

Smart Homes – A New Lifestyle

With the innovation in concepts and technology, we are moving towards a highly structured energy network and the energy saving can be possible through the interactive energy distribution networks. But is this technology only for large corporations? No, homeowners can gain equal benefits from advanced technology. We are talking about none other than the smart homes. Until a few years back, smart grids were making a statement but now, homeowners have identified the benefits and they have made an approach to turn their homes into smart homes. Smart homes have become a new approach to look at the role of energy in our homes and the relationship between consumer and energy utilities have been improved.

Don't worry, smart homes won't look a collection of wires and screens instead, it will look the same just behind the scenes will be different. In different parts of the world, new appliances, software, and equipment have been incorporated to use the smart systems in order to save energy, cut the costs, and improves the functioning of the electric grid to make it more efficient and smooth.

The only thing that has been improving the smart grid technology is the collaboration between the utilities, consumers, and the grid operators. If you want to computerize your home and turn it into a smart home, controls can be added so that you can receive signals to optimize the energy consumption and cut the costs as well. Some operations can be stopped when there is peak time and the operation will be resumed when the even energy source is available to lower the costs.

The smart home has been termed as the human side of the smart grid as it has been providing light to the dark and power to the equipment. With the traditional homes, appliances are operated manually by switching the power buttons along with limited control options. Moreover, managing the energy used by such appliances can be difficult and the billing costs can see a spike. When they get the bills, they usually don't know how they used the energy and

where it was used. In the case of people using renewable resources, they cannot measure the used energy value.

The smart home has given birth to a new and smarter living style. Smart homes are a combination of highly controllable appliances, real-time energy data usage, and energy efficient controls. The perfect combination of a smart grid with smart devices has enabled the users to make a smart home that is not only good for the environment, convenient, and cost-effective as well. When you want to control the home appliances remotely, you will just need a device and internet connection to monitor everything. Moreover, homeowners can have a detailed report about energy consumption with intervals of 15 minutes. Homeowners can easily monitor and control the appliances with the help of automated alerts and alarms on the basis of energy cost per appliance unit.

Smart homes come with in-home displays that allow the homeowners to monitor the energy consumption in the most effective manner with the help of energy consumption report. The report will have the most advanced analytics which provides insights to the energy consumption and costs. Moreover, it allows the users to determine the source of energy and it will improve the calculation and monitoring of carbon footprint for the smart home.

All the appliances in a smart home are controlled and monitored based on the preference of homeowners and the switch-on and switch-off timings can be set according to the daily routine of the homeowners. Alongside, advanced intelligence allows the users to make energy budgets by real-time analyzing. The system can be tuned in to match the usage patterns of the homeowners in the smart home setting.

If you use the right vendor for the smart home application, customer portal can even help you with the energy saving tips along with the warnings. They will also give information about power outages. Smart homes will make sure that consumers have energy when they need it.

With smart homes, energy consumption has been optimized and they enable the homeowners to plan the energy consumption to best utilize the resources.

The smart is a combination of smart grid and smart meter to make sure the advancement of lifestyles.