



Sunnytek Solar Sweden

Components and systems for Tea factories

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Solutions useable in a Tea factory.

Here we short list some products where it can be attractive to order and buy in Sweden for a solution of a new tea factory. When power consumption in the factory is calculated this will have large impact on efficiency and lots of costs will be saved. Here i name all so a careful selection based on calculations is needed.



Solar hot water + steam panels Absolicon design. Will make steam by sun and replace a good part of what is needed in Eukalyptus wood today. Max 165 C in temperature. makes steam and overheated pressurised water for dryers.

ASV hot water panels can be preheater and make water up to 90C in temperature. They are far cheaper and a good combination with Absolicon panels.



Solar panels on roof or surface that generates power. Here we see a farm in the range of about 1 MWH output. Makes electricity for the production.

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Large capacity energy storage in new battery technology. This image shows a 1 MW max out put system with 4 MWH storage capacity. Charged by solar panels but can also use genset and grid if reason exists.

High insulated hot water and steam tubes with very good insulation. Saves losses in energy and reduce steam consumption. Plastic designs handle 100C and steel much more. Losses about 5 W / Meter tube.



Solid fuel boilers by new efficient design. Preferable using wood chips that are dried but can use logs like now. Very high efficiency and compared to now we get about 90-92% efficiency and save about 20% of wood consumption compared to an old ship style boiler. Very little smoke and clean air by filters. EU standards fulfilled.

One model can also use waist from city dump and make power from this. Here good filters makes boilers with no smoke and also high efficiency.

All models can have a high degree of automation and partially work unmanned for many hours / days



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High temperature heat pumps that convert low temperature to high temperatures. They have a good COP value and typical 1 KW power gives 4-6 KW of hot water. Max temperature is now 95-150C depending on solution. Powerful enough to make heat for driers with electricity. 100 KW electricity will them make heat of 400-500KW in energy.



High efficiency led lamps of industrial designs. Here we get more light flux out of led lamps than fluorescent older lamps. Typically we save 75% of power at floor level. Efficiency 160-200 Lumen / W compared to standard China led lamps that have about 100-110 Lumen / W so here we save at least 30-40 % in power.

All types of electric junction materials for electrical installations. We have possible all needed in factory and guess parts of this is cheaper in Sweden and better quality. Possible better finances can be available this way by state export credits. In Burundi most materials are at least 30% more costly than Sweden even if handle all costs for freight and import.



New generation of air fans with better efficiency and reduced noise. Power costs can be reduced a lot and silence is always good. We have fans and alos water coolers etc. Needs an investigation but possible a good solution



