



## PROJECT. Sustainable Living Concepts

Subproject: Low Energy Single Family Houses

Projectdescription: Solar City Kumasi

### Subproject: Low Energy Single Family Houses

We created a Master Development Plan for Ghana`s Private Single Houses

Project Description:	Houses	Timeframe :	Investment	MW
Low Energy Houses	200	Q2 to Q4 2016	10.000.000 USD	1,0
Low Energy Houses	200	Q1 to Q4 2017	10.000.000 USD	1,0
Low Energy Houses	400	Q1 to Q4 2018	20.000.000 USD	2,0
Low Energy Houses	600	Q1 to Q4 2019	30.000.000 USD	3,0
Low Energy Houses	600	Q1 to Q4 2020	30.000.000 USD	3,0
<b>Total Amount</b>	<b>2.000</b>		<b>100.000.000 USD</b>	<b>10,0</b>
<b>Generated Jobs for Ghana with this Project (until 2020)</b>			<b>800</b>	



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### Subproject: Low Energy Private Buildings



The SolarCity for Single-Family-Homes has essentially the same advantages as the solarCity for apartments. The entire residential area is protected with a surrounding wall. at the entrance controls the security service anyone who wants to enter the solarCity. Housing security helps to ensure a safe and enjoyable living environment. Security cameras located inside and outside the solar city as well as 24-hour availability of professional staff provide a protected setting.



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### Subproject: Low Energy Private Buildings

The site offers general green areas and water areas and a communal pool. Each house is built in accordance with latest low energy technology. Modern inverter technology allows the efficient generation of cooling and thermal energy. A house of Jupiter is optimally insulated. This ensures that the temperature is stored in the house as long as possible. Unwanted outside temperature can not reach the interior of the house through the insulation and through the built-in window blinds. Using this energy-saving solution, the House requires very little electrical power. Therefore, it is possible to produce the electricity entirely with the built-in solar system. The homeowner never again needs to buy expensive electricity from the public grid.

