

# Advanced Nuclear Energy Programs

Division 6000 | Group 6220

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

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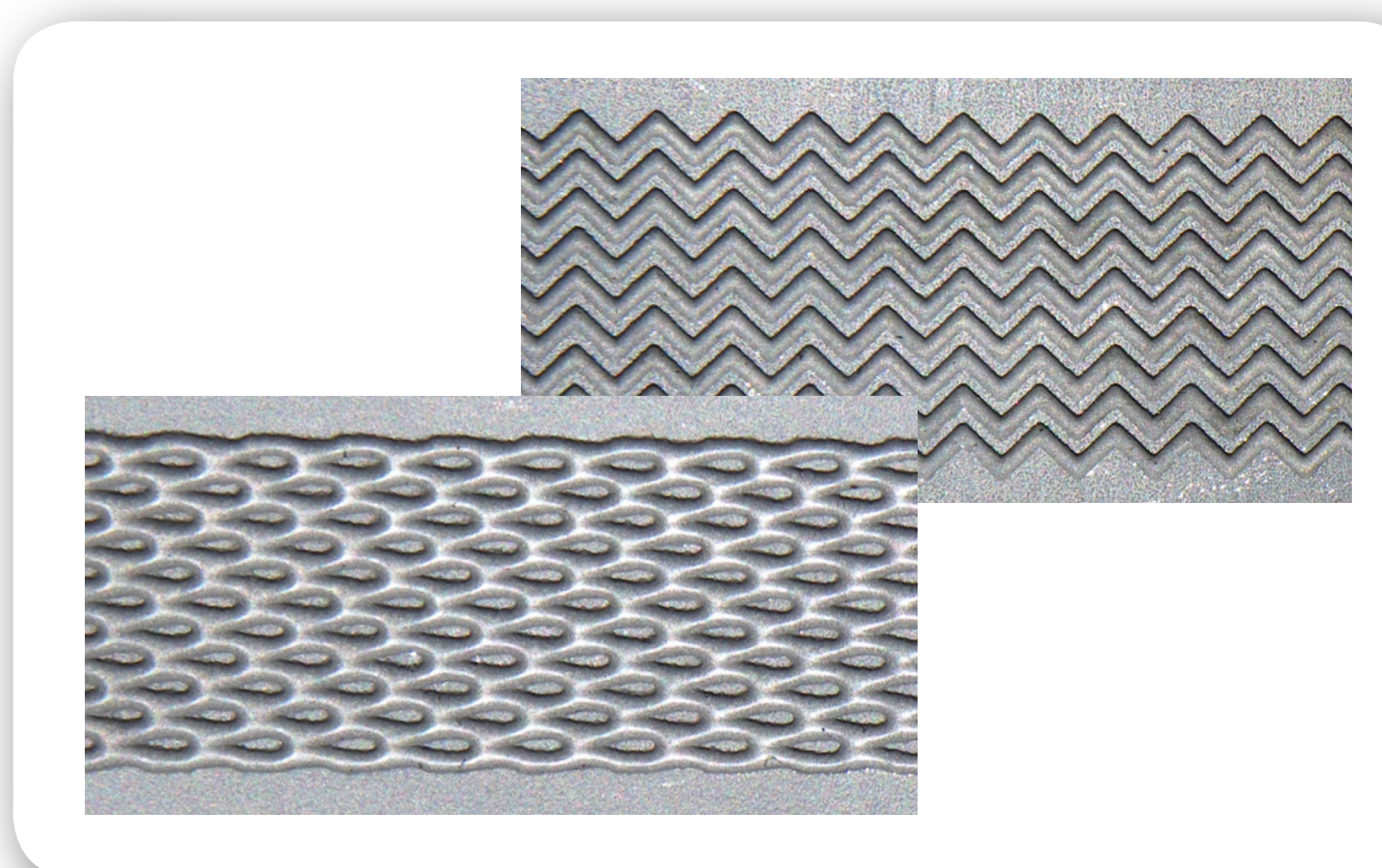
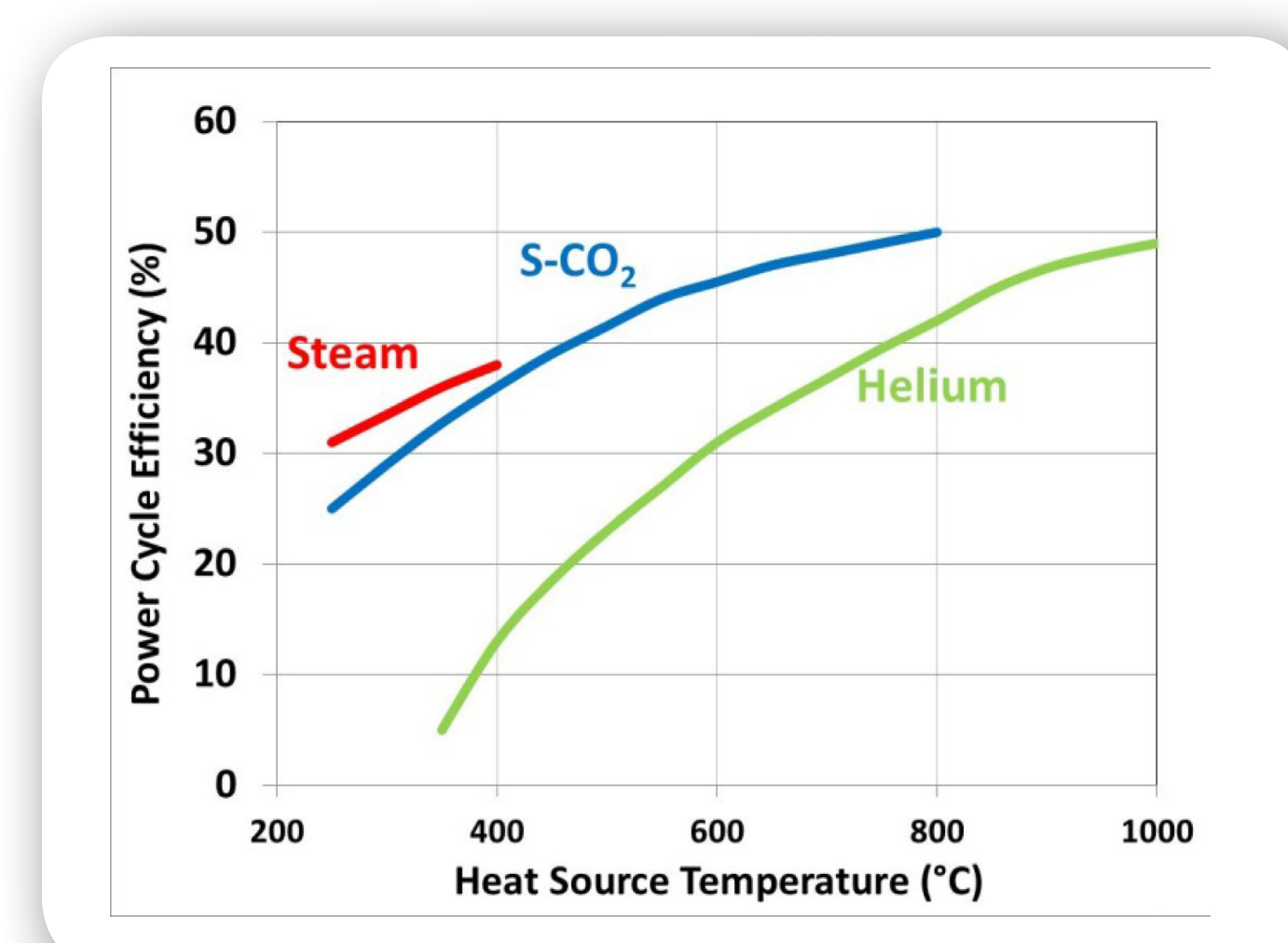
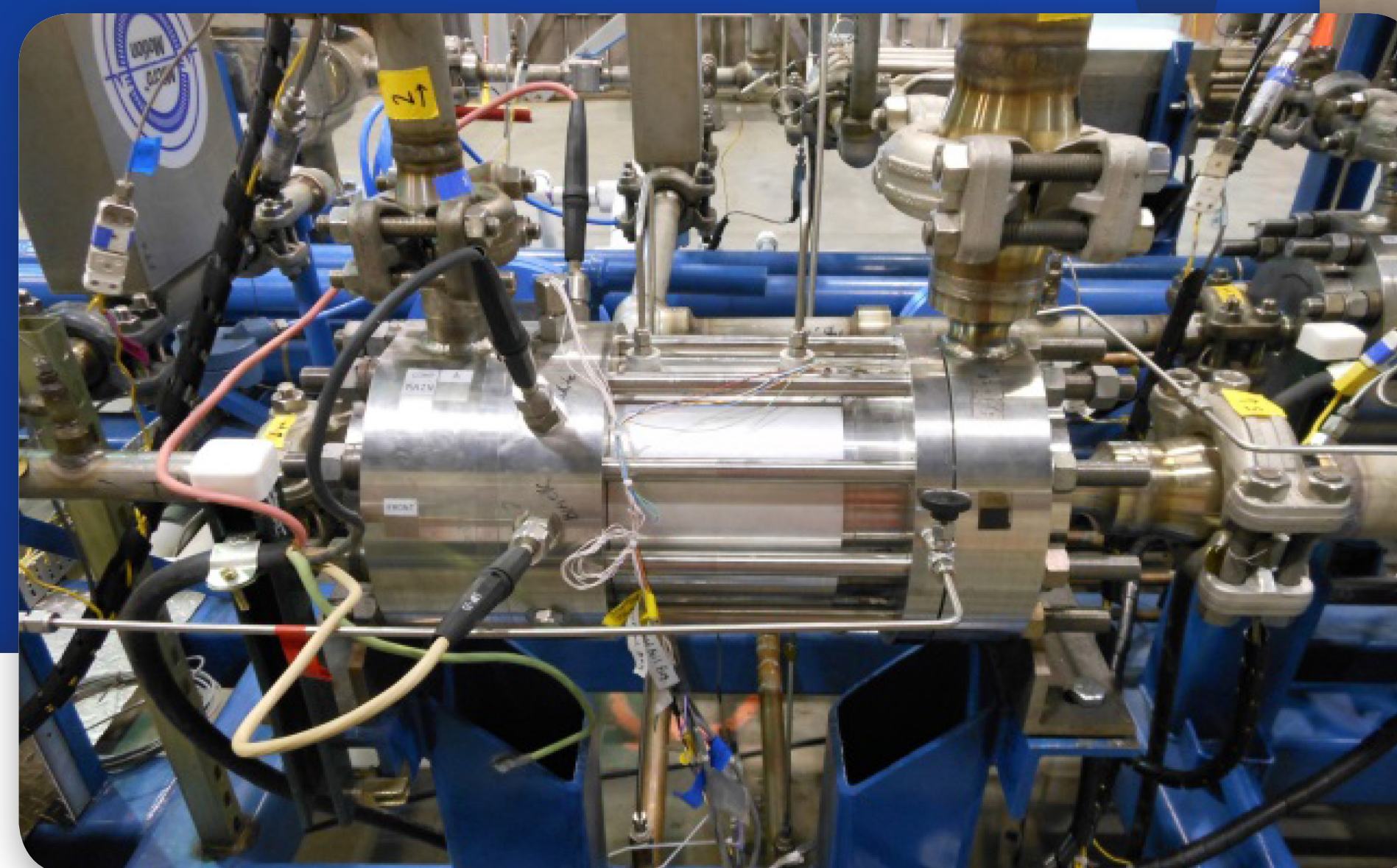
