

Demand Side Management

- The benefits of this technology.

CycloControl technology and Z-LYNK systems are ideally suited to matching demand and supply across a power network. Some of the driving forces behind this field of technology are the continuing rise in the cost of electricity, customer desire to take more control of their electricity costs and the increasing competition from alternative energy sources such as solar power. From the electricity providers stand point these are all factors that make Demand Side Management (DSM) a serious and imminent issue.

For the Utility the benefits that DSM can provide are many. Load shaping is a classic example providing a smoother load profile by filling the dips and valleys

and clipping peaks that are ever present on the profile. Shifting loads to 'off peak' hours with the use of tariff incentives, reducing demand as well as energy, optimising energy resources for strategic load growth and flexible load shaping to match load and operating efficiencies are all part of DSM.

The economic benefits can be demonstrated by reduced or deferred capital expenditure, improved system efficiencies leading to reduced operating costs and fuel saving. There is an added corporate image benefit from the resulting improvements in system reliability and resource availability.

The customers perspective will be improved (vital in

an ever more competitive forum) as DSM can provide reduced costs with more choice of services and importantly more control over their electricity costs. Society as whole (particularly in respect to greenhouse gas emissions) will benefit from more efficient utilization of resources. Deferring projects that have a negative impact on the environment is in accord with responsible management and concern for the environment.