fil, Lebanon Email: <a href="mailto:dawtec@dawtec.com">dawtec@dawtec.com</a> <a href="mailto:saoun@dawtec.com">saoun@dawtec.com</a>
Strength 1	15 Years of Experience	Designing and implementing engineered renewable energy solutions since 2002.
Strength 2	Design & Innovation	<ul style="list-style-type: none"> <li>▪ Patent # 8589 – 2009 – Pergola Solar System. Architectural Design for solar water heaters that looks like an architectural Pergola, that solves the problem of lack of space and aesthetic image of traditional solar water heaters.</li> <li>▪ Patent # 10748 – 2015 – Deema Solar System. Residential solar water using small size and high performance of open type vacuum tubes in a</li> </ul>

		closed circuit configuration, pressure rated solar water heating system.
Strength 3	Achievements	<ul style="list-style-type: none"> <li>▪ GIST TECH-I Finals – Malaysia – 2013. DAWTEC qualified for its Pergola Solar System for the finals in the MENA Region competition GIST TECH-I prepared by the U.S. Department of State.</li> <li>▪ Grow My Business Competition – 2013. DAWTEC won the Grow My Business Competition Prize in 2013 for its Pergola Solar System.</li> <li>▪ Green Mind Award – 2013. DAWTEC won the Green Mind Award – Innovation for its Pergola Solar System.</li> <li>▪ Lebanese Market Leader – 2011. DAWTEC nominated by the LCEC to be among the Renewable Energy market leaders in 2011.</li> <li>▪ LIRA 2005. DAWTEC won the LIRA 2005 competition for its Parabolic Solar Concentrator.</li> </ul>
Strength 4	Local Expansion	<ul style="list-style-type: none"> <li>▪ Manufacturing facility and Engineering Office in Jisr El Bacha</li> <li>▪ Renewable Energy Center and Sales Showroom in Damour</li> </ul>
Strength 5	Local Exposure	<ul style="list-style-type: none"> <li>▪ Project Lebanon 2014</li> <li>▪ Beirut Energy Forum 2012</li> <li>▪ Project Lebanon 2009</li> <li>▪ Re-build Lebanon 2007</li> <li>▪ Project Lebanon 2005</li> <li>▪ The Garden Show 2005</li> <li>▪ Project Lebanon 2004</li> <li>▪ The Garden Show 2004</li> </ul>
Strength 6	International Exposure	<ul style="list-style-type: none"> <li>▪ Technobuild 2016 - Syria</li> <li>▪ World Future Energy Summit 2009 - Abu Dhabi</li> <li>▪ Intersolar 2008 - Germany</li> </ul>
Strength 7	International Partnerships	<ul style="list-style-type: none"> <li>▪ Exclusive Partner in Lebanon for Tamesol, Spain – Manufacturer of Photovoltaic Modules</li> <li>▪ Exclusive Partner in Lebanon for Fortis, The Netherlands – Manufacturer of Wind Turbines</li> <li>▪ Sister Company – Andreas Ioannides Energies International, Cyprus</li> </ul>
Strength 8	Reference Projects	<p>DAWTEC acquired an important record of reference projects that include residential and commercial buildings, hospitals, hotels, etc... Among which the following.</p> <ul style="list-style-type: none"> <li>▪ Congregation Des Soeurs des Saints Coeurs (through NEEREA)</li> <li>▪ Congregation De La Sainte Famille (through NEEREA)</li> </ul>

		<ul style="list-style-type: none"> <li>▪ Sagesse University</li> <li>▪ Maaounat Hospital</li> <li>▪ Yarz Club</li> <li>▪ Heaven Hotel</li> <li>▪ Private Club</li> <li>▪ Cosmopolitan Hotel</li> <li>▪ Aرسال Municipality</li> <li>▪ Deddeh Municipality</li> <li>▪ Ghazze Municipality</li> <li>▪ Ste Rafqa Monastery</li> <li>▪</li> </ul>
Strength 9	Reference Clients	<ul style="list-style-type: none"> <li>▪ U.S. Aid</li> <li>▪ UNICEF</li> <li>▪ Italian Cooperation Office</li> <li>▪ UNIFIL</li> <li>▪ Matta Associates</li> <li>▪ ERGA</li> <li>▪ Equip Engineering &amp; Contracting</li> <li>▪ Rockland</li> <li>▪ Marc Chamoun Properties</li> <li>▪ Berytus Construction and Development</li> </ul>
Strength 10	Listings	<ul style="list-style-type: none"> <li>▪ Listed among LCEC Qualified List</li> <li>▪ Listed among vendors for UNICEF</li> <li>▪ Listed among vendors for U.S. Aid</li> <li>▪ Listed among UNDP Qualified List</li> </ul>
Strength 11	Resources	<ul style="list-style-type: none"> <li>▪ 15 Full-Time Employees</li> <li>▪ 3 Full-Time Engineers</li> <li>▪ 2 Part-Time Engineers</li> <li>▪ 5 Retailers throughout Lebanon</li> </ul>

<b>9. Name: Earth Technologies SAL</b>		
Contact Person: Mr. George Abboud	Contact Number: 04-444961/3	Address: Antelias, Sawma Jaber Street, CCI Bldg. 4th Floor, El Metn, Lebanon Email: <a href="mailto:gabboud@earthtechnologies.com">gabboud@earthtechnologies.com</a>
Strength 1	NEEREA Experience	<ul style="list-style-type: none"> <li>- AIS</li> <li>- Caffé najjar</li> <li>- Akoury residence</li> <li>- Chedid foods</li> <li>- UCCM</li> <li>- Khoury General Hospital</li> <li>- Chtaura Park Hotel</li> </ul>

Strength 2	EPC: Engineering, Procurement, & Construction	Including plant design, product procurement, construction and final delivery of the project.  Assisting in custom made renewable energy projects that fit the needs and requirements of private corporations and governmental institutions.
Strength 3	Local presence	Extensive experience in solar street lighting all over Lebanon (More than 100 municipalities) Schools, Hospitals, Hotels, factories, Private villas, resorts, ...
Strength 4	International exposure: 1-Operation & Maintenance solutions 2- Supply of material (Generators, Batteries, PV panels...) 3- Installation of PV solutions for telecom operator towers	Present in 3 countries in the Middle East: 1) Lebanon 2) Iraq 3) Kuwait And in 5 countries in Africa: 4) Cameroon 5) Ivory Coast 6) Nigeria 7) Zambia 8) Rwanda
Strength 5	PV Experience	Successfully designed & installed over 1,000 PV grid connected & Off-grid systems
Strength 6	OEM LED Lighting	Earth Technologies provides: 1) All types and models of LED lights 2) Usage: Indoor & Outdoor 3) Class A lighting (with 3 years warranty) 4) Renewed suppliers 5) Own branding name
Strength 7	Over 12,000 studies & simulations	Extensive engineering experience in designing & implementation of full fledge passive solutions (Especially with telecom operators)
Strength 8	Solid company structure (In Lebanon & abroad)	1) Highly skilled engineering team 2) Field technicians 3) Visionary business people 4) Reliable partners
Strength 9	Memberships & Certificates	1) Lebanon Climate Act 2) Certificate of acknowledgement – The Ministry of environment – reporting greenhouse emissions 3) WEC members
Strength 10	Workshops & Trainings	1) Lebanon opportunities - Green business initiative 2) Victor Energy workshop 3) Omron Energy workshop 4) RENAC – LCEC

