

# LEED

How to integrate complex LEED requirements into a project? Ask any LEED question you might have!

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Definition / Benefits	Constraints / Challenges / Barriers
<p><b><u>Topic Definition</u></b></p> <ul style="list-style-type: none"> <li>Green Building rating System by USGBC– since 1998</li> <li>Point Based: Prerequisites / Credits</li> <li>Different Environmental Categories: Sustainable Sites, Water Efficiency, Materials &amp; Resources, Indoor Environmental Quality, Innovation</li> <li>Levels: Certified, Silver, Gold, Platinum</li> <li>Schemes: New Construction, Core &amp; Shell, School, Healthcare etc.</li> </ul> <p><b><u>Why Certify?</u></b></p> <ul style="list-style-type: none"> <li>Credibility – third party certification</li> <li>Image - Marketing</li> <li>Enhanced Environmental Performance</li> </ul>	<ul style="list-style-type: none"> <li>Cost: Certification fees (USGBC), Consultant fees, Additional construction costs</li> <li>Renovation may be more difficult than New Construction</li> <li>Small Projects may find it difficult</li> <li>Availability of compliant Materials</li> <li>Mentality</li> <li>Lack of Infrastructure</li> <li>Lack of Local Skills / proper execution</li> <li>Lack of Environmental Laws</li> </ul> <p><b><u>Example of credits</u></b></p> <ul style="list-style-type: none"> <li>FSC Wood credit: 50% of wood must be certified</li> <li>Water Use Reduction prerequisite and credits: 20%, 30%, 40% reduction</li> </ul>
Best Practice / Solutions / Tools	Resources / Local Availability
<ul style="list-style-type: none"> <li>Cost: NEEREA Loan (low interest 1% loan), Loan amount = 15%-45% of construction costs. Interesting for</li> </ul>	<ul style="list-style-type: none"> <li>Websites: usgbc.org, leeduser.com</li> <li>LEED Consultants</li> <li>LEED GA / LEED AP (Accredited)</li> </ul>

<p>developers</p> <ul style="list-style-type: none"> <li>• Energy Performance: reduced energy bills, benefit for the occupants/ Water Performance: less resort to water cisterns during Summer</li> <li>• More &amp; More suppliers with compliant products</li> <li>• More &amp; More Projects ~ 40 LEED registered projects</li> <li>• Step by Step: Design / Specifications / Tender / Materials Submittals verification/ Execution</li> </ul> <p><b><u>Example of credits</u></b></p> <ul style="list-style-type: none"> <li>• FSC COC certification for Wood Subcontractor and Distributor – Some local suppliers are FSC COC certified</li> <li>• Non-potable Water resources to be considered for a maximum savings: Rainwater, A/C Condensate and Greywater recycling.</li> </ul>	<p>Professionals)</p> <ul style="list-style-type: none"> <li>• Experts: Commissioning Agents / Thermal Modeling Specialists etc.</li> <li>• LIBNOR / LCEC / LGBC are working on a Green Building Standard</li> <li>• Universities with Green Education program</li> </ul>
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