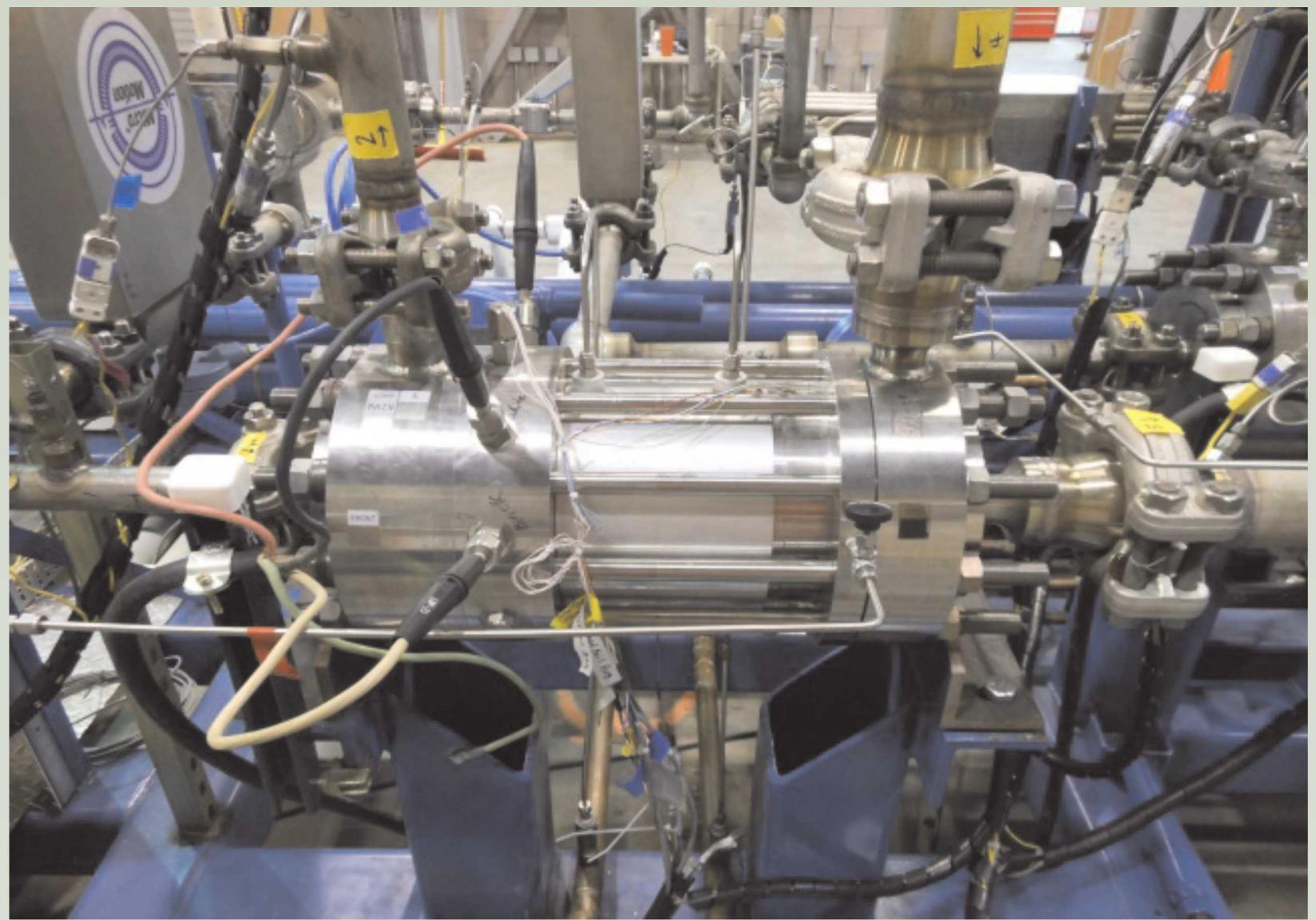


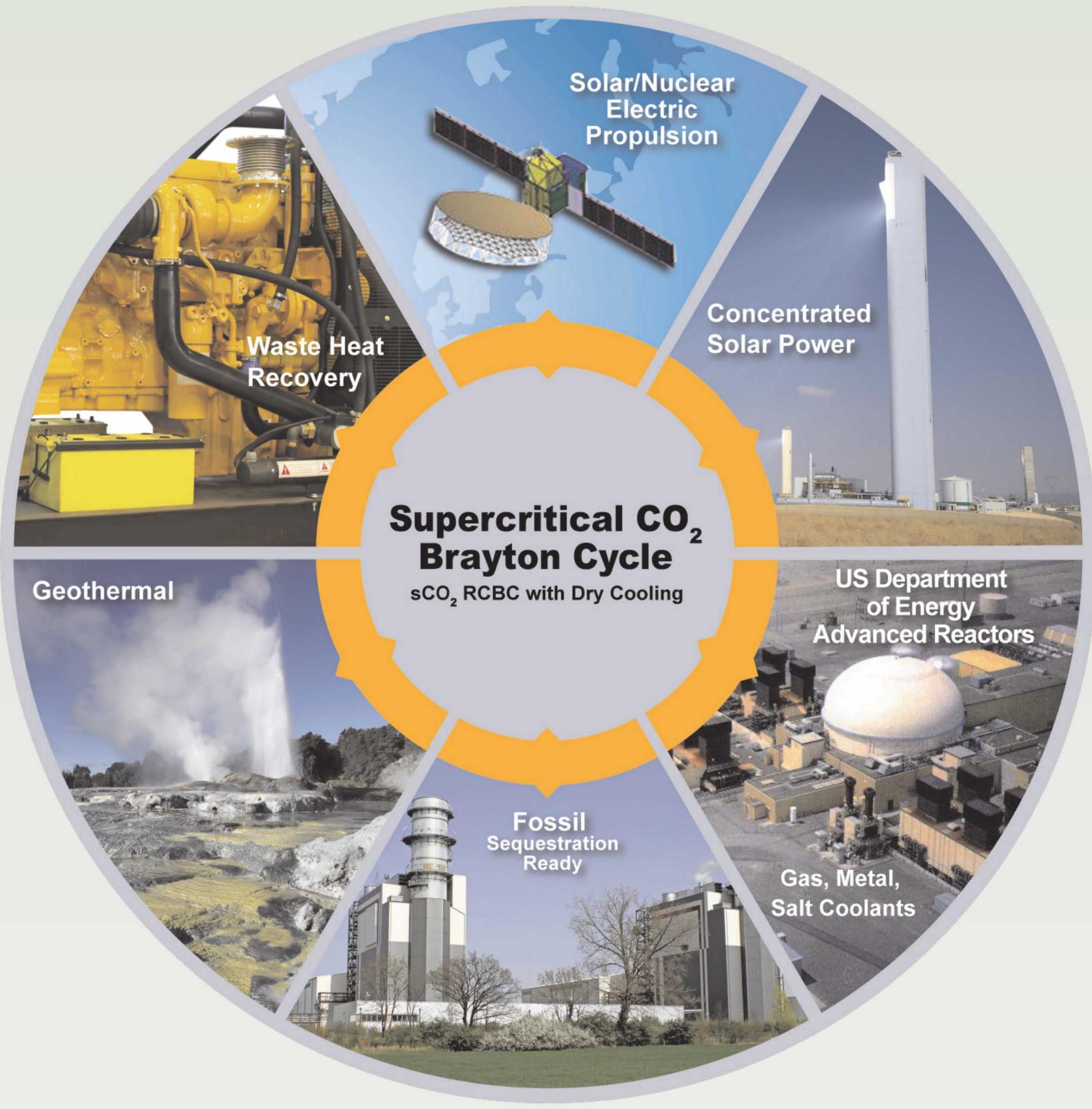
# The Supercritical CO<sub>2</sub> Brayton Cycle



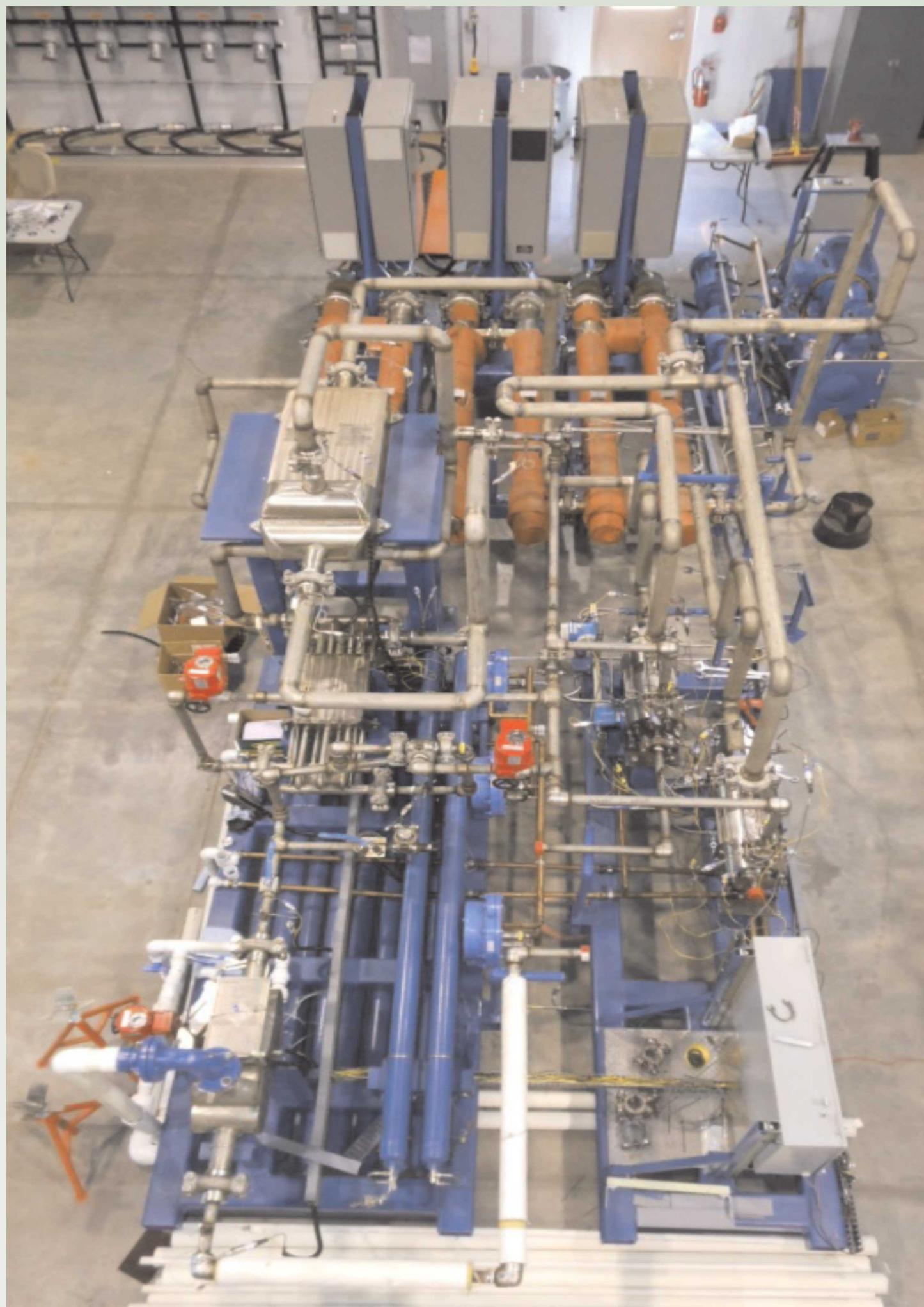
