



מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

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A proposed energy conversion process for making solar energy a major player in global power generation

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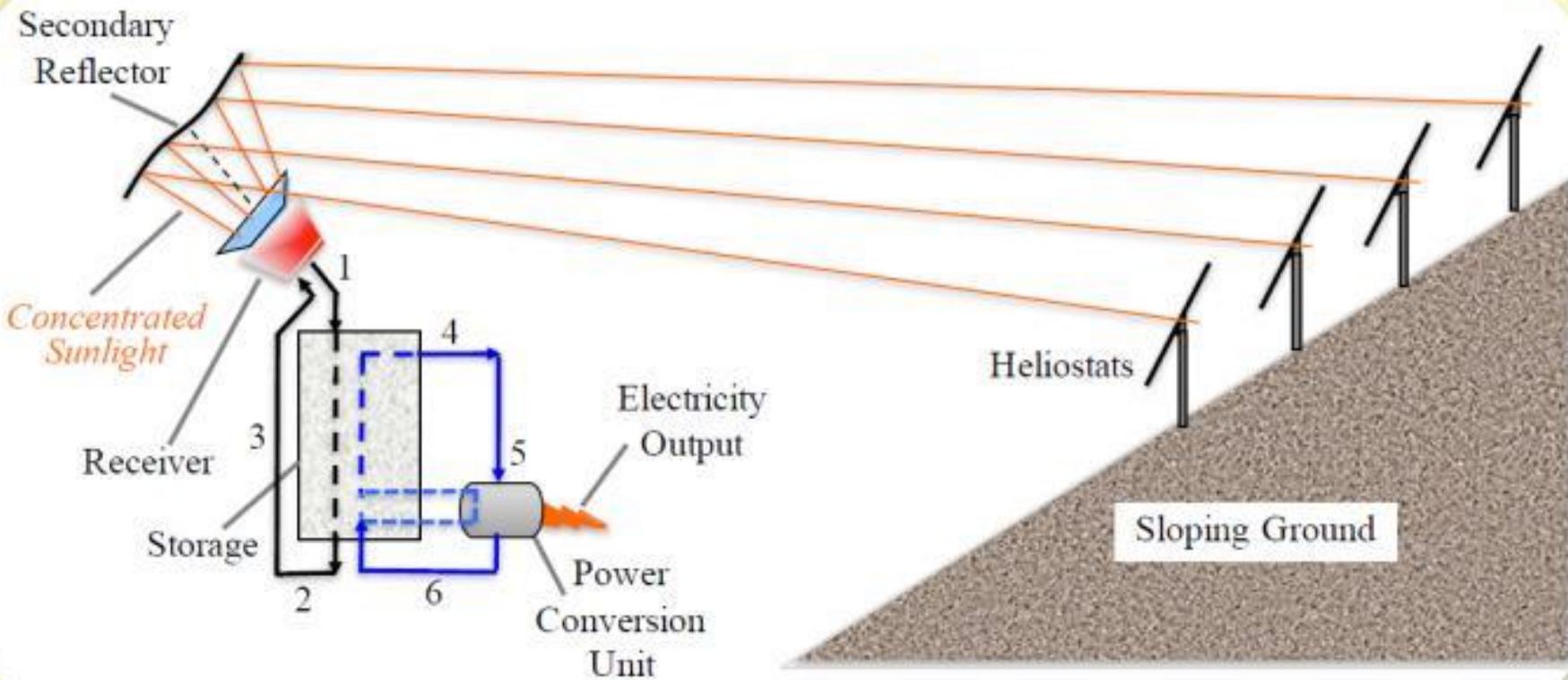
Dissociation of CO₂ using concentrated solar energy