		<ul style="list-style-type: none"> <li>5) Lebanese Standard Institution, ISO 5001 training program</li> <li>6) LGBC: the Green demonstration room &amp; educational project site visit</li> <li>7) Green schools certification program - E-ecosolutions</li> <li>8) Creativity &amp; Innovation workshop - Brain switch</li> <li>9) WBG: Energy for refugees in Lebanon</li> </ul>
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<b>10. Name: EEG – Energy Efficiency Group sal</b>		
Contact Person: Mr. Ronald Diab	Contact Number: 01-250840 03-328010	Address: Aya Bldg, 10th Floor, Dora Highway Email: <a href="mailto:hq@eegroup.info">hq@eegroup.info</a>
Strength 1	21 years' experience in the energy efficiency field	Established in 1996 as the first ESCO in Lebanon. More than 600 energy audits and 200 EE/RE projects to date (local and international).
Strength 2	Focus	Energy Efficiency (Consulting and Projects) has always been 100% of EEG business since Day 1
Strength 3	Local Experience	More than 200 energy audits completed in Lebanon covering all sectors and tackling the largest properties such as RH Beirut Airport, Casino du Liban, Phoenicia Intercon. Hotel, Four Seasons Hotel, Liban Lait, Liban Jus, Byblos Bank....
Strength 4	International Experience	Undertook energy auditing and efficiency projects in 22 countries over 3 continents covering landmark properties such as Four Seasons George V in Paris , World Trade Centre in Doha or Raffles Hotels in Siem Reap and Phnom Penh in Cambodia.  Subsidiary in Cyprus (EEG Cyprus Ltd) who leads the energy auditing field in the country.  Sister companies in Qatar and Syria
Strength 5	Wide Energy Consulting Works	EEG has worked in a number of UNDP, IFC, EU, GTZ and ESCWA funded projects covering a variety of subjects from Demand Side Management to climate

		change mitigation or specific market energy assessment and technical analysis.
Strength 6	NEEREA Experience	Worked on NEEREA consulting projects since its inception with more than 12 projects funded or in line for funding such as 20130 Jamil Saab Development, Saydet Zgharta Hospital, Byblos Sud Village, Miele, Tortuga Batroun , The Cube, Dbayeh 627 , Four Seasons Hotel Beirut, Hammoud Hospital , Gemayel Freres...
Strength 7	Resources	Total Employees : 12  4 x Energy Experts all CEM (Certified Energy Managers) from AEE (association of energy engineers) with extended continuous trainings on various platforms and organizations. EEG consulting team is well versed in all energy sector's challenges and have the depth and the experience to cover any project holistically .
Strength 8	Technical Expertise	EEG covers the whole spectrum of the energy services lifecycle covering all the electrical/thermal end uses , supply side management, demand side management, renewable energy along advanced metering and management.  The team's exposure to major projects locally and internationally enhances the overall expertise of each individual .
Strength 9	LEED Experience	EEG worked on 10 LEED projects covering various services from thermal modeling to energy consulting. EEG lead the LEED the contract and team who made M1 Mika Building in Down Town building the first LEED Platinum certified project in Lebanon. Apart leading the overall consulting LEED team, EEG was responsible on specific Energy & Atmosphere optimization schemes.
Strength 10	Financing Expertise	Having worked in the energy services for more than two decades , EEG is well versed in all sorts of energy efficiency financing schemes and contracts . EEG is the first company in Lebanon to actually implement



		Energy Performance Contracting and its wide knowledge of the combination of financing and energy optimization schemes help its clients in their NEEREA process.
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<b>11. Name: FREE SAL</b>		
Contact Person: Mr. Antoine Skayem	Contact Number: 03-841362	Address: BDD 1294- Bechara El Khoury Email: <a href="mailto:toni.skayem@gmail.com">toni.skayem@gmail.com</a>
Strength 1	Previous NEEREA experience	8 approved files so far (none rejected)
Strength 2	Number of working staff	4 engineers and 4 technicians
Strength 3	LEED experience	We have Revit expertise and building modeling but none is a certified engineer
Strength 4	ESCO service- design and implementation	More than 10 projects: Golf Club of Lebanon, arcenciel, AXA, Ksara
Strength 5	Trainings and certificates	RENAC, SMA training (6 trainings)
Strength 6	Years of relevant experience	4 years of experience in design and installation of PV with flawless performance so far

<b>12. Name: Future Power</b>		
Contact Person: Mr Said Roumie	Contact Number: 07 – 359 030 70 - 972 885	Address: Mix Center 4 <sup>th</sup> floor, Saida-Tyre Main Road, Tyre, Lebanon Email: <a href="mailto:info@fp-lebanon.com">info@fp-lebanon.com</a>
Strength 1	Expertise	15 years of experience in lebanon, UK and KSA
Strength 2	Memberships	<ul style="list-style-type: none"> <li>- Membership of World Energy Council (WEC) Lebanon Chamber / Lebanese Center for Energy Conservation (LCEC)</li> <li>- Membership of Renewable Energy Sector</li> <li>- Membership of Chamber of Commerce, Industry &amp; Agriculture</li> </ul>

Strength 3	NEERA Experience	
Strength 4	Wind Energy Projects	We were the first to Design, Supply and install hybrid systems (wind and solar) for Telecom sites, refugee camps and stadiums.
Strength 5	Partnership: Premium Partner to Hybrid ON/OFF Grid systems' manufactures	Future Power is the only authorized Repair Center for Outback Power in the Middle East
Strength 6	Exclusive Agent	<ul style="list-style-type: none"> <li>- Premium partner to Studer-Innotec Switzerland</li> <li>- Premium partner to outback power USA</li> <li>- Premium partner to Kinspsan UK</li> </ul>
Strength 7	Training	<ul style="list-style-type: none"> <li>- Studer Training Center in Switzerland</li> <li>- Outback training (Marketing &amp; Technical)</li> <li>- Proven Energy / Kingspan training in Scotland</li> <li>- SMA</li> </ul>
Strength 8	Services Provided	<ul style="list-style-type: none"> <li>- Wind energy: design, supply and installation</li> <li>- PV ON-Grid &amp; Fuel saving: design supply and installation</li> <li>- SWH: design, supply and installation in south of lebanon</li> <li>- Solar LED Lighting: supply and installation</li> <li>- LED Assembly in Lebanon for PVSL &amp; AC power</li> <li>- Solar water Pumping: design, supply and installation</li> </ul>

		- ON/OFF Grid (Hybrid): design, supply and installation.
Strength 9	Clients and Beneficiaries of previously Completed Projects	<ul style="list-style-type: none"> <li>- Touch</li> <li>- Ogero</li> <li>- Ministry of Defense</li> <li>- Ministry of Interior</li> <li>- Ministry of Agriculture</li> <li>- UNDP</li> <li>- UNIFIL</li> <li>- KOREAN CONTINGENT / UN</li> <li>- ITALIN CONTINGENT / UN</li> <li>- UN HABITAT</li> <li>- DRC</li> <li>- EU</li> <li>- ESFD</li> <li>- SUDEP</li> <li>- NRC</li> <li>- COOPI</li> <li>- CARITAS</li> <li>- USAID</li> <li>- Municipalities across Lebanon</li> </ul>
Strength 10	Public Presentation / Website	<ul style="list-style-type: none"> <li>- Developed in house to meet retail and</li> <li>- wholesale customer's product requirements, pricing and ordering process</li> </ul>

<b>13. Name: Green Essence Lebanon</b>		
Contact Person: Mr. Francois Farage	Contact Number: 08821387 03748702	Address: 1- Mar. Elias, Zahle. 2- Monot, Beirut Email: <a href="mailto:francois@greenessencelebanon.com">francois@greenessencelebanon.com</a>
Strength 1	Specialty	Total Solution Provider Energy Efficiency and Renewable Energy
Strength 2	Consulting & Contracting	<b>Engineering (Design, NEEREA/LEA, &amp; Contracting)</b>

