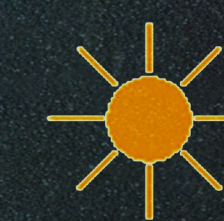


# Cell Factories

Vortex  
Bladeless  
Wind Energy  
resonant wind generators



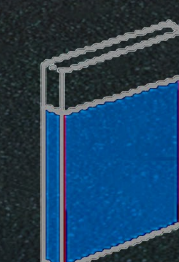
Mediator-Free  
Microbial  
Fuel Cell



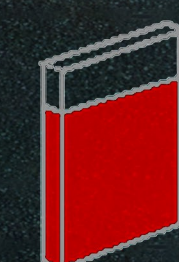
Global radiation, Masdar  
**1100** kWh/m<sup>2</sup>a



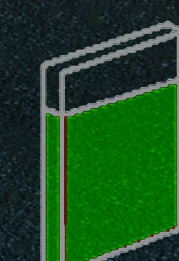
**550** kWh/m<sup>2</sup>a  
50% loss due to orientation



Desalinated Water  
CO<sub>2</sub> reduction



Heat (38% ECS)  
**220** kWh/m<sup>2</sup> p.a.  
CO<sub>2</sub> reduction  
0,04 t/m<sup>2</sup> p.a.



Biomass (10% ECS)  
**50** kWh/m<sup>2</sup> p.a.  
CO<sub>2</sub> reduction  
0,015 t/m<sup>2</sup> p.a.