

## Maximum Power Transfer Solutions, MPTS Device provides:



### 1. Power Monitoring - with remote capability

- Always know your Facility, power quality at a glance , it will provide added peace of mind to the whole facilities management organization. Useful for finding billing errors.
- Savings in not having another power-monitoring device.

### 2. Power Analysis

- Savings in understanding the electrical characteristics to make better management decisions

### 3. Power Quality Improvement

- Savings from minimizing Service, Repair and Maintenance – reduces downtime/O&M costs
- Savings from IRR, delay replacement of equipment, extend life of equipment

### 4. Power Stabilization

- Savings from IRR, delay replacement of equipment, extend life of equipment
- Surge Protection and avoid Brownouts
- Savings from emergency failures due to spikes or surges

### 5. Harmonic(THD mitigation)

- Savings from replacement costs, and down time due equipment failures from harmonic currents

### 6. Surge Protection and Brownouts

- Savings from emergency failures due to spikes or surges

### 7. Energy efficiency without replacing old or inefficient electrical or mechanical equipment

- Savings from keeping your inefficient equipment, avoid replacement costs  
-Run your existing equipment more efficiently.



### 8. Capacity Release

- Savings from cost avoidance of getting new service transformers and meters.
- Run wires, cables, panels and transformers cooler
- Add more loads without demanding additional power from the grid
- Add more equipment without asking for more Power or Transformers
- Less load on electrical panels, transformers or generators

MPTS operates at the same efficiency in the environment where loads are constantly changing. MPTS is not a static solution. It is not designed for fixed values. MPTS is a dynamic solution dealing with changing loads in real time.


### What is unique about the MPTS. - Benefits to the end user

- Increased efficiency, safety and reliability of the electrical network
- Reducing Service, Repair, and Maintenance costs – reduces operating costs
- Extending the life of connected equipment – delay aging or replacement of equipment
- Protecting your equipment from failures – reduces down time
- Not have to replace perfectly good working equipment with new equipment
- Releases electrical capacity - connect more load on the same electrical panels & transformer
- Decreases total electrical power demand and consumption- energy savings

# What are the Benefits of using MPTS?

MAXIMUM POWER TRANSFER SOLUTION - MPTS

## Benefits from MPTS



MPTS Lowers Operating Costs

- **Decrease** Current and KVA significantly

- Avoids Overload conditions and hot spots in panels and equipment
- Decreases  $I^2R$  losses, KVAR, Harmonics
- Releases electrical capacity, decreases the load on panels and transformers, creates capacity for additional loads
- Reduces Downtime

- **Maintains** stability of voltage for connected equipment

- **Protects** investment in expensive electrical and mechanical equipment

- **Reduce** service, repair, replacement, and maintenance costs

- **Reduce** total cost of operating mechanical and electrical equipment

- **Reduce** total electrical power demand and consumption

- **Reduce** CO2 Emissions



Significant Reduction  
in CO2 Emissions

Significant dollars savings from the benefits of MPTS

Reduction in Power Generation and Carbon Emission