



## M.G. Lightning – Company Profile

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 and the interfacing of renewable energy sources to the grid.

All members of the team are versed not just in standard electrical engineering design practice, but in the intricacies of overvoltage and lightning protection alongside the realities of modern power quality considerations. Energy conservation is an underlying motif in all our designs.

The company has designed the electrical and communication infrastructures for "smart home" houses, schools and community centers as well as specialty designs for scientific research outposts.

The company is certified for Energy Auditing, and designs energy conservation plans for large and medium sized customers.

The company has designed lightning protection systems for hospitals, factories, communication switch buildings and private homes, both in Israel and abroad.

The company has designed solar power fields of small (50kWp), medium (10MWp) and large (60MWp) size.

The company consults on the feasibility, quality of design and performs acceptance tests on PV power stations of all sizes, serving plant owners, banks and investors and even EPC contractors.

The company lectures on topics of PV power station design, lightning protection and energy conservation to organizations including the Israel Electric company, the SEEEI, The National Energy Institute and others.

The company serves as one of the Israeli representatives to the International Energy Agency PVPS task 13 committee on PV efficiency and reliability, leading the subtask on Fault Analysis.

The company has representatives on the Israeli Standards committee on PV system construction.



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