		Thermal Envelop, Space Heating & Cooling, Water Heating, LED Lighting, Process Heat, Water Conservation, Energy Audits, Solar PV, Heat Pumps.
Strength 3	Recognition	Recognized by LCEC, CDR, EDZ, EDL, USAID, UNDP, MerciCorp, Caritas.
Strength 4	International Partners & Brands	<p><b>Solar PV:</b></p> <ol style="list-style-type: none"> <li>1- Fronius Service Partner Plus</li> <li>2- Hanwha QCell Partner</li> <li>3- Yingli Solar Partner</li> <li>4- GoodWe Partner</li> </ol> <p><b>Heat Pump (Space Heating/Cooling, Water Heating, Process Heat)</b></p> <ol style="list-style-type: none"> <li>5- Ochsner Exclusive Partner in Lebanon</li> </ol> <p><b>Solar Water Heating</b></p> <p>Sunrain Partner</p>
Strength 5	Manufacturing	<ol style="list-style-type: none"> <li>1- In-house design and manufacturing of electric panels and switchboards to IEC standards</li> <li>2- In-house design and manufacturing of Metallic structures to International Standards</li> <li>3- In-house Software development and user interface customization for large scale projects</li> </ol>
Strength 6	Logistics	Continuously Trained Teams in latest electrical and mechanical knowhow with a fluid organization to support an expanding customer base.
Strength 7	Standards / Certification	Products and Installation per EU standards and Norms, reviewed and accepted by Local and International Agencies
Strength 8	Experience	<p>Green Essence Boasts a unique profile with renewable energy solutions installed all over Lebanon; More than 10 years of experience in renewable energy solutions:</p> <ol style="list-style-type: none"> <li>1- The first wood press factory to run on solar energy, 2010</li> <li>2- The first Plastic recycling plant to run on solar energy, 2011</li> <li>3- The first wheat mill to run on solar energy, 2013</li> <li>4- The world's largest solar water irrigation pump, 2014, 2016</li> <li>5- The first &amp; biggest private solar farm in lebanon, 2015</li> </ol>
Strength 9	International Experience	Completed Projects in Jordan, Morocco, Spain, Indonesia, and China.

Strength 10	Events Participation	Regular active participation at BEF, Project Lebanon, and other organized events relevant to EE and RE
Strength 11	Social Responsibility	Organizes, and participates in local events dedicated to awareness and preservation of the environment.

<b>14. Name: Green Power Generation s.a.r.l. (GPG)</b>		
Contact Person: Mr. Salim Abdo- Mr. Jad Bsaibes	Contact Number: 70-989147 03-508267	Address: Zalka Email: <a href="mailto:sabdo@gpglb.com">sabdo@gpglb.com</a> - <a href="mailto:jbsaibes@gpglb.com">jbsaibes@gpglb.com</a>
Strength 1	Previous NEEREA experience	Some of the approved by LCEC NEEREA projects <ul style="list-style-type: none"> <li>• Crowne Plaza Hotel</li> <li>• Wooden Bakery factory</li> <li>• Le Bristol Hotel</li> <li>• Bach Snacks factory</li> <li>• Hilton Habtoor Hotel</li> <li>• Hilton Metropolitan Hotel</li> <li>• Le Commodore Hotel</li> </ul>
Strength 2	Number of working staff	10
Strength 3	LEED experience	
Strength 4	ESCO service- design and implementation	Energy Audits and Implementations: <ul style="list-style-type: none"> <li>• Pulper Slim Oil Full energy audit and implementation including: <ul style="list-style-type: none"> <li>o Heat Recovery steam generator</li> <li>o Boilers optimization</li> <li>o LED lighting retrofits</li> <li>o Compressed air systems optimization</li> <li>o Energy Management</li> <li>o Chilled water system optimization</li> <li>o Generators retrofit</li> <li>o Renewable energy for heating systems</li> <li>o Steam network optimization</li> </ul> </li> <li>• Mimosa Pulp and Paper factory</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Hilton Habtoor and Metropolitan</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Crowne Plaza</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Le Bristol Hotel</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Bach Snacks Factory</li> <li>o Full energy audit with Heat Recovery and Energy Management implemented</li> <li>• Warwick Stone 55</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Warwick Palm Beach</li> <li>o Full energy audit with LED lighting implemented</li> <li>• Wooden</li> </ul>

		Bakery Factory o Full energy audit with Solar Photovoltaic system in the process of implementation• Sabis Schools o Full energy audit with LED lighting implemented• Kfoury Engineering o LED lighting implemented• Khater Engineering o Energy Audit
Strength 5	Main Energy Efficiency Measures	<ul style="list-style-type: none"> <li>• Heat Recovery (hot water, pressurized hot water, Steam)</li> <li>• LED lighting</li> <li>• HVAC optimization</li> <li>• Process optimization</li> <li>• Building envelope</li> <li>• Renewable Energy (Solar, biomass)</li> <li>• Cooling Recovery (Fresh air recovery, absorption)</li> <li>• Energy Management</li> </ul>
Strength 6	Years of experience as ESCO	10 years
Strength 7	Engineers majors	Masters degrees in electrical and mechanical engineering
Strength 8	Trainings and certificates	Schneider Certified Energy Management Engineers All trainings under NEAAP "Paving the Way for Energy Audit and ESCO Business

<b>15. Name: Green Wise Energy</b>		
Contact Person: Mr. Ali Hassoun Mr. Ali Hraibi	Contact Number: 71-277579 70-965441	Address: Nabatieh, Lebanon Email: <a href="mailto:alih_9@hotmail.com">alih_9@hotmail.com</a> <a href="mailto:alihraibi@gmail.com">alihraibi@gmail.com</a>
Strength 1	Previous NEEREA experience	Around 4 projects are submitted under NEEREA, plus a pipeline of 10 projects since we launched operations in October
Strength 2	Number of working staff	Three engineers and 3 staff members
Strength 3	Team	Diversified and experienced team, including experienced Project Director with more than 30 years of field and management experience and young

		energy engineers specialised in sustainable energy and energy efficiency
Strength 4	Trainings and certificates	Trainings with major suppliers in the industry - Risen Energy- Victron Energy
Strength 5	Partners with world class suppliers	Dealing with leading suppliers in the PV solutions industry and energy efficiency
Strength 6	Scope of work	Providing PV solutions for industrial, solar pumping, residential, commercial projects, in addition to energy efficiency and solar street lighting
Strength 7	Social responsibility	Helping municipalities to provide free solutions to serve the public and helping in free energy efficiency consultancy were needed
Strength 8	Previous NEEREA experience	Around 4 projects are submitted under NEEREA, plus a pipeline of 10 projects since we launched operations in October

## 16. Name: LPS Energy (Lebanon Power Systems sal), member of Manalco Group

Contact Person: Mr. Maroun Charabati Mr. Ehab Lazkani	Contact number: 01-250633 03-233766 70-257887	Address: Gemayel Bldg - Mar Youssef Str., Dora - El Matn - Lebanon Email: <a href="mailto:maroun@pceups.com">maroun@pceups.com</a> <a href="mailto:ehab.lazkani@pceups.com">ehab.lazkani@pceups.com</a>
Strength 1	Well Known Established Group for more than 23 years	Manalco Power is a market leader in power protection equipment since 1992, specialized in UPS, rectifiers, Inverters, Conditioners, DC Banks & Solar Panels; With > 20k satisfied customers from banking, factories, hospitals, factories and many more
Strength 2	Wide Experience in the industry	Specialized R&D team for product development and market compatibility
Strength 3	Regional network	Operating through our offices in UAE, Lebanon, Syria, Erbil & Baghdad

