



## M.G. Lightning – International Consulting Services

M.G. Lightning Electrical Engineering Ltd is a multifaceted electrical engineering, limited company with many years experience designing electrical installations for residential, commercial and industrial applications while consulting on matters of power quality, lightning protection, energy conservation, off-grid renewable energy and the interfacing of renewable energy sources to the grid in both Israel and in African countries. The company also supports the Israeli effort in the International Energy Agency – PVPS task 13, as well as sitting on national standards committees setting standards for the installation of PV installations.

The company supplied engineering support to the Arava Power Company as the developing Israeli regulatory atmosphere began to encourage utility grade PV power stations. M.G. Lightning performed feasibility studies for over 30 multi-megawatt sites throughout the country, analyzing the effects of the topographical, meteorological, and existing grid infrastructures on the construction and operation of utility grade PV power stations of up to 60MWp. These studies analyzed the total affects of such an installation, both on the site, the grid and neighboring consumers of the grid.

M.G. Lightning offers services to developers in choosing sites for PV, Bio-fuel fired plants and natural gas fired plants, bringing to bear a team comprising Electrical, Mechanical and Environmental engineering.

M.G. Lightning has been contacted to design lightning protection programs for national infrastructures in African countries, succeeding in greatly reducing the losses due to lightning strike in cellular infrastructures, with proven results.

M.G. Lightning is currently under contract to offer highest level service for hi-tech electronic installations in the service of the UN in Africa.