A Compact, High-Efficiency 21st  
Century Energy Conversion Technology

World's First Recompressor Closed  
Brayton Cycle (RCBC) Power Production  
Using Supercritical CO<sub>2</sub>

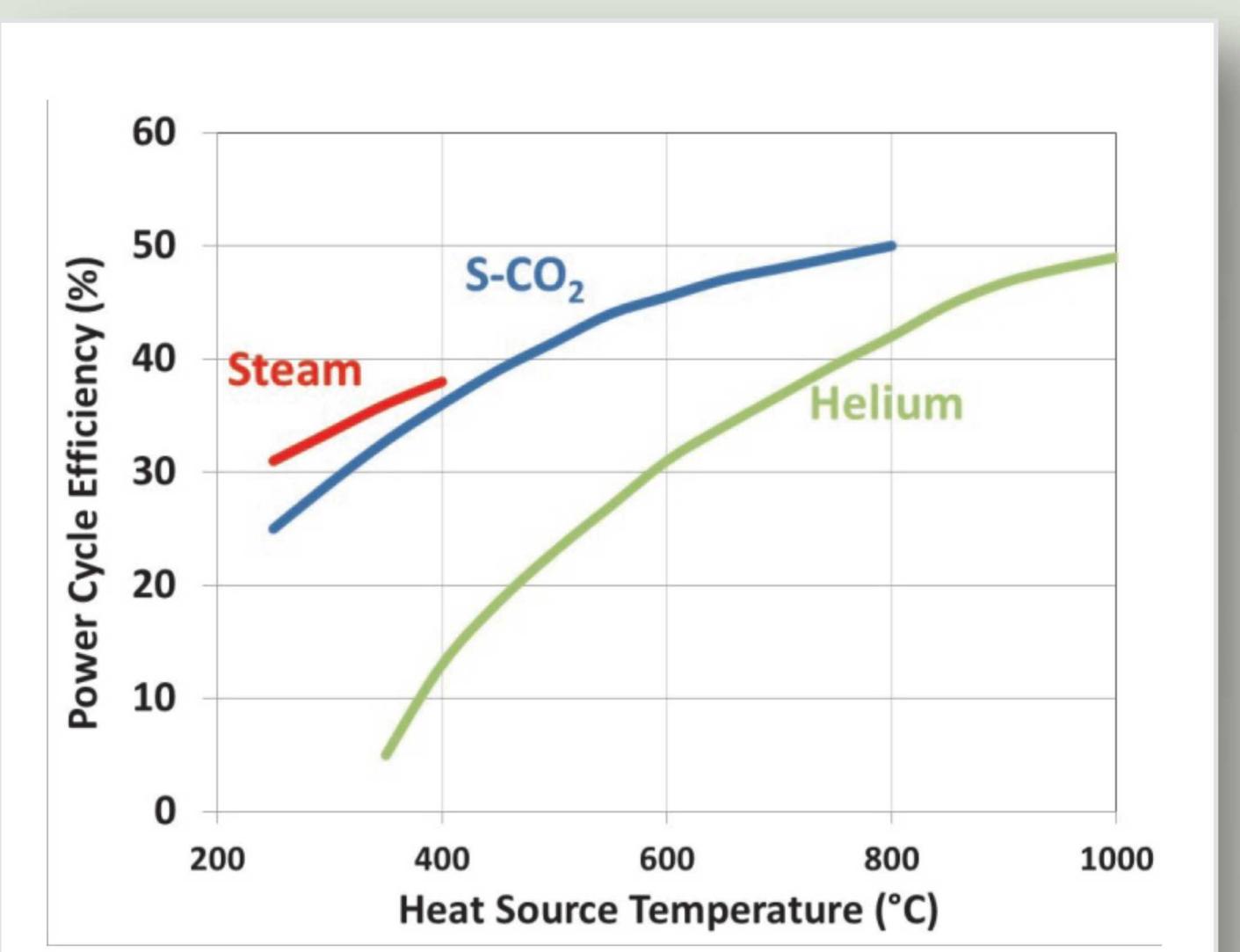
**S-CO<sub>2</sub> power technology can be used  
with any heat source**



