

# ENERGY SAVER



## INTRODUCTION

Energy Efficiency Improvement is a comprehensive suite of managed services for energy performance management including advanced electrical analytics for continuous optimization of energy performance. Our team of qualified experts and energy efficiency specialists can help you save money and resources. MARSZ takes a far-reaching approach to energy conservation measures and develops proposals for end-to-end solutions for large energizing organizations. Our performance-based approach is a low-risk path to achieving your sustainability goals.

Our team of experts are specialists at identifying, designing and commissioning energy efficiency solutions for clients delivered through performance-based energy efficiency projects. Our performance-based model and absolute commitment to guaranteed savings is a result of more than 12 years of industry experience and proven methodologies developed across hundreds of energy efficiency projects.

### **Performance-based Energy Efficiency Project with Guaranteed Savings**

Energy Performance Contracting (EPC) is a way of implementing energy efficiency projects for plant and equipment upgrades in all types of facilities and buildings. EPC differs from traditional contracting, which is invariably price driven. Performance contracting is results driven, ensuring quality of performance, energy cost savings and emissions reduction. EPCs are well suited to Governments and have been traditionally utilized by State and Local Governments in India.

## WE PROVIDE SUSTAINABLE SOLUTIONS FOR SMART BUSINESSES

MARSZ encompass various chapters pertaining to Energy Audit, Harmonics Audit, Impedance Control, Phasor diagram, Earth Leakage current, Neutral current shifting, Reactive power management, Electricity Bill evaluation, analysis and summary are special topics apart from regular topics to Energy Saving approach.

Implementing centralized Energy Saving concept with detailed electrical parameters study a guaranteed total saving of 8-15% can be achieved without compromising much on the existing facilities and comforts.

Whereas in addition to this if grass route level some changes are made then a total saving up to 20% can be achieved provided, Energy efficiency program is to be implemented on individual equipment level. In the interest of reducing the losses and to reduce wastage of energy in the distribution system, our Product Mixed Load Energy Saver (MLES) plays a vital role by converting these losses and wastage of energy in to energy saving band.

But at the same time utmost care is to be taken to avoid using Harmonics free installations so that premature failure can be avoided. High efficiency electrical equipment's are very specific for its design parameters hence life is also limited. Therefore, care should be taken while procurement of Energy saving System, so that Energy saving in terms of KWH reduction can be established and the same is to be reflected in the Electricity Bill. Also, maintenance reduces drastically.

Customer satisfaction is very important considering various unstable parameters and consumption. Energy Saving establishment, two months before & after installation of Mixed load Energy saver is the key factor. This role is taken care by IoT based online data monitoring system installed with storage facility immediately after order confirmation.