

ARTICLE

Why MPTS – Benefits Summary

End User

- Decreases current (Amps) and saves energy
- Improves electrical efficiency to almost 100% through impedance matching
- Releases system capacity immediately- additional cost avoidance.
- Reduction in overloading of switchgear, transformers, cables etc.
- Expands longevity of electrical equipment
- Maintains stability of voltage for connected process equipment etc.

Distribution Networks

- Reduces line current & power transmission losses (I^2R losses)
- Improves utility of installed equipment / switchgear/ cable to maximum capacity.
- Decreases eddy current heat generation/loss in Transformers
- Lessens O&M cost related to transmission equipment/Hardware.

Power Generator

- Reduces voltage surges & helps to maintain stable voltages
- Decreases peak load current demand (Matches production to consumption)
- Improves generator efficiency and performance
- Cuts carbon emissions
- Reduces capital requirements for new expansions

Environmental

- Decreases carbon footprint & improves energy availability

Bottom-line

- Reduced operating cost, capacity release & higher reliability of electrical network