

The Future: Solar Power

40%

**THE AMOUNT THAT THE
GLOBAL SOLAR ECONOMY IS
GROWING BY EACH YEAR**

implementing solar power can be challenging as it requires that panels be connected to a utility grid. In order for the grid to function, all of the gateways, cellular modules and web platforms need to be implemented properly. In addition, the widely distributed nature of solar plants presents issues in terms of both management and security. One way to combat these issues is to implement solutions based on IoT.

- Providers can manage all of their equipment from one central control panel.
- Issues can be detected at their point of origin and fixed before it causes a system wide failure.
- IoT enables easier detection of problems, but it also simplifies the diagnosis process.
- Provide valuable insights that can be used to determine if problems with equipment are related to the hardware or to the network & for preventative maintenance.
- IoT in solar energy can lead to improvements with respect to metering.
- Improved metering efficiency can be achieved by using a link gateway or by placing a module in front of a solar inverter in a grid.

