



Integrated Energy Management Solution

Cisco EnergyWise Integration with IBM Tivoli

Cisco EnergyWise Technology

Innovative software addition to Cisco® Catalyst® switching portfolio

- Available to customers for download now or with technology refresh
- Enables reduction of greenhouse gas emissions— affecting other 98%
- Results in significant cost savings
- (Network intelligence) Monitors, reports, and reduces energy usage across entire infrastructure
- Offers open technology for greater partnering



Collaborative Cross-Industry Effort

Cisco EnergyWise

Companywide Energy Management Solution

Visibility, Control, and Automation

24-Hour Monitoring and Reporting
Ease of Configuration
Policies Enforcement

IT Power Management

Network-Attached Devices: Phones, Access Points, PCs, and Cameras

Building Power Management

Elevators, HVAC
Lighting Sensors
Badges and Security

Operational Efficiency
Sustainable Growth
Lower TCO

Optimized Energy Usage
Reduced GhG by 15%
Power Savings by up to 50%

Cisco® EnergyWise

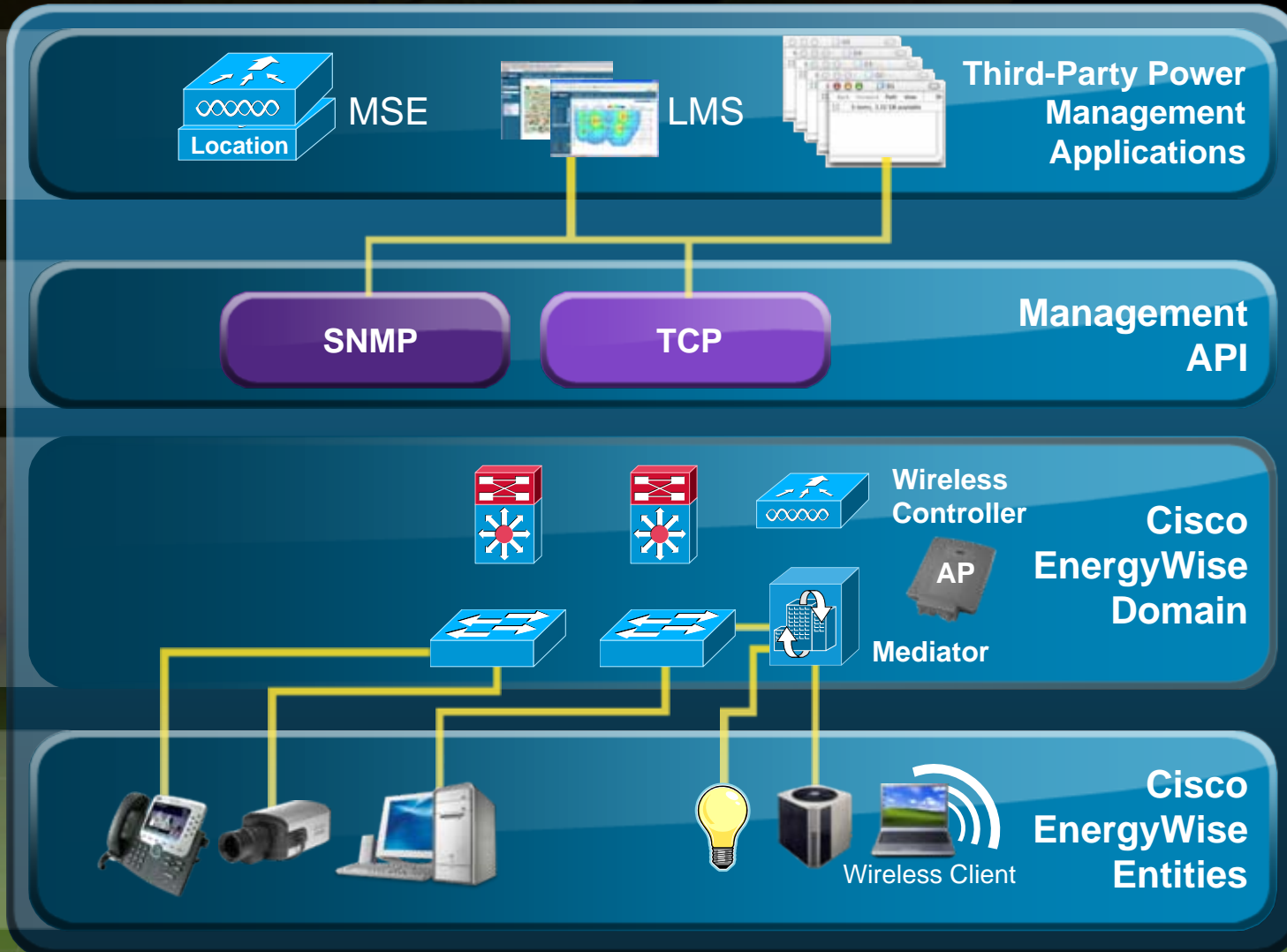
Cisco EnergyWise Components

Cisco® EnergyWise Management Application

Cisco EnergyWise Management Communications (SSL networkwide)

Domain: Logical grouping of entities (child or neighbor)

Entity (unique ID) under one domain (parent or cZchild) MIB (power usage, policy, and alarm)