Strength 4	Full engineering process from design to implementation & commissioning	LPS Energy, established in 2010, provides a full array of Solar Photovoltaic (PV) services, including; Engineering; Procurement; Construction; Commissioning; Operations & maintenance; Project feasibility analysis; Energy performance analysis; Portfolio monitoring solutions and long term performance guarantees.
Strength 5	Solid partnership with reputable intl' manufacturers	<p>LPS Energy is the sole distributor for:</p> <p><b>1- Sharp Solar Energy:</b> Leader in the Solar Industry, uses breakthrough technology, made possible by over 50 years of proprietary research and development. Sharp's solar modules incorporate an advanced surface texturing process to increase light absorption and improve efficiency.</p> <p><b>2- Riello-Aros Solar Technology:</b> Founded in 1935 and has been the recognised leader in the field of uninterruptible power supplies (UPS) Experience consolidated in over 90 years of great success and innovation, through projects and solutions designed to use efficiently all forms of energy.</p> <p><b>3- Chint Solar:</b> Chint Group has developed to be the leader in industrial electrical equipment production and clean energy fields.</p> <p>Chint is one of the largest clean energy supplier and energy efficiency management solution provider with the most complete product ranges.</p> <p>Chint products have found ready markets in more than 100 countries throughout Europe, America, Asia, Middle East and Africa.</p> <p><b>4- PCE Solar:</b> Leading provider of power protection systems specialist. Offers innovative, mission-critical power solutions to your business needs.</p> <p><b>5- Hitachi Storage:</b> A leading global</p>



		manufacturer of VRLA & LiON batteries. Products are utilized in over 100 countries telecommunications, UPS, Solar, Wind Power, Emergency lighting, Security and many other additional applications.
Strength 6	Wide Customer network	Sold more than 15MW of systems thru our wide network of distribution and direct installation. below some references in Lebanon <ol style="list-style-type: none"> <li>1. AUB - Manara Village</li> <li>2. Mokbel &amp; partners</li> <li>3. Asmar Wood</li> <li>4. Fransabank</li> <li>5. Mhanna Farm</li> <li>6. Nahas IT Hub (Data center)</li> <li>7. Mike Samaha Ets</li> <li>8. Several official high schools in Akkar, Hasbaya &amp; Sidon district</li> <li>9. Bassoul, Hneine &amp; co (on going..)</li> <li>10. Haddad Factory (on going..)</li> <li>11. Ongoing projects with several municipalities and factories</li> </ol>
Strength 7	First Street light installation in 2009	Designed & mounted solar street lights in Baghdad in 2009
Strength 8	Impressive Number of working staff	>65 employees, from well-trained engineers to highly skilled technicians
Strength 9	Quality policy and Reliable services	Complete market coverage & timely customer support 24/7
Strength 10	In stock Product Availability	Product available for immediate delivery with no time delay on customers
Strength 11	Exposure	Dubai Solar WETEX 2017  IBEF 2017

		Project Lebanon 2015, 2017 Solar Middle East 2017, 2015 Middle East Electricity 2007, 2009, 2011
Strength 12	NEEREA	Robust experience in NEEREA Financing system

<b>17. Name: Metacs</b>		
Contact Person:	Contact Number:	Address: Tabaris, Achrafieh
Mr. Emile Azar	03-655073	Email: <a href="mailto:eazar@metacs.com">eazar@metacs.com</a>
Strength 1	Established in Lebanon for more than 30 years, with projects covering the whole country.	
Strength 2	Extensive NEEREA Experience: Successfully handled multitude of NEEREA projects from Commercial, Residential, to Industrial.	
Strength 3	Proactive and Experienced Team of Electrical and Mechanical Engineers.	
Strength 4	METACS Engineers offer the same high quality service and support from the smallest of projects to the largest.	
Strength 5	METACS Engineers have attended various trainings in Renewable Energy, Energy Efficiency, and Automation.	
Strength 6	METACS Engineers have the ability to follow up projects from design phase to implementation phase.	
Strength 7	METACS Engineers have been implementing Energy Efficiency and Renewable Energy measures	

	for more than 20 years, covering Variable Speed Drives, Solar PV, Heat Pumps, and Industrial Automation.	
Strength 8	METACS is one of the first companies to join LCEC ESCO trainings and Energy Audits activities.	
Strength 9	METACS Engineers have the ability to implement an extensive Professional Energy Audit, and propose the proper Energy Efficiency and Renewable Energy measures.	
Strength 10	METACS has an excellent reputation in the energy sector due to continuous successful projects and dedication in our work.	

<b>18. Name: Nader Hajj Shehadeh (OTB Consult)</b>		
Contact Person: Eng. Nader Hajj Shehadeh	Contact Number: 70-153119 03-332125	Address: Hazmieh, Lebanon Email: <a href="mailto:nader@otbconsult.com">nader@otbconsult.com</a> <a href="mailto:nhshehadeh@gmail.com">nhshehadeh@gmail.com</a>
Strength 1	Richest Experience in Green Loans (NEEREA & LEA)	<ul style="list-style-type: none"> <li>• Helping more than 50 NEEREA projects</li> <li>• Helping more than 25 LEA projects</li> </ul>
Strength 2	Advanced Experience in Energy Audits & Performance Optimization	<ul style="list-style-type: none"> <li>• More than 30 energy audits for industrial, commercial, &amp; retail facilities</li> </ul>
Strength 3	Proven Consultancy Track Record	<ul style="list-style-type: none"> <li>• Hired by local &amp; international organizations such as UNDP, GIZ, ILO, ESCWA, CCIBML, RCREEE, UNEP...</li> <li>• Consultancy activities in the fields of planning, technical assessment, &amp; feasibility analysis.</li> </ul>
Strength 4	Advanced Qualifications	<ul style="list-style-type: none"> <li>• BE in Mechanical Engineering</li> <li>• MBA in Business Management</li> <li>• MS in International Business</li> </ul>

		<ul style="list-style-type: none"> <li>• PGDip in Development Projects</li> </ul>
Strength 5	International Accreditations	<ul style="list-style-type: none"> <li>• LEED GA</li> <li>• PMP</li> <li>• Certified Grid Manager</li> </ul>
Strength 6	Recognized Trainer & Capacity Building Specialist	<ul style="list-style-type: none"> <li>• Trained more than 500 engineers, technicians, &amp; professionals</li> <li>• SolarMedAtlas selected MENA Trainer</li> </ul>
Strength 7	Modeling & Simulation Specialist	<ul style="list-style-type: none"> <li>• Energy &amp; thermal modeling</li> <li>• CFD modeling</li> <li>• Process analysis &amp; assessment</li> <li>• Project simulation</li> </ul>
Strength 8	Focus on Sustainability	<ul style="list-style-type: none"> <li>• Engineering focus on sustainability in its widest range from renewable energy design, to building simulation, MEP design, green financing, building performance enhancement...</li> </ul>
Strength 9	International Experience	<ul style="list-style-type: none"> <li>• Working in Lebanon, KSA, Jordan, Kuwait, Egypt, Tunisia, Canada, Germany, Spain, etc...</li> </ul>
Strength 10	100% Satisfaction Rate	<ul style="list-style-type: none"> <li>• With 100% success rate in green loans &amp; 100% satisfaction rate among clients</li> </ul>

<b>19. Name: Navitas Technology</b>		
Contact Person: Mr. Jihad Chahine	Contact Number: 05-922367 76-586655	Address: 13 Bloc C- Fourth Floor, Baabda-Lebanon Email: <a href="mailto:jihad.chahine@navitas-technology.net">jihad.chahine@navitas-technology.net</a>
Strength 1	Exceptional customer service	
Strength 2	International experience	
Strength 3	System Integration- holistic approach	
Strength 4	High engineering and quality reputation- reliability, sustainability and performance.	
Strength 5	Diverse service offerings, covering renewable energy (solar and wind), energy efficiency (lighting, controls) and related facilities management businesses	
Strength 6	Diverse industry coverage and customer base	

