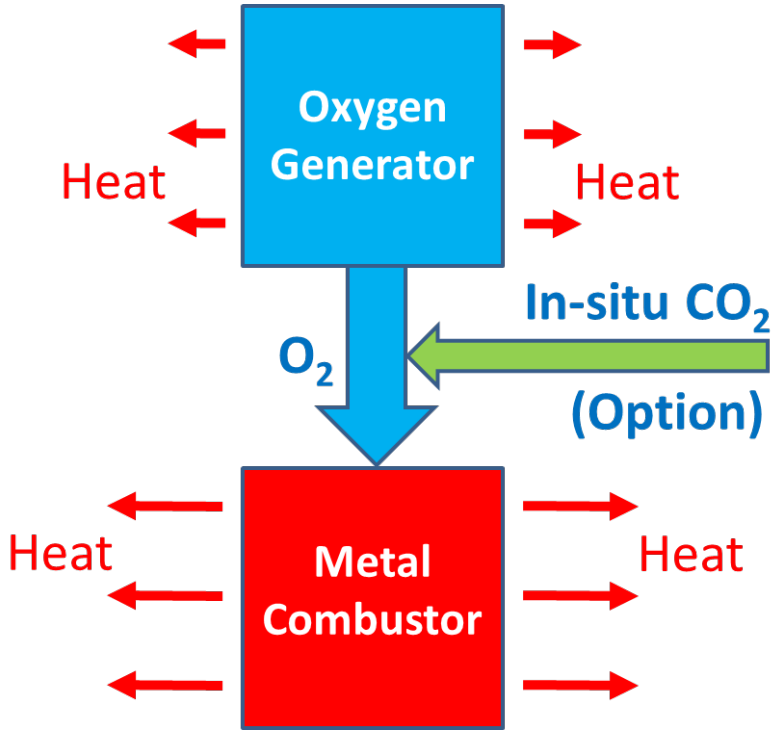
# Combustion of Lithium and Magnesium Powders for Space Power Applications

S. Cordova, K. Estala-Rodriguez, and E. Shafirovich

*The University of Texas at El Paso*

- For space missions with no solar or nuclear power
- Fixed-bed combustor of a metal powder (Li or Mg)
- Oxidizer
  - $O_2$ supplied by a chemical oxygen generator
  - *In situ* $CO_2$ (Mars and Venus)
- Advantages over batteries
  - High specific energy
  - Unlimited storage time

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