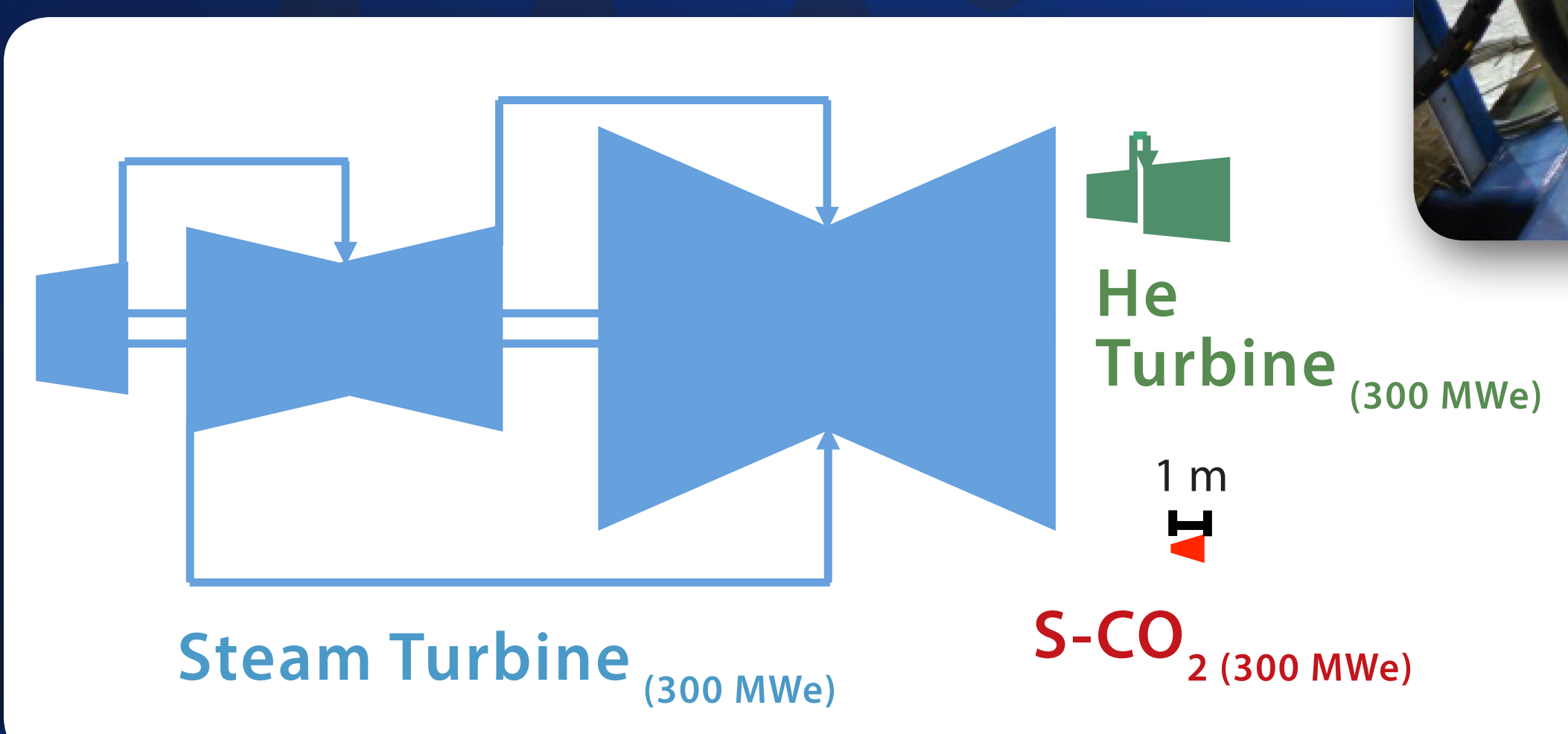
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## A Compact, High-Efficiency 21<sup>st</sup> Century Energy Conversion Technology

**World's First** ▶  
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.



From LDRD to commercialization in seven years, with DOE-NE support