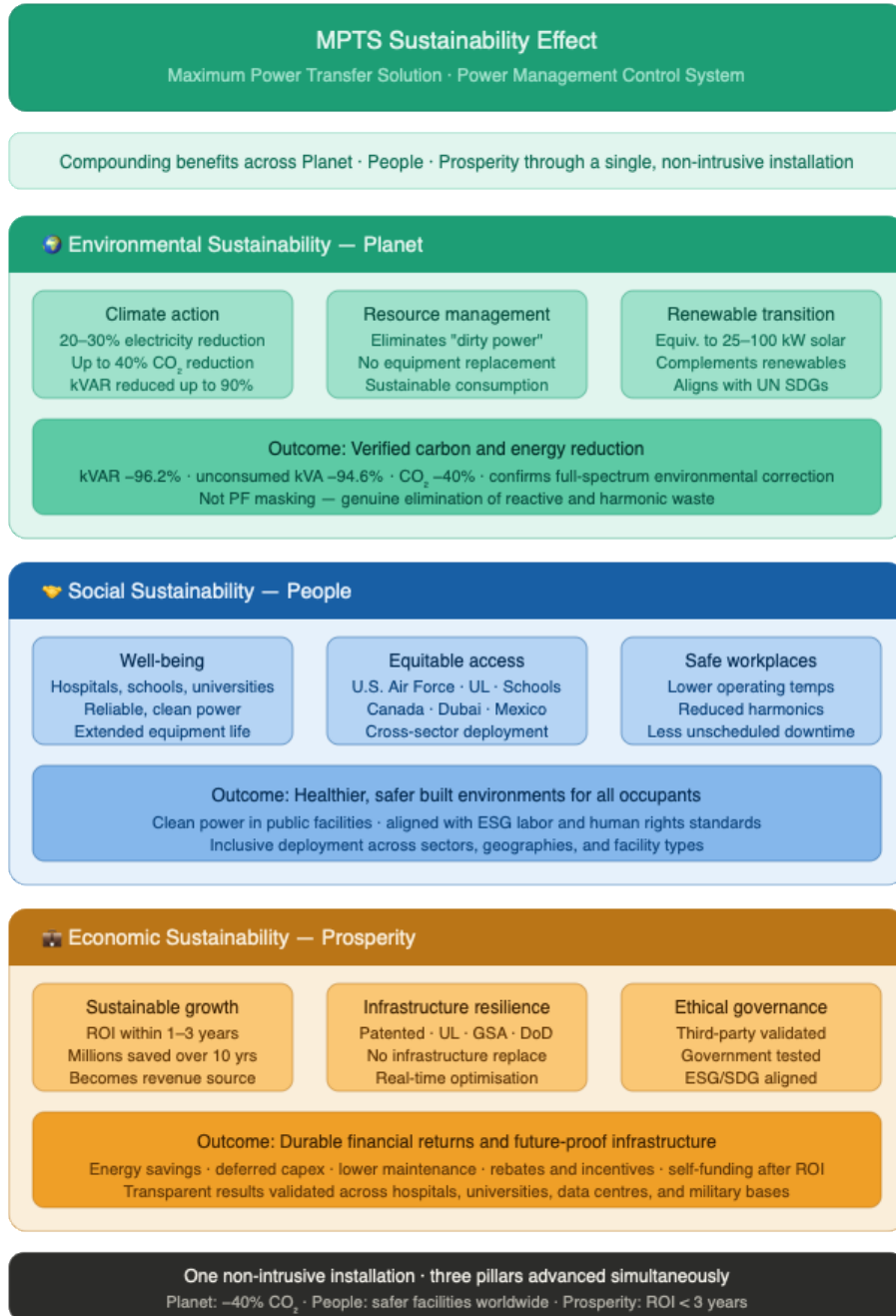


The MPTS (Maximum Power Transfer Solution) Sustainability Effect

The MPTS Sustainability Effect refers to the broad, compounding environmental, social, and economic benefits produced when the MPTS Power Management Control System (PMCS) is deployed within a facility's electrical network. Designed to make electrical systems work more efficiently, MPTS saves energy and money while benefiting the environment and significantly reducing CO₂ emissions, creating a ripple effect that directly advances sustainability objectives across all three pillars: Planet, People, and Prosperity.

A summary:



The detail:

Environmental Sustainability (Planet)

Climate Action & Carbon Reduction: MPTS can reduce total electricity consumption by 20–30%, lowering both electrical demand and carbon emissions. Verified deployments have achieved CO₂ emissions reductions of up to 40% and KVAR reductions of up to 90%. This directly advances climate action goals and greenhouse gas reduction targets aligned with the UN SDGs.

Resource Management & Energy Efficiency: MPTS units intelligently optimize incoming and outgoing AC power within the network, eliminating "dirty power" caused by reactive current, measurably reducing total electrical power demand, and enabling greater utility power use without added utility costs. This promotes sustainable consumption patterns without requiring replacement of existing equipment.

Renewable Energy Transition Standard MPTS models are sized as equivalents to 25 kW, 50 kW, and 100 kW solar installations, meaning MPTS delivers renewable-equivalent energy savings through efficiency optimization, complementing and extending the reach of renewable energy strategies.

Social Sustainability (People)

Well-being & Healthy Infrastructure MPTS enables facilities to reduce electricity consumption, extend the life of existing electric-powered equipment, minimize carbon emissions, and reduce electricity costs, improving the operating environments of hospitals, schools, universities, and public facilities where occupant health and safety depend on reliable, clean power.

Equitable Access & Broad Deployment MPTS technology is currently used by organizations including the U.S. Air Force, Underwriters Laboratories, school districts, healthcare facilities, and manufacturing facilities, as well as facilities in Canada, Dubai, and Mexico, demonstrating broad, inclusive applicability across sectors and communities.

Safe & Productive Work Environments By reducing operating temperatures, harmonics, and unscheduled downtime, MPTS improves the overall AC electrical system performance and extends the operating life of equipment, directly supporting safer, more productive working conditions aligned with human rights and labor standards in sustainability frameworks.

Economic Sustainability (Prosperity)

Sustainable Growth & Cost Reduction Most facilities see a return on investment within 1-3 years through energy savings and reduced maintenance and operational costs, with extensive facilities potentially saving millions in energy costs over ten years. After ROI is achieved, MPTS effectively becomes a long-term revenue source.

Infrastructure Resilience & Innovation MPTS is a patented, UL-, GSA-, and DoD-approved real-time Power Management Control System that dynamically cleans and optimizes electrical networks without replacing existing infrastructure, delivering resilient, future-proof upgrades at a fraction of traditional capital expenditure.

Ethical Governance & Transparency Results are validated through third-party measurement, government testing, and real-world deployments in hospitals, universities, and industrial facilities worldwide, meeting the highest standards of corporate transparency and accountability expected under ESG and SDG reporting frameworks.

Summary Statement

The MPTS Sustainability Effect is the measurable, multi-dimensional impact produced when Maximum Power Transfer Solution technology optimizes a facility's electrical network, simultaneously reducing energy consumption and carbon emissions (**Planet**), improving the safety and quality of built environments for occupants and workers (**People**), and generating lasting financial returns through reduced operating costs and deferred infrastructure investment (**Prosperity**). It is one of the rare power management solutions that advances all three pillars of sustainability through a single, non-intrusive installation.