

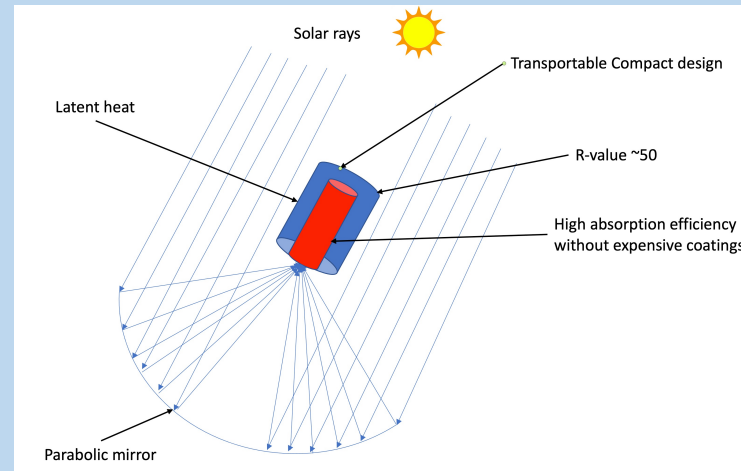
Store solar radiation as heat

Portable Solar pumped Thermal Storage Units

- High energy density
- Easy to transport
- Modular
- Easy to integrate into existing power plants
- Perfect for heating buildings

Utility

- Residential **space heating**
- Hot water for buildings
- Heated pavements
- Commercial space heating
- Greenhouse farms heating
- Vertical farms are even more attractive
- Mushroom farms
- Drive turbines in **power plants**
- Fuel for **Automobiles** with steam engines
- Solar assisted pyrolysis of plastic
- DC power with Thermophotovoltaics
- Thermoelectric generators



Problems solved:

- ✓ Scalability
- ✓ Worldwide distribution
- ✓ Cost per unit of energy
- ✓ Efficiency of energy usage
- ✓ Safety
- ✓ Better return on investment
- ✓ Transportable from Space
- ✓ Positive economic impact

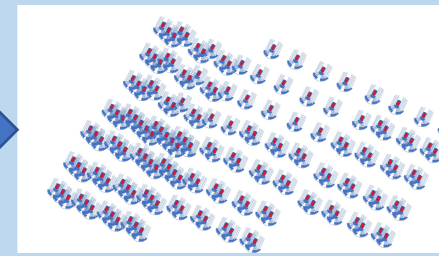
Compact and no explosives!!



Current CSP



Our implementation



Harmony with nature!!!