- GREESol is originally a **total** (integrated) energy solution consultancy and engineering company involved in the field of sustainable development in general and sustainable energy development in particular. The company is a shareholding company since 2012 and it provides its services inside and outside Egypt with a specific focus on energy efficiency (EE) and renewable energies (REs) areas (EE&REs). The company activities cover all consultancy and engineering services related to the whole value chain of EE&REs from conception up to performance measurement and evaluation after installation and commissioning. It operates also as an arbitration third party during any disputes concerning expected performance or quality of installations.

- It is important to state that GREESol’s code of practice throughout all its offered services to its clients (energy consumers or end-users) is based on three main successive phases (or business principles). Firstly, developing a detailed energy audit according to latest international standards (resource efficiency concepts). Secondly, exploiting all technically and economically viable EE opportunities to rationalize existing and future energy needs. Thirdly, involve as much as we can the available in-site renewable energy resources besides in addition to the conventional ones under our specific **total** (integrated) energy solution concept.

- From another side, our total energy solution is based on exergy analysis (analysis based on the second law of thermodynamics rather than the first law). That means we always care not only about energy quantities (first law) but basically and more importantly on energy quality (second law) which matches the best resource to the most relevant energy service needed without any degradation of the quality (availability level) of the used energy resource potential. This particular capability distinguish GREESol among its national and international competitors.

- GREESol, throughout its own activities and the activities of its founder and CEO (as a freelance senior expert) covers as well additional consultancy and engineering services such as...
as: setting energy policies, developing integrated resource plans (IRP), elaborating sustainability strategic vision for national energy sectors and preparing energy sectors reform studies. The elaborated reform studies of the energy sectors on the national level includes: present status analysis and targeted reform through modified or new proposed institutions. Accordingly, gap identification, institutional, regulatory and legal frameworks are developed as well as capacity development and investment enabling environment measures are proposed to attract both local and international investors. The Company’s CEO has also been involved in the development of different low-carbon emissions’ development strategies in energy sectors in different countries as well as feasibility studies for large-scale seawater desalination plants using renewable energy resources.

- During the last few years, the demand on EE&REs services has radically grown up in Egypt due to the successive energy tariffs increase owing to the energy subsidy gradual alleviation. The energy consumers currently face significant challenges represented in the low efficiency of their energy and water specific consumption per unit of service or product delivered. This is always clear if any consumer make his calculation to compare with the published well-known specific energy consumption benchmarks for these services and products. This specific circumstance opened an important EE market niche that is not professional dealt with. Accordingly, GREESol is currently enlarging its scope of services and reinforce its conduct in the national and regional level through transforming into an EPC Co. (Engineering, Procurement and Construction) to cope with the expanding fields of services needed in EE&REs emerging market. Exiting engineering and consultancy staff will form the engineering department and we will involve new staff and partners (shareholders) to cover the other areas of the conventional procurement and construction in addition to monitoring, operation/maintenance, training activities and matchmaking between academia and industry. This will transform GREESol to become a sustainable energy excellence platform in the form of an “EPC&M” company with 6 divisions as follows:
  1) Engineering and consulting
  2) Energy efficiency applications
  3) Renewable energy systems and applications
  4) Sustainable (green) buildings design support
  5) Education and training including proper recognized certification, and
  6) Research/industry/academia partnership platform.

- The company’s corporate social responsibility will lead us to work mainly in the marginal areas with schools, NGOs/not for profit organization and microfinance institutions to raise EE&REs awareness/culture and to promote practical information to energy consumers in all the consuming sectors. Sustainable energy societal initiatives will be as well a part of our planned services to contribute into poverty alleviation through offering income-generating activities.

- GREESol is currently a national local partner in the consortium led by the Austrian Company ALLPLAN as a verification consultant for the GEFF-Egypt funding facility financed by the EBRD with 200 million Euros for 4 years started since August 2017. The project link is as follows: https://ebrdgeff.com/egypt/

- GREESol has also recently been awarded a contract by the project “Improving Energy Efficiency for Lighting & Building Appliances” implanted by the UNDP in full cooperation with the Ministry of Electricity and Renewable Energy. The contract services have two main folds: the first fold is the training of the sales personnel of commercial distribution chains on the merits of EE labelled appliances and the indications this EE label indicates. The level of rational energy consumption and its impact on the customer electricity bills and the national economy in general based on the use of energy efficiency labels is thoroughly explained. The
second fold is to develop and perform awareness campaigns to the public on the energy efficient appliances purchase technique and tips to choose the right appliance and to ask the sellers on the necessary relevant information. The study of the impact of the project activities on both sellers and customers to identify lessons learned for future activates is a part of the consultancy services.

- Coping with the growing demand by international investors and companies working in Egypt and the MENA region on skilled EE&REs work force, GREESol will train individuals to become professional installers and qualified engineers through an internationally certified curriculum. Consequently, GREESol plans to establish “GREESol’s EE&REs Training and Excellence Centre – GEERETEC” in cooperation with different international, local governmental institutions and private sector stakeholders to satisfy the market needs on local and regional levels in order to overcome such a bottleneck for the market growth.

- GREESol to source its backup partners is currently engaged in different contacts concerning establishing new business relations with international partners to create real partnership in all fields of activities of the whole value chain of EE&REs not only in Egypt but also in the region.

- GREESol in the future aims equally to creating a regional hub or platform through the representation of foreign companies involved in EE&REs (each in a specific field without any contradiction or conflict of interest) in order to contribute to enforce the promotion of their businesses in Southern Mediterranean Countries and Africa. This hub will also be a catalyst to enable North-South cooperation, knowledge transfer and management, sustainable development and capacity building in these regions.

- Finally, GREESol to be able to establish such an ambitious plan prepares itself to open the door in the near future to full-timers and part-timers national and international experienced individuals to be a part of GREESol’s family. The shareholders of the company will be necessarily largely expanded to enable the on-going transformation process to achieve its objectives.

**During this transient stage of transformation, the company**

**Welcomes any proposed common activity or partnership under a win - win scheme.**

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