<b>20. Name: NEEDS</b>		
Contact Person: Ms. Maha Chalouhi Chalhoub	Contact Number: 01-373032 01-373033	Address: Lebanon, Beirut, Ain Mreisseh, Ibn Sina Street, Mashkhas Center, 5th Floor Email: <a href="mailto:mchalouhi@needs.com.lb">mchalouhi@needs.com.lb</a>
Strength 1	Number of Working Staff:	40
Strength 2	ESCO service / Specialized Smart Energy Solutions	<p>I- SMARTi Program:</p> <ul style="list-style-type: none"> <li>- Energy Audit</li> <li>- Energy Savings Design Scheme</li> <li>- Construction Management Services</li> <li>- Performance Contracting and Project Financing Assistance</li> </ul> <p>II- Successful transformation of the Energy Services concepts Company (ESCO) into realistic projects Partner with European consortium led by GTZ for MED-ENEC (2006 - 2008) and MED-EMIP (2009-2011) Projects</p> <p>III- Energy Sales and Services: "Plug Into Power Profit", A 50 Million Dollar Business Development Projects in Five Years in Saudi Arabia (1998- 2000)</p>
Strength 3	Energy Storage	Advisory and Management Services for the development and implementation of the largest Battery Energy Storage Systems (BESS) with first 8MW in operation at Abu Dhabi Water and Electricity Authority (ADWEA) – UAE (2007-2011)
Strength 4	Demand Side Management: Large Scale DSM Program	Development of ADWEA Directives on Demand Side Management and Implementation Programs (2007-2008)
Strength 5	Smart Grid: Advanced Metering Infrastructure	- Consultant conducting the 'AMI / Communications and Billing / CRM Seminar – Lebanon 2011' with the participation of seventeen local and international companies in

		<p>the Smart Metering and Communication Services field</p> <p>. Consultant for the Lebanese AMI center. The project addressed the overall AMI functionalities and components including system architecture, AMI hardware, software and database requirements, communication and integration with other enterprise systems.</p> <p>. Program Manager for Distribution Service Provider Project in Lebanon. The pilot testing was executed on 5000 meters on 25 sites in various area and networks.</p>
Strength 6	Trainings and certificates	<p>Selected Training:</p> <ul style="list-style-type: none"> <li>- Advanced ISO 50001 Energy Management System</li> <li>- ESCOs for Management and Business Developers</li> <li>- Planning residential PV-backup systems using PVsyst</li> </ul> <p>Certification:</p> <p>ISO 9001:2015</p>
Strength 7	Awards	Smart Grid Award – Paris 2014 / “Grand Prix du Public”
Strength 8	Publication	Metering & Smart Energy International Magazine / Issue #4 – 2014: AMI and Smart Metering; Lebanon's Distribution Service Provider Project

<b>21. Name: Phoenix Energy</b>		
Contact Person: Mr. Simon Gerges	Contact Number: 09855690 03054976	Address: Safra, Keserwan, near Hawa Chicken Email: <a href="mailto:simon.gerges@phoenixlb.com">simon.gerges@phoenixlb.com</a>
Strength 1	Member of Indevco Group	14000 workforce worldwide; 60 years old

Strength 2	Regional and international presence	Presence in Lebanon, KSA, Egypt, USA, UAE, Brazil, Irak, UK, Ghana ...
Strength 3	ESCO by LCEC	recognized
Strength 4	NEEREA experience	Technical audits and file preparation, many approved solutions in the field of electrical power generation, thermal power generation, energy efficiency solution and construction
Strength 5	Important Number of working staff	70 engineers covering Electrical, mechanical, renewable energy, power generation, control systems, waste management and construction
Strength 6	Consultancy	Referred to as a reference in engineering solutions and in particular on all emphasis of Energy efficiency
Strength 7	Trainings and certificates	ISO, BIPV, LSES, Solar PV plants MED Solar and CEDRO, ESCO training, National Plan for Energy Efficiency, Mapping Green Economy in ESCWA Region, technology trainings with Victron, ABB, Outback, Yingli, Jinko, d'Alessandro (Italy), Itho
Strength 8	EPC with more than 8 years of experience	
Strength 9	More than 7 MW of PV all over Lebanon and 62 MW Egypt under construction	
Strength 10	Partnerships and distributors with major suppliers	Siemens, ABB, Jinko, D'Alessandro, Itho, Broad

<b>22. Name: Powertech SAL</b>		
Contact Person: Mr. Rami El-Richani	Contact Number: 01992525	Address: Beirut central district, Omar Daouk str, Daouk bld, 1st floor Email: <a href="mailto:info@iptpowertech.com">info@iptpowertech.com</a>
Strength 1	More than 17MWp of PV installations	In Africa, Middle east and CIS countries

Strength 2	Long and wide Battery expertise	Automotive, stationary, Industrial and specialty batteries experience In the middle east, Africa and south east asia for more than 24 years
Strength 3	Extensive local experience for critical applications	Some of our clients in Lebanon EDL, Ogero, Touch, Alfa...
Strength 4	Full turnkey projects	We design, supply, install and operate all kind of power systems hybrid or conventional.
Strength 5	Advanced hybrid power solution experience	Such as, solar hybrid solutions, grid connected or offgrid along with wind power...

<b>23. Name: Power and Green</b>		
Contact Person: Ms. Nabil Hakim	Contact Number: 03-299990	Address: PO BOX 5811 Beirut-Lebanon Email: <a href="mailto:nhakim@powerandgreen.me">nhakim@powerandgreen.me</a>
Strength 1	Previous NEEREA experience	4 Solar PV customers in 2016
Strength 2	Trainings and certificates	Green Seminar in China 2012 and RENAC 2016
Strength 3	Power & Green SAL - Established/Mission	March 2015/Green Energy Integrator First Class European Solutions
Strength 4	Personnel General Experience- ICT/Energy/Green Energy	37 years
Strength 5	Fields	ICT/Power/Green Energy since 2008/Green Energy since 2011
Strength 6	Major Green Project	10 M\$/3 MW Combined Cycle Power Plant at Holcim-Chekka-Lebanon/2012
Strength 7	Conference Speaker	Municipal Waste to Energy Solution at Lebanese University organized by HE Mr. Hussein Hage Hassan Minster of Industry



<b>24. Name: Salem International Group</b>		
Contact Person: Bassem Salem Toufic Salem Rouh Nasr	Contact Number: 70/211127 03/133409 70/167686	Address: Barbara - Monsef Highway Email: <a href="mailto:bassem@siglb.com">bassem@siglb.com</a> <a href="http://www.siglb.com">www.siglb.com</a>
Strength 1	Extensive experience in residential photovoltaic systems	>250 systems installed all over the country
Strength 2	Broad NEEREA experience	> 100 executed projects
Strength 3	Partners and certified distributor of top quality suppliers  (SMA-Germany)	Partners with world class inverters, photovoltaic modules, monitoring and logging systems and batteries suppliers
Strength 4	Exceptional customer service	Providing energy efficient solutions to residential and commercial facilities including PV and SWH systems
Strength 5	Team	Team of highly experienced engineers with >15 years experience in the domain of renewable energy, mechanical and electrical engineering
Strength 6	UNDP projects	Decentralized Renewable Energy Power Generation project (DREG)  PV equipment for technical schools project (SHAMS)
Strength 7	One of the pioneers in the renewable energy domain in Lebanon	Design and installation of the first PV systems in major cities of Lebanon especially the north region

<b>25. Name: Sarkis Farah</b>		
Contact Person: Mr. Sarkis Farah	Contact Number: +961 3 701 279	Address: Jbeil, St Joseph Street, Solfege Building, Bloc A, 3 <sup>rd</sup> Floor. Email: <a href="mailto:sarkis.y.farah@gmail.com">sarkis.y.farah@gmail.com</a>
Strength 1	Extensive experience in Renewable Energy and Energy Efficiency projects with the Ministry of Energy and Water All Over Lebanon with more than 7 years	

Strength 2	Professional knowledge of on-grid, off-grid and hybrid PV systems	
Strength 3	UNDP projects	
Strength 4	EU projects	
Strength 5	Followed up many projects from design to implementation phase and still active within the firm	
Strength 6	NEEREA Experience in evaluating many proposals	
Strength 7	Attended many trainings in Renewable Energy and Energy Efficiency	
Strength 8	Able to implement a professional energy and environmental auditing proposals	

<b>26. Name: SMART AGE</b>		
Contact Person: Mr. Saad Khoury Mr. Elie Khoury	Contact Number: 70 008818 03 349506	Address: Block C, City Moussa Center, Zalka, Lebanon Email: <a href="mailto:Admin@SmartAgeEng.com">Admin@SmartAgeEng.com</a>
Strength 1	Providing Full Turn Key Energy Cost Reduction Solutions – Including Consulting, Design, Implementation and Project Management	
Strength 2	Dedicated Consultancy Engineering Dept	
Strength 3	Highly Competent Team of engineers with global certifications	
Strength 4	Extensive NEEREA Experience: Industrial, Commercial and Residential Applications	
Strength 5	Executing Hybrid Photovoltaic System and large scale Thermal Projects in Lebanon and the MENA region (UAE, Iraq, Nigeria, KSA..)	
Strength 6	UN Short Listed Several Project executed	

Strength 7	Adopting Quality Management System - ISO Certified	
Strength 8	LEED AP Certified Engineers	
Strength 9	Broad Green Energy product portfolio including the most renowned global suppliers (for Photo Voltaics, HVAC, Control systems, Thermal Solution..)	

