

## Features of a Proposed Project

<b>Project Name:</b>	<b>Electrical panels components (switches - relays - contactors)</b>	
<b>Project Purpose:</b>	<b>Manufacture and assembly of Electrical panel components (switches - Relays – Connectors). Which are used in electricity distribution panels located in all facilities i.e. homes, commercial places, offices , ..etc..</b>	
<b>Field / sector:</b>	<b>Engineering (power) industry</b>	
<b>Targeted Markets:</b>	<b>local market</b>	
<b>Production Capacity as an Example:</b>	<b>2 million units / year</b>	
<b>Required area:</b>	<b>3000 m<sup>2</sup></b>	
<b>Buildings Area:</b>	<b>2000 m<sup>2</sup></b>	
<b>Main Raw Materials and Supplies:</b>	<b>Plastic Polycarbonate (PC)</b> <b>Key Mechanics (Mechanical Operation Parts)</b> <b>Printing materials</b> <b>Plastic actuator for operation and lock</b> <b>Electric Power Unit</b> <b>Metal parts</b>	
<b>Main Project Machinery and Equipment:</b>	<b>Plastic Injection Machine</b> <b>Plastic Molds</b> <b>Assembly line</b> <b>Special test unit for circuit breakers</b> <b>Welding machine</b> <b>Hydraulic Press</b> <b>Mechanical and electrical testing equipment</b> <b>AC test device, DC</b> <b>Speed Test Device (PC)</b> <b>Electrical Insulation Device</b> <b>Gas leak testing unit</b> <b>SC Pallet Testing Machine</b> <b>O.L Load Testing Machine</b> <b>MECHANICAL TESTING MACHINE</b> <b>Air rivet, forming and suction machine</b>	
<b>Annual Consumptions of the Project:</b>	• Consumption of electricity	<b>200 M.W.H</b>
	• Consumption of water	<b>600 m<sup>3</sup></b>
<b>Labour Required:</b>	<b>50</b>	
<b>Project Products:</b>	<b>Switches - relays - contactors (electrical panel components)</b>	

**N.B.:** This study is a rough estimate of the Example; a detailed feasibility study should be conducted.