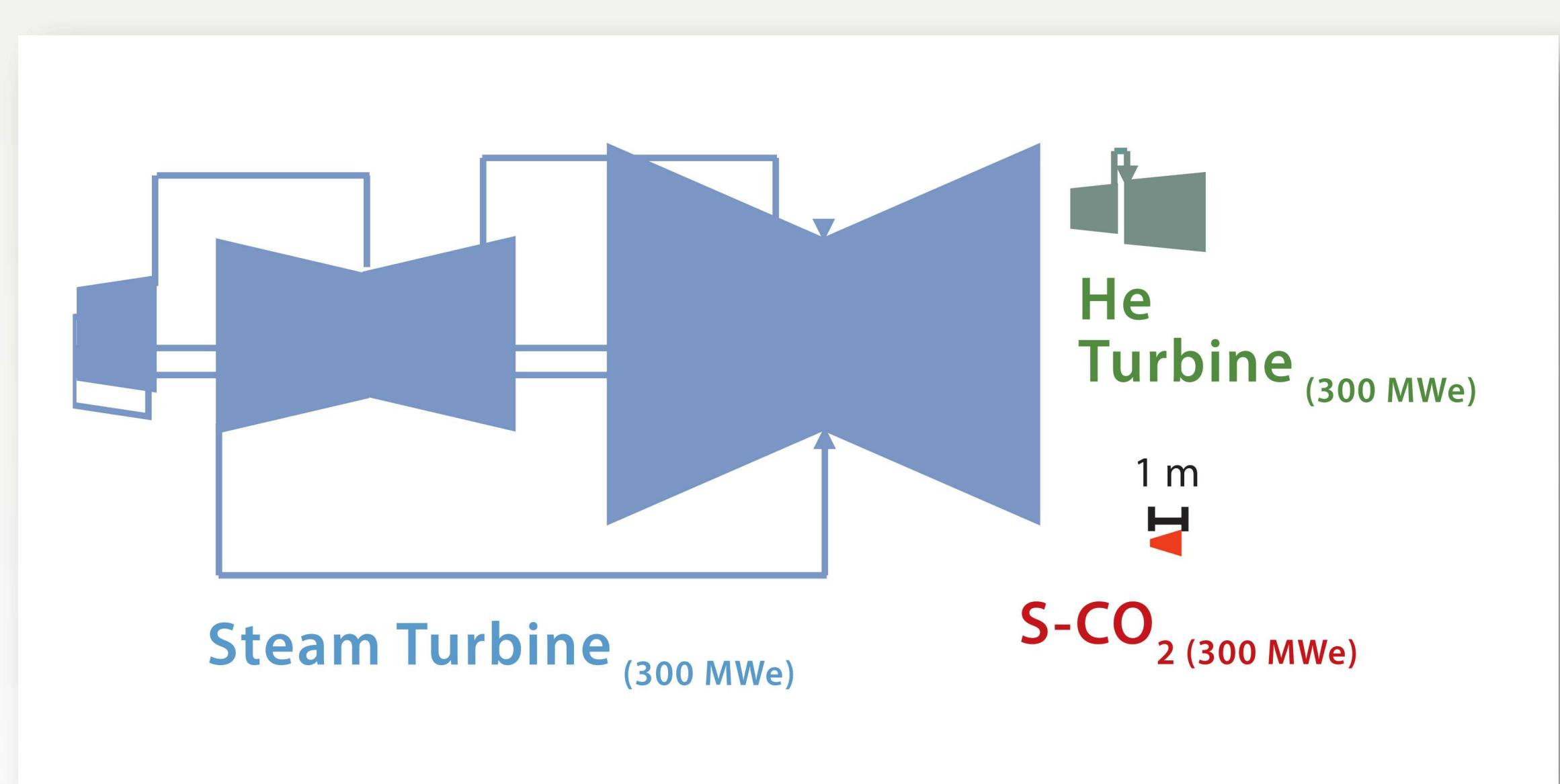
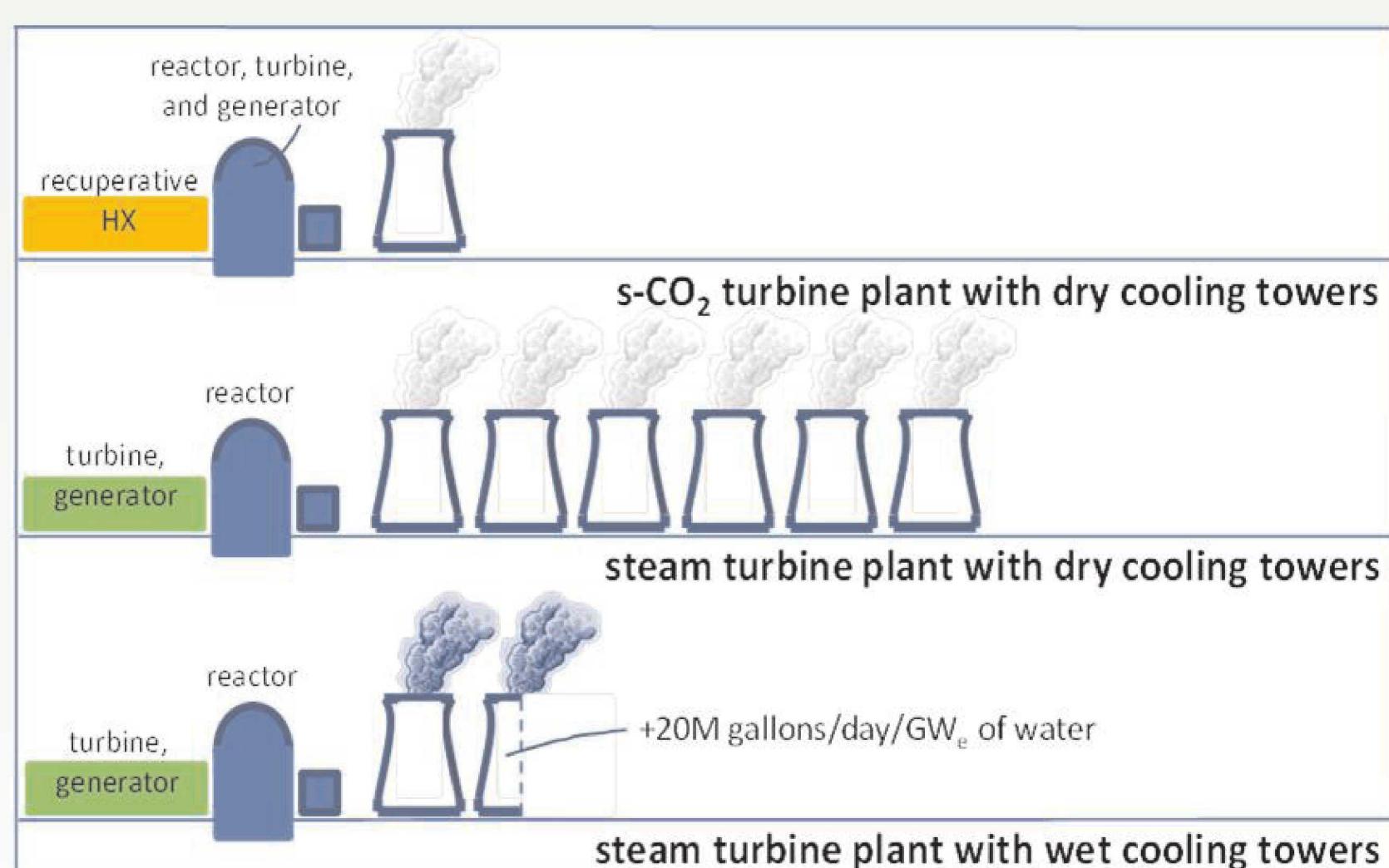
Fossil, nuclear, concentrating  
solar, geothermal, waste heat  
recovery, etc.



Cycle Efficiency as a function of  
temperature for several types of  
power conversion systems



"Artist's conception" of dry-cooled s-CO<sub>2</sub> plant  
as compared to steam



Assuming dry natural draft units, s-CO<sub>2</sub> may be competitive  
with wet-cooled steam plants. Plus higher thermal efficiency