

Direct Solar Hydrogen:

The next Steps

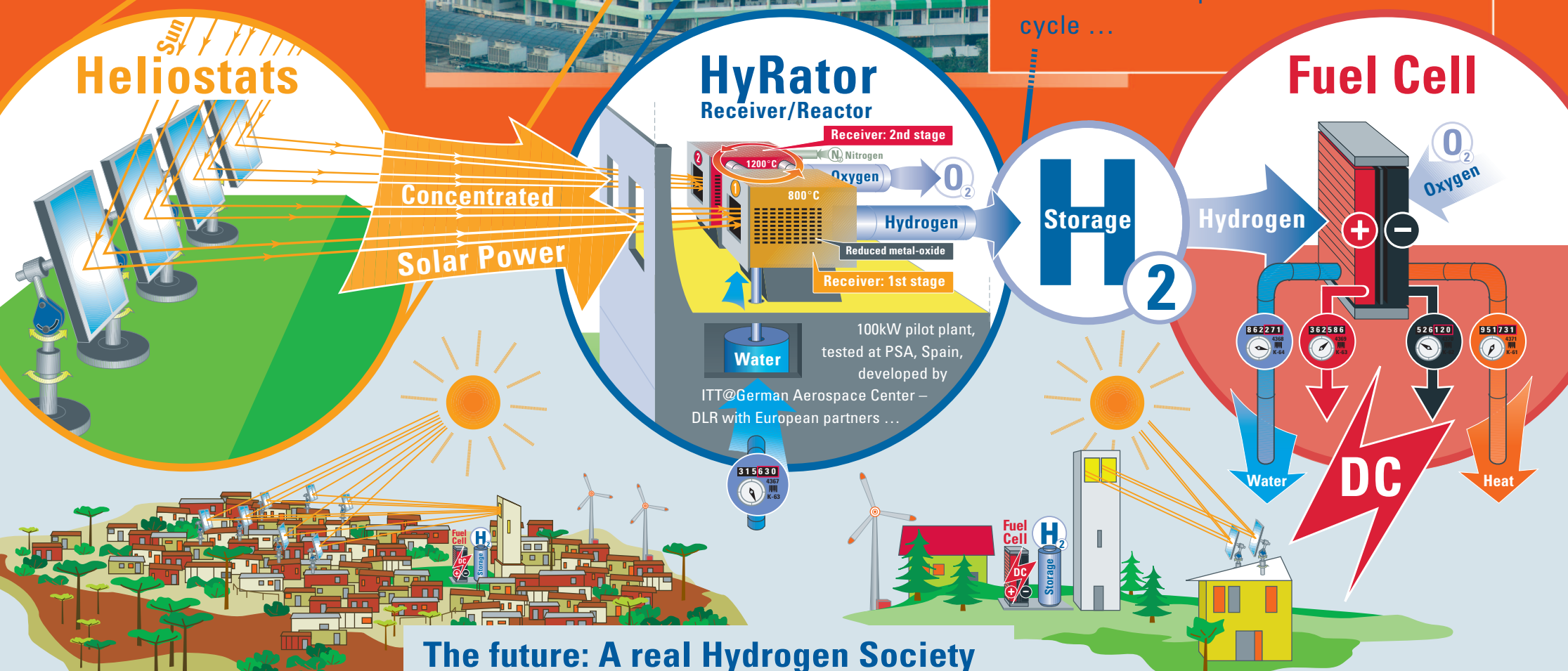
The reality: Fossil-based Hydrogen

The world's economy uses about 45×10^6 tons of hydrogen p.a., worth US\$ 280 billion. 96 % of it is derived from fossil fuels, only 4 % from electrolysis ...



The potential: Direct Solar Hydrogen

Harvesting concentrated solar power to produce sustainable hydrogen from water in a 2-step thermo-chemical cycle ...



The future: A real Hydrogen Society

This socio-technical scenario requires radical changes: Implementing hydrogen as a real sustainable energy carrier, fed into Fuel Cells, sited at the points of use. Electricity, heat and water will be consumed off-grid, boosting inbuilt system efficiency ...

