Intelligent Power Management (IPM+)

An IBM Bluemix Service for Workstation/End–User Device Energy Management

Digileum Inc.

IOT Innovations that Save Energy and Reduce IT Environmental Impact — A Green Initiative at Scale

The rise of the digital era has caused the rapid and continuing proliferation of end user devices among employees and consumers, devices which are networked and powered on. Theses devices consume large amounts of energy, causing significant environmental damage through CO_2 emissions and increasing energy costs for companies.

Energy consumption and e-waste in the digital economy is now catching the attention of mainstream media while corporations are beginning to more closely manage their energy expenses. In addition to concerns of rising energy costs, recent studies show that the digital economy is now responsible for the consumption of over 10% of the electricity generated in the world. Adopting "green technologies" at scale to save energy in the digital era is key to optimizing consumption, improving asset management, and conserving our natural resources.

In partnership with IBM, Digileum has commercialized a US patented technology called Intelligent Power Management (IPM+) as a call to action to minimize e-waste. IPM+ employs fine-grained power optimizations through IOT data intelligence and proprietary algorithms to enable savings in a non-intrusive and fully automated manner. IPM+ supports all available operating systems—Android, Linux and Windows— is certified for Windows 7, 8 and 10, and deployed on-premise or in the cloud. This service will enable your organization to immediately begin saving power across your network of end-user workstations, laptops/mobile devices, and distributed infrastructure.

Adopted by and proven at global financial services firms, governments, and fortune 500 companies, IPM+ has consistently enabled upwards of 20 to 40% energy savings while providing a unified platform to manage devices, understand and analyze the data from these devices, and to orchestrate automated actions for operational efficiency and optimization. Digileum also leverages machine learning and cognitive analytics via IBM Watson for advanced IPM+ use cases.

Digileum and IBM Bluemix have partnered to facilitate the onboard and execution process with an industrial cloud service model. Within one hour, a private instance of IPM+ is available for new subscribers.   Following two 90-minute training sessions and guidance, our clients begin saving power within hours. Our commitment is to prove a 30% energy savings for clients with over 5,000 devices with an investment payback within months.   Let's get started.

Intelligent Power Management

Powerful Energy Analytics for IT infrastructure

Real-time Power Consumption Monitoring of IT infrastructure

Correlation of power consumption with IT systems

Asset Management Optimization and Automation

"Enterprise-Wide" Power Management Schemes

Power Savings Without Impacting User Experience or System Performance

Power Savings and CO2 Emissions Measured and Quantified

Hosted on the IBM Bluemix Cloud
Enterprise Level Security and Reliability
Global Availability
Subscription Based Model

Software-Based Energy Metering
Patented Application Sensing/Optimization
Automated Asset Discovery
Integrated UPS Monitoring

IPM+ GLOBAL IMPACT

3.19
MILLION DEVICES

342.73 GWh
UNITS OF ENERGY SAVED

326 BILLION
LITERS OF WATER SAVED

155598 METRIC
TONS OF CO2 SAVED

IBM Bluemix™

IBM Watson