Cisco Joins Green Sigma Coalition

Introducing Cisco and IBM Energy Management Solution

- Complementary capabilities accomplish higher-level goals
- Begins with integration of Cisco® EnergyWise and IBM Tivoli
- End-to-end energy management achieves significant cost savings
- Offers total visibility into IT and facilities power consumption
- Consolidated view enables business-level optimizations

Two Industry Leaders Join Forces to Solve One Problem

Cisco EnergyWise and IBM Tivoli Collaboration



Cisco® EnergyWise



Data Collection
Event
Management

Automation

Control and
Provisioning

Distributed Energy
Metrics and Events

Energy Control Policies and
Data Center Energy Metrics

Tivoli Software

TBSM, Tivoli Process
Automation, and Maximo

Tivoli Software

ITM for Energy Management
and Omnibus



Distributed Phones,
Security, Network, PCs, etc.

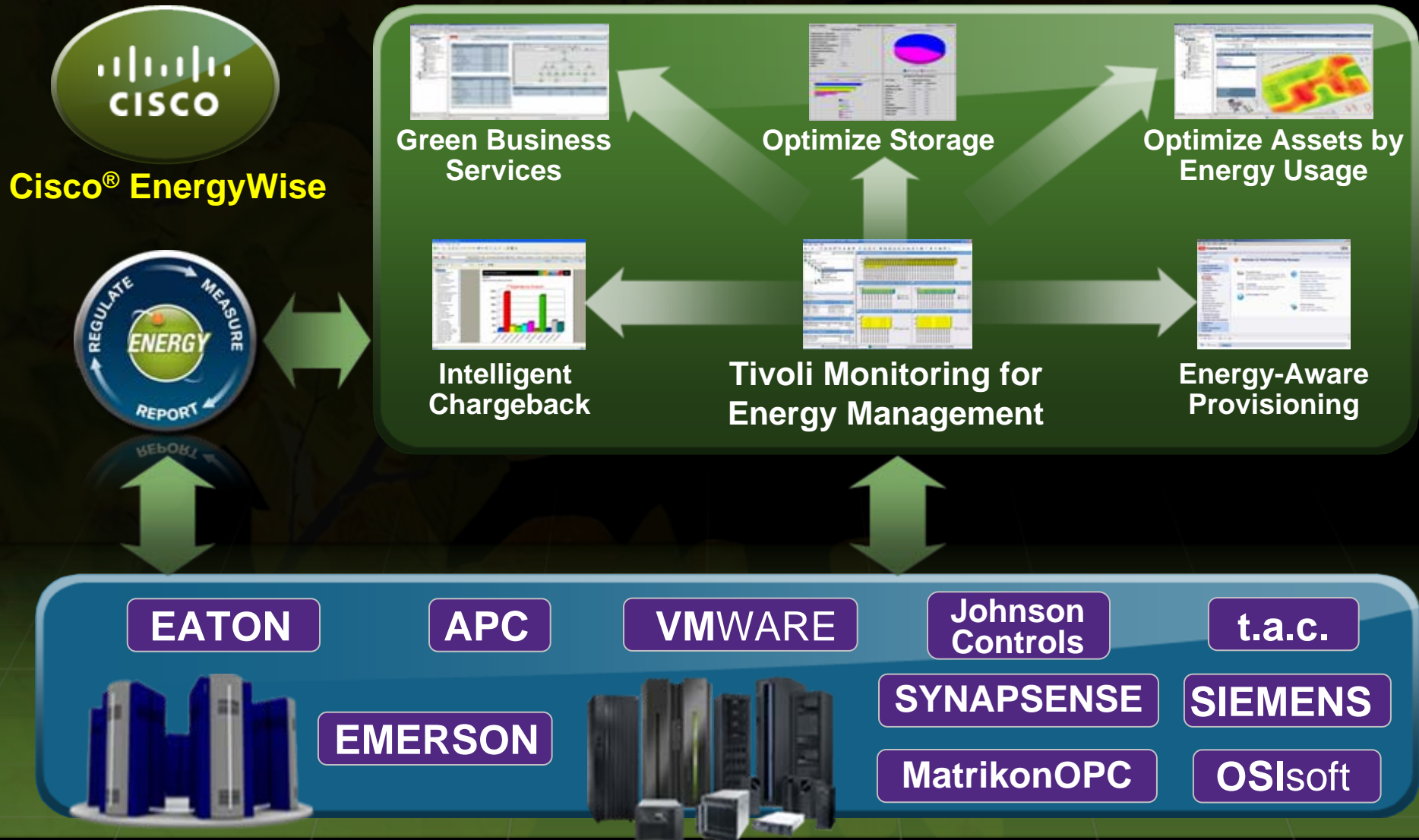


Data Center Servers
and Storage



Facilities

IBM Tivoli Energy Management Overview



Integrated Power Management Roadmap

End to End Energy Management



- Energy/thermal trending
- Energy policies
- Compliance reporting

Phase I

Bi-directional Interaction



- Automation and control of energy consumption
- Policy enforcement integration
- Lower TCO

Phase II

Smart Energy Management



- Asset discovery and management
- Integrated analytics across multiple systems
- Business Decision Making

Phase III

Customer Value

Cisco EnergyWise Partnerships