Courtesy of NewCO2Fuels (NCF) and the Weizmann Institute of Science

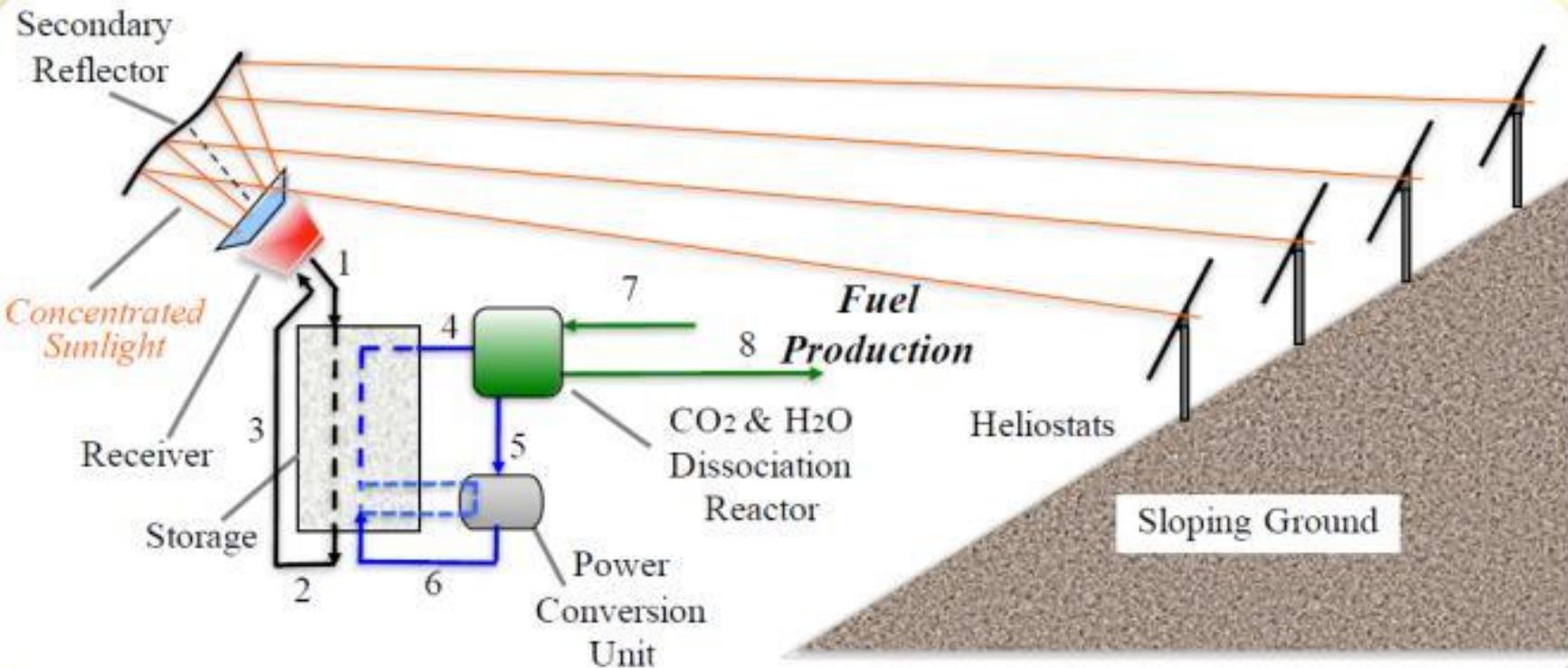


System Configuration Solar Power Generation



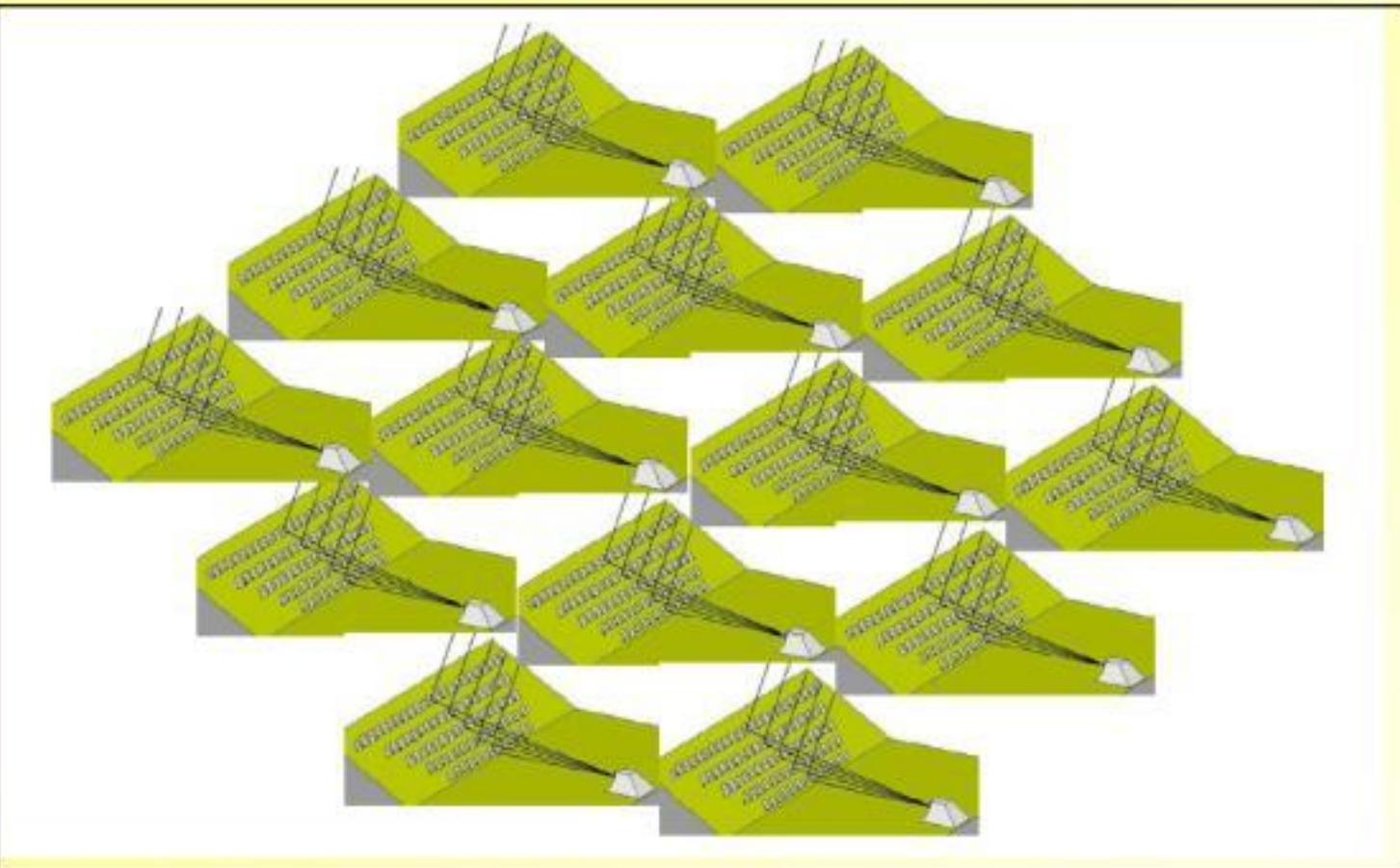


System Configuration Fuel Production





Large Scale, Modular Design



- Our Design: Relatively small (~10-15 MWt), high-efficiency module.
- Increase system efficiency translates to smaller collection area.