

# Sustainable Construction Sites

What type of sustainable construction measures & solutions can be taken on site in Lebanon, how, and what are the additional costs & challenges to overcome?

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**Short Profile:** Builder, architect and dreamer, Ramzi Salman is a ‘serial’ entrepreneur who tirelessly constructed projects since the start of his professional life in the early eighties. This passionate lover of Lebanon has been witnessing the destruction of his homeland, and the erosion of its beauty. In his own way, Ramzi took a stand against this destructive trend and initiated Bkerzay, a conservation project in the Chouf Mountain between DeirDourit and Baakline. The aim of the Bkerzay project is preserve Chouf’s know how and heritage; halt the migration of the rural population to the city; revive local craftsmanship; create the economic enablers for local farmers to market their unprocessed ‘terroir’ products; build an eco-tourism destination where urban population meet rural in a preserved environment, where the vernacular architecture seamlessly and beautifully integrates with the preserved landscape. Bkerzay celebrates the natural beauty of Lebanon and reinforces local populations’ pride and attachment to the land.

In his day job, Ramzi is the CEO of A.R. Hourie Enterprises a Lebanese contracting company.

Definition / Benefits	Constraints / Challenges / Barriers
<ul style="list-style-type: none"><li>✓ What are sustainable construction sites?</li><li>✓ What certification programs we have been working with on our projects?</li><li>✓ Examples of sustainable projects we</li></ul>	<ul style="list-style-type: none"><li>✓ Additional costs involved:<ul style="list-style-type: none"><li>• Involvement of engineering team</li><li>• Involvement of labor team</li></ul></li><li>✓ Challenges to overcome:</li></ul>

<ul style="list-style-type: none"> <li>are constructing:</li> <li>✓ FNB Headquarters</li> <li>✓ Bkerzay Village</li> </ul>	<ul style="list-style-type: none"> <li>• Getting the project team on board with the idea of sustainability and getting them involved</li> <li>• Finding suppliers and subcontractors ready to assist in achieving sustainability in construction</li> </ul>
<b>Best Practice / Solutions / Tools</b>	<b>Resources / Local Availability</b>
<ul style="list-style-type: none"> <li>✓ Measures for preventing pollution due to construction activities:</li> <li>✓ erosion and sedimentation control</li> <li>✓ prevention of air pollution due to dust</li> <li>✓ general pollution prevention</li> <li>✓ Measures for promoting the comfort and well-being of construction workers while working indoor</li> <li>✓ Measures for reducing construction waste:</li> <li>✓ ready-mix concrete</li> <li>✓ reinforcement steel</li> <li>✓ wood</li> </ul>	<ul style="list-style-type: none"> <li>✓ Paper and cardboard recycling companies</li> <li>✓ Reinforcement steel suppliers ready to recycle</li> <li>✓ Available guidelines that breakdown the process of achieving sustainable sites into specific activities</li> <li>✓ Bkerzay Village a representation of the concept and application of sustainable projects.</li> </ul>