

NATURAL INNOVATION FOUNDATION

Technology in service of the planet and its peoples

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MY BACKGROUND

- ✗ Co-founded an ISP in 1985
- ✗ Co-founded apc.org in 1989
- ✗ Involved in authoring internet standards like HTTP, URL, VRML etc
- ✗ Last 10 years commercialising green technologies
 - + Solar; Bio-plastic; paper from bananas etc
- ✗ Now running a NGO.

AN INVESTORS CHECKLIST

<input checked="" type="checkbox"/> Great Idea	<input type="checkbox"/> Unprotectable IP
<input checked="" type="checkbox"/> Solves a Real Problem	<input type="checkbox"/> Based overseas
<input checked="" type="checkbox"/> Technically feasible	<input type="checkbox"/> Bottom of the Pyramid
<input checked="" type="checkbox"/> Competent people	<input type="checkbox"/> Low Margins
<input checked="" type="checkbox"/> Scaleable Viable market	<input type="checkbox"/> Venture Capital Returns

- ✗ Finding interesting technologies
- ✗ Supporting tech & biz development
- ✗ Finance raising
- ✗ Strategic partnerships
- ✗ Volunteers
- ✗ Introductions


VORTEC HYDRO



Vortec

Low head, cost-effective

SMALL SCALE WIND



INTEGRATED AGRICULTURE / HORTICULTURE / ENERGY

1
Nutrients, Converted from Fish Effluent, Feed Plants

2
Water is Cleaned by Plants and Returned to Fish

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SMALL SOLAR LIGHTS INSTEAD OF KEROSENE

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SOLAR POWER VILLAGES

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TEST SITE IN PORTUGAL

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ANOTHER VIEW

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THE GREENHOUSE

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GREENHOUSE - SHARED BENEFITS



www.sunvention.org



SUNRAY 2 - FRESNEL LENS



www.sunvention.org



DETAIL OF HEAT COLLECTORS



www.sunvention.org



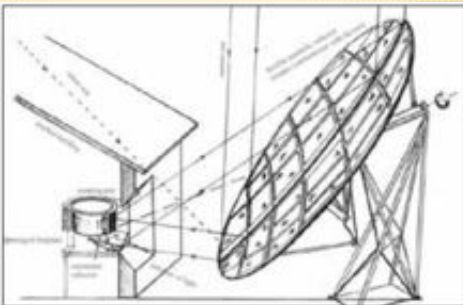
ADJUSTING THE FOCUS



www.sunvention.org



SCHEFFEL MIRROR



www.sunvention.org

OR AS SEEN HERE IN PRACTICE



www.sunvention.org

MADE FROM CHEAP MATERIALS



FOCUS ON A MIRROR



USING OIL FOR COOKING



STRANGE UFO IN THE VILLAGE



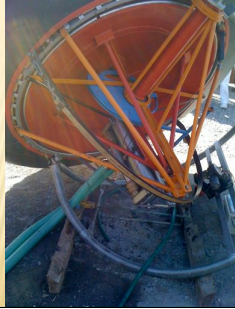
SUNPULSE WATER PUMP



CONCENTRATED SOLAR THERMAL PUMP



STIRLING ENGINE CONNECTED TO PUMP



www.sunvention.com



ANOTHER UFO



www.sunvention.com



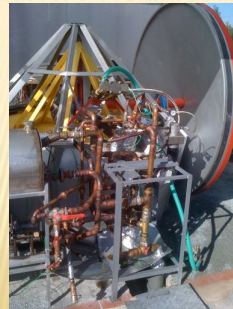
OIL POWERED STIRLING ENGINE



www.sunvention.com



BACKUP BOILER & FLYWHEEL



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TOGETHER



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IF WE COULD EXTRACT OXYGEN FROM AIR



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HIGH QUALITY HEAT OR BURN WET BIOMASS



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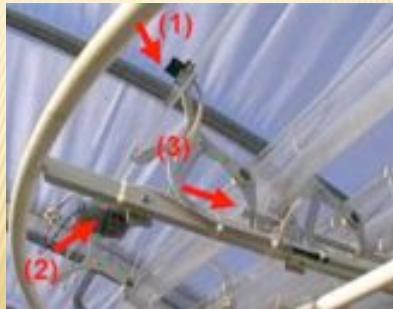


SUNFLOWER 2 - ANOTHER UFO



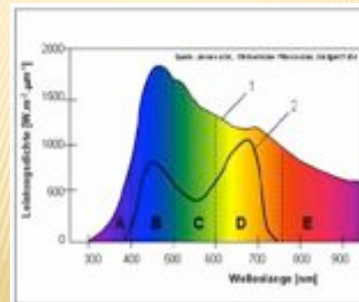
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STEERED IN 2 AXIS



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PLANTS ONLY USE PART OF SOLAR SPECTRUM



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SO WE CAN ADJUST IT



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HOW ABOUT COLLECTING LIGHT



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USING A SET OF LENSES



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OR ON SIDE OF BUILDING



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AND PIPE IT INDOORS



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SO WE DON'T NEED ELECTRIC LIGHTS



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OR USE IT FOR GROWING ALGAE IN TANKS



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