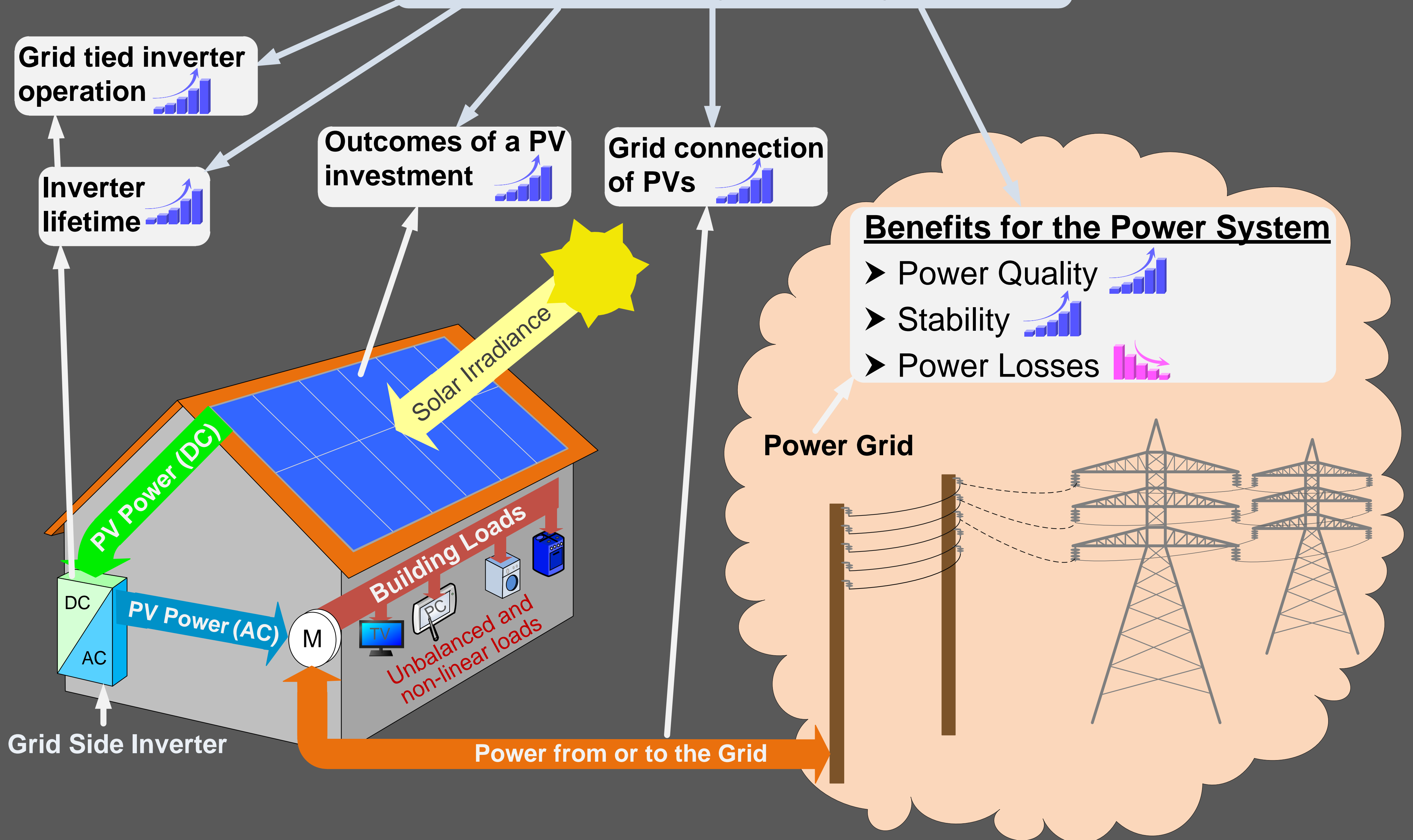




A research project for a next generation grid side converter with advanced control and power quality capabilities

PV2GRID Project Objectives



PV2GRID Project

Aims to

Advance grid tied inverters

- with advanced and flexible control capabilities
- for enhancing power system stability and quality
- for improving the grid interconnection of PVs
- for compensating the asymmetries and the harmonics of the building loads
- for extending the inverter lifetime
- for increasing the outcomes from a PV investment

and as a result

Impact

- 10% reduction of the power losses of the distribution grid
- 20% improvement on power quality of the grid
- Enhancement of the power system stability
- 20% increase of the inverter lifetime
- Higher penetration of solar PV systems

Consortium



Sponsors



For more information, please visit: <http://www.kios.ucy.ac.cy/pv2grid/>