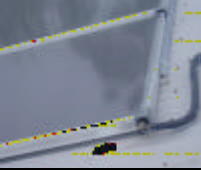





Going Solar specialises in the following selected technologies & programs.

Subject	Description	Detail	
Hot Water	Solar Thermal	<ul style="list-style-type: none"> ▪ Split Systems ▪ Close Coupled ▪ Constant Pressure ▪ Heat Pumps ▪ Waste Heat Recovery 	
	Wood Heating	<ul style="list-style-type: none"> ▪ Constant Pressure ▪ Mains Pressure¹ 	
Wood²	Wood Heating	<ul style="list-style-type: none"> ▪ Space Heating ▪ Cooking 	
Electricity	Photovoltaic	<ul style="list-style-type: none"> ▪ Surface mounted PV ▪ Building Integrated PV ▪ (See PV Glazing) 	
	Thermal-Electric	<ul style="list-style-type: none"> ▪ High Temp Solar HW ▪ Waste Heat 	
	Geothermal	<ul style="list-style-type: none"> ▪ Under Investigation 	
	Wave Power	<ul style="list-style-type: none"> ▪ Under Investigation 	
	Small Wind Gens ³	<ul style="list-style-type: none"> ▪ Site Specific 	
Lighting	Enhanced Glazing	<ul style="list-style-type: none"> ▪ PV Glazing ▪ Smart Glazing 	
	Day Lighting	<ul style="list-style-type: none"> ▪ Skylights ▪ Solar Tubes ▪ Light Shelves 	
	Optic Fibres	<ul style="list-style-type: none"> ▪ Under Investigation 	
	Efficient Artificial Lighting	<ul style="list-style-type: none"> ▪ Strip Fluorescence ▪ Compact Fluorescence ▪ LEDs 	
Passive Design	Urban / Rural Design ⁴	<ul style="list-style-type: none"> ▪ Sustainable Urban Design Basics ▪ Rural Master Planning 	


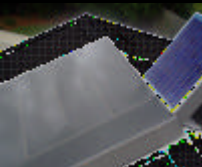


¹ Must be an open-vented system

² Wood is 'stored sunlight'. If harvested appropriately it can be considered a renewable resource. If burnt efficiently can be considered greenhouse friendly but should not be used in certain cities.

³ Less than 2kW

⁴ In association with Urban Designers



	Building Design Principles ⁵	<ul style="list-style-type: none"> ▪ Aspect ▪ Window Placement ▪ Eaves ▪ Thermal Mass ▪ Material Selection 	
Space Heating	Passive Heating	<ul style="list-style-type: none"> ▪ (see Passive Design) ▪ Glasshouses⁶ 	
	Active Heating	<ul style="list-style-type: none"> ▪ Solar Thermal Pre-heater ▪ Heat Transfer Units ▪ Ceiling Fans ▪ Seasonal Storage 	
Space Cooling	Passive Cooling	<ul style="list-style-type: none"> ▪ Passive Cooling System ▪ Solar Chimney 	
	Active Cooling	<ul style="list-style-type: none"> ▪ Active Cooling System ▪ Absorption Chillers⁷ ▪ Phase Change Materials 	
Insulation	Thermal Protection Noise Reduction	<ul style="list-style-type: none"> ▪ Roof Insulation <ul style="list-style-type: none"> ▪ Reflective Insulation ▪ Bulk Insulation ▪ Wall Insulation ▪ Floor Insulation <ul style="list-style-type: none"> ▪ Slab Insulation ▪ Glass Insulation⁸ <ul style="list-style-type: none"> ▪ Double Glazing ▪ Triple Glazing 	
Vegetation	Thermal Protection Noise Reduction Aesthetics	<ul style="list-style-type: none"> ▪ Vegetation as Insulation⁹ ▪ Deciduous Trees/ Vines¹⁰ ▪ Evergreen Trees/ Vines¹¹ ▪ Indoor Plants¹² ▪ Water Efficient Gardens¹³ 	

⁵ In association with Architects

⁶ On a north wall

⁷ In association with others

⁸ See also Enhanced Glazing under **Lighting**

⁹ Evergreen plants on all external walls






¹⁰ Shading for north facing aspect

¹¹ Protection for west, south and east walls

¹² Indoor Plants for aesthetic and healthy buildings

¹³ In association with Landscape Architects



Energy Efficiency	Energy Audits ¹⁴	<ul style="list-style-type: none"> Domestic & Commercial 	
	Efficient Appliances	<ul style="list-style-type: none"> Refrigerators Phantom Loads 	
Water	Water Harvesting	<ul style="list-style-type: none"> Rainwater Collection Water Mining 	
	Water Recycling	<ul style="list-style-type: none"> Greywater Systems 	
	Water Storage	<ul style="list-style-type: none"> Above Ground Tanks Underground Storage¹⁵ 	
Surface Coverings	Non-toxic Products	<ul style="list-style-type: none"> Paint Carpet Other Floor Coverings 	
Healthy Buildings¹⁶	Non-toxic Products	<ul style="list-style-type: none"> Furniture 	
	Ventilation	<ul style="list-style-type: none"> (see Passive Design) 	
Fire Safety¹⁷	Bush Fire	<ul style="list-style-type: none"> Protection 	
Waste Reduction	Policy	<ul style="list-style-type: none"> Green Purchasing Life-Cycle Analysis Cradle-to-Grave 	
	Recycling Programs	<ul style="list-style-type: none"> Paper Compost Water Heat Recovery 	
Transport	Self-Powered	<ul style="list-style-type: none"> Bicycles, Tricycles Bike Racks/ Storage 	
	Electric Vehicles	<ul style="list-style-type: none"> Scooters Cars Trolley Buses 	
	Flywheel Driven (partially PV powered)	<ul style="list-style-type: none"> Light Trams 	
	Rail Line	<ul style="list-style-type: none"> Holdfast Track Holdfast Clips 	

¹⁴ In association with Energy Auditors

¹⁵ See also Seasonal (Heat) Storage and Active Cooling System

¹⁶ See also **Surface Coverings**

¹⁷ In association with others

