Tirthankar, a Post Graduate in Electrical Engineering, has been active in the field of solar energy since the 1980's. For more than 40 years he has served in various senior executive roles in the industry. He participated in some the early World Bank funded solar minigrid projects in India in the 1990's.

His experience includes design and execution of Solar PV projects, Solar Farms, stand-alone and hybrid PV systems and Battery Storage. He designed and manufactured various power electronics products like switchmode battery chargers, solar hybrid inverters, MPPT charge controllers and battery management systems. He directly supervised the design, construction and commissioning of one of first solar farms executed by an Australian company in 2011.