Working Towards a Green Future: Philip Krein & Gary Eden

Philip Krein & SolarBridge Technologies
Philip Krein is a leader in power electronics, a field that involves the study of semiconductors and electronic circuits for the conversion and control of energy, a critical issue in the development of personal computers, industrial automation, high-performance communication networks, home appliances, alternative energy systems, and many other energy-intensive applications.

SolarBridge is working to drive solar adoption by delivering DC-AC modules to the residential and commercial markets.

Through its module-integrated design and superior reliability, SolarBridge reduces the levelized cost of energy (LCOE) and ultimately accelerates grid parity for solar energy.

Co-founded by Philip Krein and Patrick Chapman.

In 2012, SolarBridge raised $25 million in Series D financing.

Gary Eden & Eden Park Illumination
Eden Park Illumination is commercializing Microcavity Plasma “microplasma” lighting technology. This platform technology is a new light source innovation, and offers unique advantages over both traditional light sources, such as incandescent and fluorescent, and the newer lighting technologies light emitting diodes “LED” and organic light emitting diodes “OLED”.

Gary Eden and Sung-Jin Park’s microplasma lighting is mercury free and 25% more efficient than traditional fluorescent lighting. Their company, Eden Park, has graduated from EnterpriseWorks to a pilot production facility.

Gary Eden is Director of the Laboratory for Optical Physics and Engineering, a laboratory devoted to the study and applications of the interaction of visible and ultraviolet radiation with matter. Recently, the Laboratory demonstrated the first hybrid plasma/semiconductor transistor, the npn plasma bipolar junction transistor. He has authored more than 250 journal publications and 35 awarded patents. He is a co-founder of Eden Park Illumination and EP Purification, two startup companies in Champaign.