IPM+ Power

Powering Down Consumption | Powering Up Sustainability

Key Impact Metrics

- 1,868 GWh Energy Saved – Enough to power Mumbai city for 1.5 years
- $450M Saved – Total accrued savings across clients
- 841,600 Metric Tons of CO_2 Emissions Sequestered

Overview - Introduction

IPM+ is a cutting-edge, AI-powered software platform designed to drastically reduce computer power consumption while driving sustainability and cost savings. With intelligent algorithms dynamically tuned based on deep learning inputs, IPM+ helps organizations cut energy usage by 20% to 50%, validated through rigorous testing by industry leaders such as KPMG and Protiviti.

Vigyanlabs, the company behind IPM+, is a Microsoft Ventures incubated company dedicated to building technologies that facilitate profitable sustainability. The solution not only reduces operational costs but also supports environmental initiatives by lowering carbon footprints and increasing hardware longevity.

1. The Problem

- High energy consumption by enterprise computing devices leads to elevated electricity costs.
- Significant carbon emissions caused by inefficient power management.
- IT hardware overheating, which shortens equipment life and increases cooling requirements.
- Growing regulatory and sustainability compliance requirements.
- Difficulty in accurately tracking and reporting power consumption data across large device fleets.

2. The IPM+ Solution

- AI-powered engine dynamically adjusts power consumption in real-time based on user behavior and workload.
- Reduces energy usage by 20% to 50% without compromising performance.
- Soft-energy metering validated for accuracy by KPMG and Protiviti.
- Non-intrusive implementation with zero impact on device usability.
- Prolongs battery life for laptops and UPS systems, reducing e-waste.
- Supports corporate sustainability initiatives with measurable results.

3. Key Features & Technology

- AI-Powered Dynamic Power Schemes: Smart adjustments based on deep learning inputs.
- Soft-Energy Meter: Accurate, software-based metering validated by leading audit firms.
- Heat Reduction: Minimizes heat output, reducing dependency on cooling systems.
- Battery Longevity: Extends the lifespan of batteries in laptops and UPS devices.
- Compliance Ready: Generates data for sustainability reporting and audits.
- Scalable Deployment: Easy rollout across enterprise-level infrastructure.

4. Proven Sustainability Impact

- 1,868 GWh energy saved – equivalent to powering Mumbai city for 1.5 years.
- $450 million saved across all IPM+ clients globally.
- 841,600 metric tons of CO_2 emissions eliminated.
- Significant reductions in water usage and deforestation via energy optimization.

5. Client Success Stories

- A major enterprise achieved an average of 30% energy savings across 4,994 PCs within months of deployment.
- Reliance General Insurance Co. reduced energy bills by over ₹4 Crores annually after adopting IPM+.
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- Aditya Birla Group and other Fortune 500 companies use IPM+ to meet sustainability and cost reduction goals.

6. Use Cases

- Large Enterprises: Reduce IT energy consumption and operational expenses.
- Data Centers: Optimize power usage efficiency across servers and cooling systems.
- Government Organizations: Meet green IT initiatives and compliance mandates.
- BFSI Sector: Secure, optimize, and report power consumption across distributed infrastructures.
- Educational Institutions: Lower campus-wide energy usage and extend device lifecycles.

Conclusion

IPM+ is more than an energy management tool—it is a strategic solution for sustainable growth. By combining advanced AI algorithms, precise power monitoring, and non-intrusive deployment, IPM+ empowers organizations to achieve measurable energy and cost savings while contributing to a greener future. With a proven track record and global clientele, IPM+ is the smart choice for enterprises committed to computing efficiency and sustainability.