



SIEMENS

LEED for Existing Buildings: Operations & Maintenance

Green Building Rating System

Answers for infrastructure.

LEED for Existing Buildings

Siemens Building Technologies impact on the U.S. Green Building Council's LEED® 2009 for Existing Buildings: Operations & Maintenance (LEED EB) Green Building Rating System

The LEED for Existing Buildings Rating System helps building owners and operators measure operations, improvements and maintenance on a consistent scale, with the goal of maximizing operational efficiency while minimizing

environmental impacts. LEED-EB provides a recognized, performance-based benchmark for owners and operators to consistently measure operations, facility improvements and maintenance.

Prereq/Credit	Description	Points	Siemens Impact
Sustainable Sites		26 Points	
Credit 1	LEED Certified Design and Construction	4	
Credit 2	Building Exterior and Hardscape Management Plan	1	
Credit 3	Integrated Pest Management, Erosion Control and Landscape Management Plan	1	
Credit 4	Alternative Commuting Transportation	3 – 15	
Credit 5	Site Development – Protect or Restore Open Habitat	1	
Credit 6	Stormwater Quantity Control	1	■
Credit 7.1	Heat Island Reduction – Non-Roof	1	■
Credit 7.2	Heat Island Reduction – Roof	1	■
Credit 8	Light Pollution Reduction	1	■
Water Efficiency		14 Points	
Prereq 1	Minimum Indoor Plumbing Fixture and Fitting Efficiency	Required	■
Credit 1	Water Performance Measurement	1 – 2	■
Credit 2	Additional Indoor Plumbing Fixture and Fitting Efficiency	1 – 5	■
Credit 3	Water-Efficient Landscaping	1 – 5	■
Credit 4	Cooling Tower Water Management	1 – 2	■
Energy & Atmosphere		35 Points	
Prereq 1	Energy Efficiency Best Management Practices – Planning, Documentation and Opportunity Assessment	Required	■
Prereq 2	Minimum Energy Efficiency Performance	Required	■
Prereq 3	Fundamental Refrigerant Management	Required	■
Credit 1	Optimize Energy Efficiency Performance	1 – 18	■
Credit 2.1	Existing Building Commissioning – Investigation & Analysis	2	■
Credit 2.2	Existing Building Commissioning – Implementation	2	■
Credit 2.3	Existing Building Commissioning – Ongoing Commissioning	2	■
Credit 3.1	Performance Measurement – Building Automation System	1	■
Credit 3.2	Performance Measurement – System-Level Metering	1 – 2	■
Credit 4	On-site and Off-site Renewable Energy	1 – 6	■
Credit 5	Enhanced Refrigerant Management	1	■
Credit 6	Emissions Reduction Reporting	1	■

Prereq/Credit	Description	Points	Siemens Impact
Materials & Resources		10 Points	
Prereq 1	Sustainable Purchasing Policy	Required	
Prereq 2	Solid Waste Management Policy	Required	
Credit 1	Sustainable Purchasing – Ongoing Consumables	1	
Credit 2	Sustainable Purchasing – Durable Goods	1 – 2	
Credit 3	Sustainable Purchasing – Facility Alterations and Additions	1	
Credit 4	Sustainable Purchasing – Reduced Mercury in Lamps	1	
Credit 5	Sustainable Purchasing – Food	1	
Credit 6	Solid Waste Management – Waste Stream Audit	1	
Credit 7	Solid Waste Management – Ongoing Consumables	1	
Credit 8	Solid Waste Management – Durable Goods	1	
Credit 9	Solid Waste Management – Facility Alterations and Additions	1	
Indoor Environmental Quality		15 Points	
Prereq 1	Minimum Indoor Air Quality Performance	Required	■
Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required	■
Prereq 3	Green Cleaning Policy	Required	
Credit 1.1	IAQ Best Management Practices – IAQ Management Program	1	■
Credit 1.2	IAQ Best Management Practices – Outdoor Air Delivery Monitoring	1	■
Credit 1.3	IAQ Best Management Practices – Increased Ventilation	1	■
Credit 1.4	IAQ Best Management Practices – Reduce Particulates in Air Distribution	1	■
Credit 1.5	IAQ Best Management Practices – IAQ Management for Facility Alterations and Additions	1	■
Credit 2.1	Occupant Comfort – Occupant Survey	1	
Credit 2.2	Controllability of Systems – Lighting	1	■
Credit 2.3	Occupant Comfort – Thermal Comfort Monitoring	1	■
Credit 2.4	Daylight and Views	1	■
Credit 3.1	Green Cleaning – High Performance Cleaning Program	1	
Credit 3.2	Green Cleaning – Custodial Effectiveness Assessment	1	
Credit 3.3	Green Cleaning – Purchase of Sustainable Cleaning Products and Materials	1	
Credit 3.4	Green Cleaning – Sustainable Cleaning Equipment	1	
Credit 3.5	Green Cleaning – Indoor Chemical and Pollutant Source Control	1	
Credit 3.6	Green Cleaning – Indoor Integrated Pest Management	1	
Innovation in Operations		6 Points	
Credit 1	Innovation in Operations	1 – 4	■
Credit 2	LEED Accredited Professional	1	■
Credit 3	Documenting Sustainable Building Cost Impacts	1	■
Regional Priority		4 Points	
Credit 1	Regional Priority	1 – 4	

Total points required for each level of certification

Certified 40 – 49	Silver 50 – 59	Gold 60 – 79	Platinum 80 or higher
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Overall Siemens can impact over 50% of the required LEED points, primarily in the categories Energy & Atmosphere and Indoor Environmental Quality.

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly

growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the preferred partner for energy-efficient, safe and secure buildings and infrastructure.”