

The background of the entire page is a photograph of a modern glass skyscraper. The glass panels reflect the sky and a nearby historic building with ornate architectural details. In the bottom right corner, there are green trees. The Siemens logo is positioned in the top left corner, set against a white rectangular background.

**SIEMENS**

# LEED for New Construction and Major Renovations

Green Building Rating System

Answers for infrastructure.

# LEED for New Construction and Major Renovation

## Siemens Building Technologies impact on the U.S. Green Building Council's LEED® 2009 for New Construction and Major Renovations (LEED NC) Green Building Rating System

The LEED for New Construction and Major Renovations rating system is designed to guide high performance commercial and institutional projects, including office buildings, high-rise residential buildings, government buildings, recreational

facilities, manufacturing plants and laboratories. The intent is to promote healthful, durable, affordable and environmentally sound practices in building design and construction.

Prereq/Credit	Description	Points	Siemens
<b>Sustainable Sites</b>		<b>26 Points</b>	
Prerequisite 1	Construction Activity Pollution Prevention	Required	
Credit 1	Site Selection	1	
Credit 2	Development Density & Community Connectivity	5	
Credit 3	Brownfield Redevelopment	1	
Credit 4.1	Alternative Transportation – Public Transportation Access	6	
Credit 4.2	Alternative Transportation – Bicycle Storage and Changing Rooms	1	
Credit 4.3	Alternative Transportation – Low-Emitting and Fuel-Efficient Vehicles	3	■
Credit 4.4	Alternative Transportation – Parking Capacity	2	
Credit 5.1	Site Development – Protect or Restore Habitat	1	
Credit 5.2	Site Development – Maximize Open Space	1	
Credit 6.1	Stormwater Design – Quantity Control	1	
Credit 6.2	Stormwater Design – Quality Control	1	
Credit 7.1	Heat Island Effect – Nonroof	1	
Credit 7.2	Heat Island Effect – Roof	1	■
Credit 8	Light Pollution Reduction	1	■
<b>Water Efficiency</b>		<b>10 Points</b>	
Prerequisite 1	Water Use Reduction	Required	
Credit 1	Water-Efficient Landscaping	2 – 4	■
Credit 2	Innovative Wastewater Technologies	2	■
Credit 3	Water Use Reduction	2 – 4	
<b>Energy &amp; Atmosphere</b>		<b>35 Points</b>	
Prerequisite 1	Fundamental Commissioning of Building Energy Systems	Required	■
Prerequisite 2	Minimum Energy Performance	Required	■
Prerequisite 3	Fundamental Refrigerant Management	Required	
Credit 1	Optimize Energy Performance	1 – 19	■
Credit 2	On-site Renewable Energy	1 – 7	■
Credit 3	Enhanced Commissioning	2	■
Credit 4	Enhanced Refrigerant Management	2	■
Credit 5	Measurement and Verification	3	■
Credit 6	Green Power	2	■

Prereq/Credit	Description	Points	Siemens Impact
<b>Materials &amp; Resources</b>		<b>14 Points</b>	
Prerequisite 1	Storage and Collection of Recyclables	Required	
Credit 1.1	Building Reuse — Maintain Existing Walls, Floors and Roof	1 – 3	
Credit 1.2	Building Reuse — Maintain Existing Interior Nonstructural Elements	1	
Credit 2	Construction Waste Management	1 – 2	
Credit 3	Materials Reuse	1 – 2	
Credit 4	Recycled Content	1 – 2	
Credit 5	Regional Materials	1 – 2	
Credit 6	Rapidly Renewable Materials	1	
Credit 7	Certified Wood	1	
<b>Indoor Environmental Quality</b>		<b>15 Points</b>	
Prerequisite 1	Minimum Indoor Air Quality Performance	Required	■
Prerequisite 2	Environmental Tobacco Smoke (ETS) Control	Required	■
Credit 1	Outdoor Air Delivery Monitoring	1	■
Credit 2	Increased Ventilation	1	■
Credit 3.1	Construction Indoor Air Quality Management Plan – During Construction	1	
Credit 3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	1	■
Credit 4.1	Low-Emitting Materials – Adhesives and Sealants	1	
Credit 4.2	Low-Emitting Materials – Paints and Coatings	1	
Credit 4.3	Low-Emitting Materials – Flooring Systems	1	
Credit 4.4	Low-Emitting Materials – Composite Wood and Agrifiber Products	1	
Credit 5	Indoor Chemical and Pollutant Source Control	1	■
Credit 6.1	Controllability of Systems – Lighting	1	■
Credit 6.2	Controllability of Systems – Thermal Comfort	1	■
Credit 7.1	Thermal Comfort – Design	1	■
Credit 7.2	Thermal Comfort – Verification	1	■
Credit 8.1	Daylight and Views – Daylight	1	
Credit 8.2	Daylight and Views – Views	1	
<b>Innovation in Design</b>		<b>6 Points</b>	
Credit 1	Innovation in Design	1 – 5	■
Credit 2	LEED Accredited Professional	1	
<b>Regional Priority</b>		<b>4 Points</b>	
Credit 1	Regional Priority	1 – 4	

Total points required for each level of certification

<b>Certified</b> 40 – 49	<b>Silver</b> 50 – 59	<b>Gold</b> 60 – 79	<b>Platinum</b> 80 or higher
-----------------------------	--------------------------	------------------------	---------------------------------

Overall Siemens can impact over 50% of the required LEED points, primarily in the categories Energy & Atmosphere and Indoor Environmental Quality.

Siemens Switzerland Ltd  
Infrastructure & Cities Sector  
Building Technologies Division  
International Headquarters  
Gubelstrasse 22  
6301 Zug  
Switzerland  
Tel +41 41 724 24 24

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.

© Siemens Switzerland Ltd, 2012

#### **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.”**