<b>27. Name: SOCOTEC LIBAN</b>		
Contact Person: Mr. Roland Marie Mr. Rabih Tawil	Contact Number: Tel: 01-328189 Fax: 01-218310	Address: 51 Ferneini Street - Furn El Hayek – Ashrafieh - Beirut – Lebanon Email: <a href="mailto:info@socotec-liban.com">info@socotec-liban.com</a>
Strength 1	Company's Structure	<b>SOCOTEC LIBAN</b> , part of <b>SOCOTEC GROUP</b> Which has an approximate consolidated revenue of €600 million, 200,000 clients and holds today the <b><u>No.1 position in the construction market</u></b>
Strength 2	Worldwide Coverage	<b>SOCOTEC</b> is Established in 50 countries; with 30 subsidiaries outside France, 200 branches in France and more than 6000 employees
Strength 3	Human Resources	<b>SOCOTEC</b> employees are a top priority. <b>In LEBANON</b> , 100 % of the technical department employees are <b>Senior highly qualified engineers</b> , with continuous professional development.
Strength 4	NEEREA	<b>SOCOTEC LIBAN</b> participated as a technical auditor in many projects, as well as a sustainability consultant, example: the "Choueifat Mall" one of the most important project listed with NEEREA
Strength 5	LEED	<b>SOCOTEC LIBAN</b> acts in different large & important projects as a LEED commissioning party. <b>SOCOTEC LIBAN</b> is also an associated Member of the <b>USGBC</b>
Strength 6	LIBNOR	<b>SOCOTEC LIBAN</b> Participates in different LIBNOR's committees, in addition of being an active member by participating in Technical committees as for the <b>TC205</b> , which is responsible for the elaboration of the Lebanese standard for green buildings.

Strength 7	International & National Recognitions	<ul style="list-style-type: none"> <li>• <b>SOCOTEC GROUP has more than 170</b> forms of official recognitions, as <b>COFRAC</b> accreditations, approvals, certifications and qualifications</li> <li>• <b>SOCOTEC LIBAN</b> was 1st «Technical Controller» in <b>LEBANON</b> being certified ISO 9001 – 2008</li> <li>• <b>SOCOTEC LIBAN</b> has the highest <b>Class1</b> Accreditation as a Technical Controller by the Public works &amp; Transportation Ministry.</li> </ul>
Strength 8	Training & Certification	<b>SOCOTEC’s Training Institute</b> provides training in the areas of health and safety at work, construction and property management, trains 150,000 people every year in more than 20,000 inter-company training sessions
Strength 9	Technical Control	<b>SOCOTEC LIBAN</b> was the first technical control bureau to operate in Lebanon and remains today the first in the construction sector.
Strength 10	Energy	<p><b><u>SUSTAINABLE ENERGY:</u></b>  <b>SOCOTEC LIBAN</b> developed new skills &amp; tools to work along with architects &amp; designers in the aim of achieving the most efficient &amp; less expensive Sustainable Building Design  <b>ESCO, SOCOTEC LIBAN</b> is recognized by LCEC as an Energy Service Company  <b><u>OIL &amp; GAS ENERGY: SOCOTEC OIL &amp; GAS:</u></b> from the merger of SICA, ATS and QUINEX, specialized in Quality Control services for all types of oil and gas facilities, SOCOTEC Oil &amp; Gas can deliver today more extensive geographical coverage  <b><u>NUCLEAR ENERGY:</u></b>  <b>SOCOTEC Power Services</b> supports players in the nuclear culture, More than 220 accredited nuclear engineers &amp; technicians with Sophisticated equipment including various inspection systems (3D radar, Ferroscan, magnetic particle testing, ultrasound, etc.) and a rigorous monitoring of employees exposed to ionizing radiation;</p>
Strength 11	Health & Safety & Environment	<b>SOCOTEC has also developed services offering to help particularly manufacturers meet their challenges</b> , as defining a QHSE and Sustainable Development strategy, protecting the environment: air, water and soil, etc... At all stages of the project.

28. Name: Solarnet s.a.r.l		
Contact Person: Jean Paul Sfeir	Contact Number: 04-532937	Address: Yazbeck Bldg Mansourieh el Metn old road Email: <a href="mailto:info@solarnet-online.com">info@solarnet-online.com</a>
Strength 1	Experience	Established in 2002, Solarnet is one of the first Lebanese Renewable Energy Company still operating today. In addition to the local and international experience of its managing staff (since 1990)
Strength 2	Good relation with clients	Client satisfaction is our main target; from needs identification, to quality work, up to after sale services. With more than 2000 projects executed, not any claim has been registered up to date.
Strength 3	Technical know how	Solarnet engineers and technicians are trained to the most up to date knowledges and technologies in the field of Renewable Energies and Building Services such as : <b>solar photovoltaic system (Industrial , commercial , residential)</b> <b>solar pumping system</b> <b>solar street lighting</b> <b>led lightings</b> <b>solar water heating</b> <b>Biomass heating</b> <b>Energy Audit</b> <b>plumbing</b> <b>heating</b> <b>air conditioning</b> <b>electricity</b> <b>gas</b> <b>heat recovery</b>
Strength 4	Up to date equipment and tools	Since all the works are done in house (no subcontracting ) Solarnet technical teams are always equipped with up to date equipment and tools such as:  <ul style="list-style-type: none"> <li>- Services cars (more than 15 units)</li> <li>- Truck</li> <li>- Crane</li> <li>- Excavator</li> <li>- Electronic metering and testing equipment</li> </ul>

		<ul style="list-style-type: none"> <li>- Individual tool cases</li> <li>- Power tools</li> <li>- Up to date soft wares</li> <li>- Roof safety equipment</li> </ul>
Strength 5	Comprehensive spare parts stock	Since after sales is one of our main concern, Solarnet is always storing hundreds of spare parts for immediate intervention when necessary.
Strength 6	Comprehensive spare parts stock	Solarnet represents many well-known international brands in the field of Renewable Energy. Updated brand list and datasheets can be viewed on <a href="http://www.solarnet-online.com">www.solarnet-online.com</a> .
Strength 7	Resources	More than 30 engineers, technicians and specialized workers are always ready for intervention all over Lebanon with more than 15 service cars.
Strength 8	Engineering know how	<p>Solarnet has always been leading the knowledge development of Renewable Energy in Lebanon by introducing :</p> <ul style="list-style-type: none"> <li>- New products</li> <li>- New technologies</li> <li>- Seminars and exhibition</li> <li>- New soft wares and calculation notes</li> <li>- New work methods and procedures</li> <li>- Training and certification</li> </ul> <p>Solarnet know how is recognized by all stakeholders such as :</p> <ul style="list-style-type: none"> <li>- UNDP</li> <li>- Governmental bodies such as : <ul style="list-style-type: none"> <li>a) Minister of energy</li> <li>b) Lebanese Center of Renewable energy and energy conservation (LCEC )</li> </ul> </li> <li>- Lebanese solar energy society LSES</li> <li>- International and local NGOs</li> <li>- Local and international consultants</li> <li>- All our clients community</li> </ul>

