

# Vesta Advantages

<i>Advantages of the VESTATM Quick Build System</i>	
<b>The Builder</b>	<b>A Home Owner</b>
<ul style="list-style-type: none"> <li>The basic material – steel, has remained stable in price over the years.</li> </ul>	<ul style="list-style-type: none"> <li>Vesta offers a strong, safe structure with low maintenance and a slow aging process.</li> </ul>
<ul style="list-style-type: none"> <li>LGS is lightweight, which makes construction easier without the use of heavy construction equipment.</li> </ul>	<ul style="list-style-type: none"> <li>The construction materials used are non-combustible. They will not burn or melt and will not add fuel to the spread of a fire.</li> </ul>
<ul style="list-style-type: none"> <li>It allows for better quality of construction, with straight walls, square corners and less visible defects.</li> </ul>	<ul style="list-style-type: none"> <li>Vesta Homes are resistant to termites or any types of organisms, and thus provide a healthier environment.</li> </ul>
<ul style="list-style-type: none"> <li>The consistent quality of LGS components reduces job site wastage and scrap.</li> </ul>	<ul style="list-style-type: none"> <li>The light weight of the structure reduces the possibility of foundation problems.</li> </ul>
<ul style="list-style-type: none"> <li>LGS components can be supplied to exact lengths and sizes, thus eliminating jobsite cutting or trimming.</li> </ul>	<ul style="list-style-type: none"> <li>The strong structure and light weight construction of Vesta Homes have a high resistance to wind and seismic forces.</li> </ul>
<ul style="list-style-type: none"> <li>Steel wall panels and floor decking can provide excellent sound insulation and fire resistance ratings, based on design applications.</li> </ul>	<ul style="list-style-type: none"> <li>Vesta Homes are more energy efficient and have better thermal resistance properties than homes built of conventional materials.</li> </ul>
<ul style="list-style-type: none"> <li>With LGS wall panels systems such as the Vesta system, the quicker erection time means savings to the builder, developer or building owner through reduced financing costs.</li> </ul>	<ul style="list-style-type: none"> <li>Can be engineered to withstand typhoon and hurricane force winds.</li> </ul>
<ul style="list-style-type: none"> <li>Steel construction has been in widespread use in developed countries and is now gaining wide-spread acceptance in developing countries.</li> </ul>	<ul style="list-style-type: none"> <li>Can be engineered for earthquake resistance, and extreme seismic loading.</li> </ul>
<ul style="list-style-type: none"> <li>Convenient for shipping (up to 20 home kits per 40' container)</li> </ul>	<ul style="list-style-type: none"> <li>Significantly reduces overall building cost.</li> </ul>



## *Why is Steel a better construction material?*

- It has a high strength to weight ratio.
- It is 100% recyclable and can be recycled again and again without losing its physical properties.
- It is inorganic and will not rot, warp, split or crack.
- It is dimensionally stable – does not expand or contract with moisture content.
- Because it is produced in strict accordance with national standards, there is no variation in quality from region to region.
- Steel is a non-combustible material and will not add fuel to a fire, or be susceptible to fire during an earthquake.
- LGS buildings such as those built using the Vesta System are engineered structures that can be designed to meet any degree of loading such as high seismic or high wind loads.