<b>29. Name: Solar Wind Middle East sarl</b>		
Contact Person: Mr. Simon Samia Hrs. Hiam Saliba	Contact Number: 71088177 03-306633	Address: Beirut Sympoisum Bldg,8th Floor, Wardieh Street, Horsh Tabet – Sin El Fil Email: <a href="mailto:simon@solarwindme.com">simon@solarwindme.com</a> <a href="mailto:hiam.saliba@solarwindme.com">hiam.saliba@solarwindme.com</a>
Strength 1	Extensive Experience in Photovoltaic Field	More than 2 MWp installations all over Lebanon till the end of 2016, ongoing 1MW signed and under installation in 2017.
Strength 2	Extensive Experience in NEEREA Financing	Over 50 executed projects prepared, submitted and followed by our expert team.
Strength 3	Recognized Reference List all financed by the LCEC	<ul style="list-style-type: none"> <li>• Hotel Dieu de France – 450 kWp</li> <li>• DMN Furniture – 342 kWp</li> <li>• Saydit Zgharta Hospital – 156 kWp</li> <li>• Arab Printing Press – 137 kWp</li> <li>• Al Moussawi Trading Co. – 132 kWp</li> <li>• Bablieh Solar Pump – 130HP</li> </ul>
Strength 4	Resources	<ul style="list-style-type: none"> <li>• More than 25 energy experts with extensive practical experience gained after installing many projects Off-Grid up to 48KW and On-Grid up to 500KWP</li> </ul>
Strength 5	Partner or distributor for the leaders in the market	<ul style="list-style-type: none"> <li>• SMA, Risen, Victron, Outback, Deif, AEG</li> </ul>
Strength 6	Testing and measurement facilities	<ul style="list-style-type: none"> <li>• The most advanced Power logging, supervision and plant testing equipment</li> </ul>
Strength 7	ESCO service- design and implementation	<ul style="list-style-type: none"> <li>• Understanding the requirements and energy needs of the customer through meetings, site visits...etc.</li> <li>• Capturing the projected energy usage through data logging...etc.</li> <li>• Investigating the possibilities of energy efficiency measures.</li> <li>• Determining the target energy output of the system.</li> <li>• Designing solutions that meet the customers' requirements using International Design Software.</li> <li>• Guaranteeing that savings will cover project costs by analysing NPV, ROI, IRR, and Cash Flow and through monitoring.</li> <li>• Arranging for Financing.</li> <li>• Supplying, installing and testing the system to ensure customer's satisfaction.</li> <li>• Providing after Sales Support and Monitoring.</li> </ul>

Strength 8	Wide-ranging Renewable and Energy Efficiency Services	<ul style="list-style-type: none"> <li>• Solar Photovoltaic Systems (On-Grid/Off-Grid)</li> <li>• Hybrid Systems</li> <li>• Solar Pumping Systems</li> <li>• Solar Street Lighting</li> <li>• Net Metering Applications</li> <li>• LED Lighting</li> <li>• Energy Audit</li> </ul>
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<b>30. Name: Yelloblue sal</b>		
Contact Persons: Mr. Antoine Kaldany Ms. Hala Atallah	Contact Number: 01-612500 ext. 2016	Address: Berytech Technology and Health, Damascus Road, Beirut-Lebanon Email: info@yelloblue.com
Strength 1	Broad experience with NEEREA: successfully handled several NEEREA projects (Commercial, Industrial and Residential)	<p>Starting with a thorough assessment of the needs of each project, we tailor made our solutions to meet the specific requirements and implement them with the highest standards levels. Our mission continues with preventive maintenance services to all our installed projects. We partner with our clients!</p> <p>Reference Projects: American Community School (ACS), ND Jamhour, Universite Saint Joseph (USJ), Notre dame University (NDU), Byblos Bank, Hopital Libanais (Geitawi), Congregation des Soeurs de la Sainte Famille (several schools and universities), RAK paper and board, IXSIR.</p>
Strength 2	More than 6 years of EPC experience in PV and collective SWH systems, along with Operation & Maintenance solutions	
Strength 3	Implemented the Biggest PV system on a campus in Lebanon (ACS), and the Largest collective SWH system un Lebanon (NDU)	
Strength 4	LEED/BREEAM experience	
Strength 5	ESCO service: Energy Audit (holistic approach) and ECM implementation	
Strength 6	Energy and Resources Management Services to large commercial buildings, industrial facilities and retail facilities	
Strength 7	Membership & Certificates: WEC, Lebanon Climate Act, LGBC	
Strength 8	Roadmap for Green Campus (Schools and Universities) experience	



List of **Solar Photovoltaic (PV) Suppliers** working on the technical aspects of the NEEREA financing mechanism, including the writing of NEEREA loan reports for solar PV systems (listed in alphabetical order):

<b>1. Name: ECOsys, Division of Middleware Data Systems</b>		
Contact Person: Mr. Elie Maalouf	Contact Number: 03 566 748	Address: HOLCOM Bldg., 460 Corniche Al Nahr Email: <a href="mailto:e.maalouf@ecosys.com.lb">e.maalouf@ecosys.com.lb</a>
Strength 1	EPC with more than 10 years of experience, providing innovative designs and turnkey solutions	<p>Reference projects: ABC Achrafieh &amp; Verdun, American University of Beirut, HOLCOM, UNDP-CEDRO (Gemayel Freres, Liban Jus), 20130, Las Salinas, Food &amp; Drug Corporation, LCEC (Zahrani Oil Installations, Ministry of Energy and Water, Lebanese Army-Directorate of Engineering), UNOPS-Afghanistan, Transmed, ...</p> <p>For more info about our solutions and executed projects, visit our website: <a href="http://www.ecosys.com.lb">www.ecosys.com.lb</a></p>
Strength 2	Part of ITG-HOLCOM group	
Strength 3	>16 MW of PV + Wind references all over Lebanon and abroad ( Middle East & Africa )	
Strength 4	Top tier suppliers of PV modules, inverters, monitoring and data logging systems, mounting structures, batteries and electrical components	
Strength 5	20 engineers graduated from renowned establishments	
Strength 6	Reputable provider of turnkey energy solutions, switchgears and synchro-panels	
Strength 7	>5 engineering software used during the design and implementation phases	
Strength 8	Wide experience in commercial, industrial, public, educational, residential, and utility sector as well as hospitals	
Strength 9	Extensive knowledge of on-grid, off-grid and hybrid PV + Wind systems	
Strength 10	Solid experience with fuel save systems	
Strength 11	Broad experience with NEEREA	

<b>2. Name: Earth Technologies SAL</b>		
Contact Person: Mr. George Abboud	Contact Number: 04-444961/3	Address: Antelias, Sawma Jaber Street, CCI Bldg. 4th Floor, El Metn, Lebanon Email: <a href="mailto:gabboud@earthtechnologies.com">gabboud@earthtechnologies.com</a>
Strength 1	NEEREA Experience	<ul style="list-style-type: none"> <li>- AIS</li> <li>- Caffe najjar</li> <li>- Akoury residence</li> <li>- Chedid foods</li> <li>- UCCM</li> <li>- Khoury General Hospital</li> <li>- Chtaura Park Hotel</li> </ul>
Strength 2	EPC: Engineering, Procurement, & Construction	<p>Including plant design, product procurement, construction and final delivery of the project.</p> <p>Assisting in custom made renewable energy projects that fit the needs and requirements of private corporations and governmental institutions.</p>
Strength 3	Local presence	Extensive experience in solar street lighting all over Lebanon (More than 100 municipalities) Schools, Hospitals, Hotels, factories, Private villas, resorts, ...
Strength 4	International exposure: 1-Operation & Maintenance solutions 2- Supply of material (Generators, Batteries, PV panels...) 3- Installation of PV solutions for telecom operator towers	<p>Present in 3 countries in the Middle East:</p> <ul style="list-style-type: none"> <li>9) Lebanon</li> <li>10) Iraq</li> <li>11) Kuwait</li> </ul> <p>And in 5 countries in Africa:</p> <ul style="list-style-type: none"> <li>12) Cameroon</li> <li>13) Ivory Coast</li> <li>14) Nigeria</li> <li>15) Zambia</li> <li>16) Rwanda</li> </ul>
Strength 5	PV Experience	Successfully designed & installed over 1,000 PV grid connected & Off-grid systems
Strength 6	OEM LED Lighting	<p>Earth Technologies provides:</p> <ul style="list-style-type: none"> <li>6) All types and models of LED lights</li> <li>7) Usage: Indoor &amp; Outdoor</li> <li>8) Class A lighting (with 3 years warranty)</li> <li>9) Renewed suppliers</li> <li>10) Own branding name</li> </ul>
Strength 7	Over 12,000 studies & simulations	Extensive engineering experience in designing & implementation of full fledged passive solutions (Especially with telecom operators)

Strength 8	Solid company structure (In Lebanon & abroad)	<ul style="list-style-type: none"> <li>5) Highly skilled engineering team</li> <li>6) Field technicians</li> <li>7) Visionary business people</li> <li>8) Reliable partners</li> </ul>
Strength 9	Memberships & Certificates	<ul style="list-style-type: none"> <li>4) Lebanon Climate Act</li> <li>5) Certificate of acknowledgement – The Ministry of environment – reporting greenhouse emissions</li> <li>6) WEC members</li> </ul>
Strength 10	Workshops & Trainings	<ul style="list-style-type: none"> <li>10) Lebanon opportunities - Green business initiative</li> <li>11) Victor Energy workshop</li> <li>12) Omron Energy workshop</li> <li>13) RENAC – LCEC</li> <li>14) Lebanese Standard Institution, ISO 5001 training program</li> <li>15) LGBC: the Green demonstration room &amp; educational project site visit</li> <li>16) Green schools certification program - E-ecosolutions</li> <li>17) Creativity &amp; Innovation workshop - Brain switch</li> <li>18) WBG: Energy for refugees in Lebanon</li> </ul>

<b>3. Name: Future Power</b>		
Contact Person: Mr Said Roumie	Contact Number: 07 – 359 030 70 - 972 885	Address: Mix Center 4 <sup>th</sup> floor, Saïda-Tyre Main Road, Tyre, Lebanon Email: <a href="mailto:info@fp-lebanon.com">info@fp-lebanon.com</a>
Strength 1	Expertise	15 years of experience in lebanon, UK and KSA
Strength 2	Memberships	<ul style="list-style-type: none"> <li>- Membership of World Energy Council (WEC) Lebanon Chamber / Lebanese Center for Energy Conservation (LCEC)</li> <li>- Membership of Renewable Energy Sector</li> <li>- Membership of Chamber of Commerce, Industry &amp; Agriculture</li> </ul>
Strength 3	NEERA Experience	

Strength 4	Wind Energy Projects	We were the first to Design, Supply and install hybrid systems (wind and solar) for Telecom sites, refugee camps and stadiums.
Strength 5	Partnership: Premium Partner to Hybrid ON/OFF Grid systems' manufactures	Future Power is the only authorized Repair Center for Outback Power in the Middle East
Strength 6	Exclusive Agent	<ul style="list-style-type: none"> <li>- Premium partner to Studer-Innotec Switzerland</li> <li>- Premium partner to outback power USA</li> <li>- Premium partner to Kinspsan UK</li> </ul>
Strength 7	Training	<ul style="list-style-type: none"> <li>- Studer Training Center in Switzerland</li> <li>- Outback training (Marketing &amp; Technical)</li> <li>- Proven Energy / Kingspan training in Scotland</li> <li>- SMA</li> </ul>
Strength 8	Services Provided	<ul style="list-style-type: none"> <li>- Wind energy: design, supply and installation</li> <li>- PV ON-Grid &amp; Fuel saving: design supply and installation</li> <li>- SWH: design, supply and installation in south of lebanon</li> <li>- Solar LED Lighting: supply and installation</li> <li>- LED Assembly in Lebanon for PVSL &amp; AC power</li> <li>- Solar water Pumping: design, supply and installation</li> <li>- ON/OFF Grid (Hybrid): design, supply and installation.</li> </ul>
Strength 9	Clients and Beneficiaries of previously Completed Projects	<ul style="list-style-type: none"> <li>- Touch</li> <li>- Ogero</li> </ul>

		<ul style="list-style-type: none"> <li>- Ministry of Defense</li> <li>- Ministry of Interior</li> <li>- Ministry of Agriculture</li> <li>- UNDP</li> <li>- UNIFIL</li> <li>- KOREAN CONTINGENT / UN</li> <li>- ITALIN CONTINGENT / UN</li> <li>- UN HABITAT</li> <li>- DRC</li> <li>- EU</li> <li>- ESFD</li> <li>- SUDEP</li> <li>- NRC</li> <li>- COOPI</li> <li>- CARITAS</li> <li>- USAID</li> <li>- Municipalities across Lebanon</li> </ul>
Strength 10	Public Presentation / Website	<ul style="list-style-type: none"> <li>- Developed in house to meet retail and</li> <li>- wholesale customer's product requirements, pricing and ordering process</li> </ul>

<b>4. Name: Salem International Group</b>		
Contact Person:	Contact Number:	Address: Barbara - Monsef Highway
Bassem Salem	70/211127	Email: <a href="mailto:bassemsalem@siglb.com">bassemsalem@siglb.com</a>
Toufic Salem	03/133409	<a href="http://www.siglb.com">www.siglb.com</a>
Rouh Nasr	70/167686	
Strength 1	Extensive experience in residential photovoltaic systems	>250 systems installed all over the country
Strength 2	Broad NEEREA experience	> 100 executed projects
Strength 3	Partners and certified distributor of top quality suppliers  (SMA-Germany)	Partners with world class inverters, photovoltaic modules, monitoring and logging systems and batteries suppliers

Strength 4	Exceptional customer service	Providing energy efficient solutions to residential and commercial facilities including PV and SWH systems
Strength 5	Team	Team of highly experienced engineers with >15 years experience in the domain of renewable energy, mechanical and electrical engineering
Strength 6	UNDP projects	Decentralized Renewable Energy Power Generation project (DREG)  PV equipment for technical schools project (SHAMS)
Strength 7	One of the pioneers in the renewable energy domain in Lebanon	Design and installation of the first PV systems in major cities of Lebanon especially the north region

<b>5. Name: Yelloblue sal</b>		
Contact Persons: Mr. Antoine Kaldany Ms. Hala Atallah	Contact Number: 01-612500 ext. 2016	Address: Berytech Technology and Health, Damascus Road, Beirut-Lebanon Email: info@yelloblue.com
Strength 1	Broad experience with NEEREA: successfully handled several NEEREA projects (Commercial, Industrial and Residential)	Starting with a thorough assessment of the needs of each project, we tailor made our solutions to meet the specific requirements and implement them with the highest standards levels. Our mission continues with preventive maintenance services to all our installed projects. We partner with our clients!  Reference Projects: American Community School (ACS), ND Jamhour, Universite Saint Joseph (USJ), Notre dame University (NDU), Byblos Bank, Hopital Libanais (Geitawi), Congregation des Soeurs de la Sainte Famille
Strength 2	More than 6 years of EPC experience in PV and collective SWH systems, along with Operation & Maintenance solutions	
Strength 3	Implemented the Biggest PV system on a campus in Lebanon (ACS), and the Largest collective SWH system un Lebanon (NDU)	
Strength 4	LEED/BREEAM experience	
Strength 5	ESCO service: Energy Audit (holistic approach) and ECM implementation	

Strength 6	Energy and Resources Management Services to large commercial buildings, industrial facilities and retail facilities	(several schools and universities), RAK paper and board, IXSIR.
Strength 7	Membership & Certificates: WEC, Lebanon Climate Act, LGBC	
Strength 8	Roadmap for Green Campus (Schools and Universities) experience	