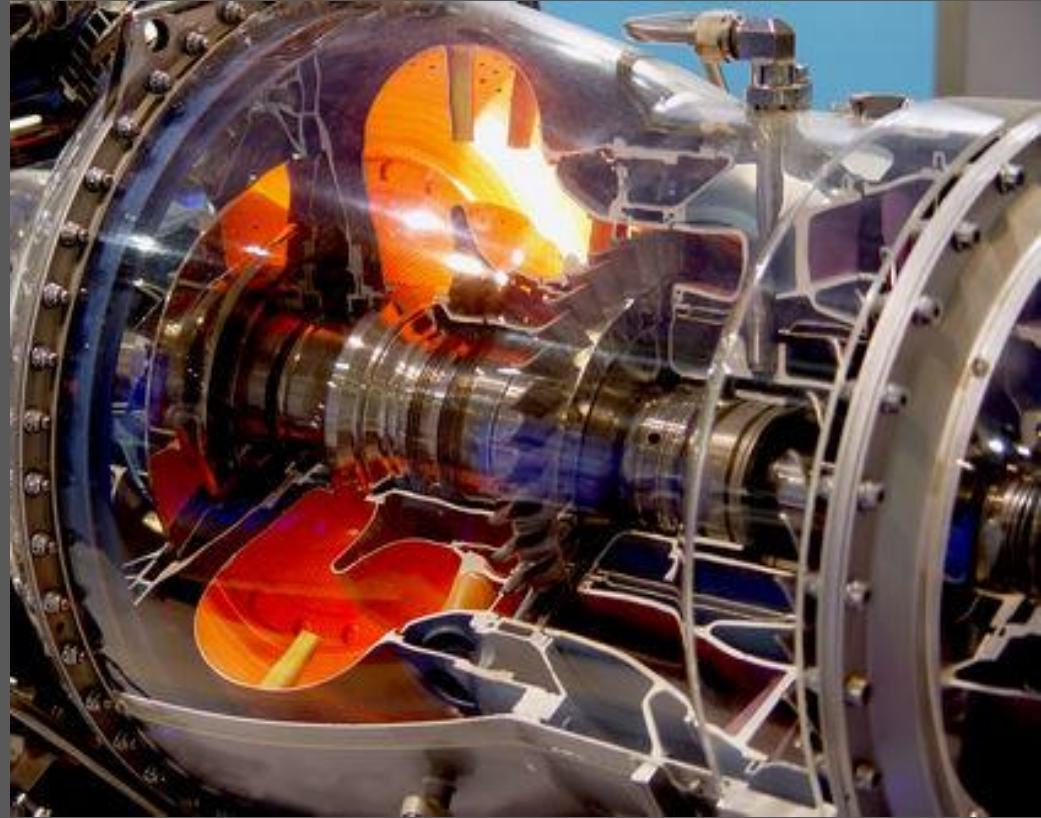


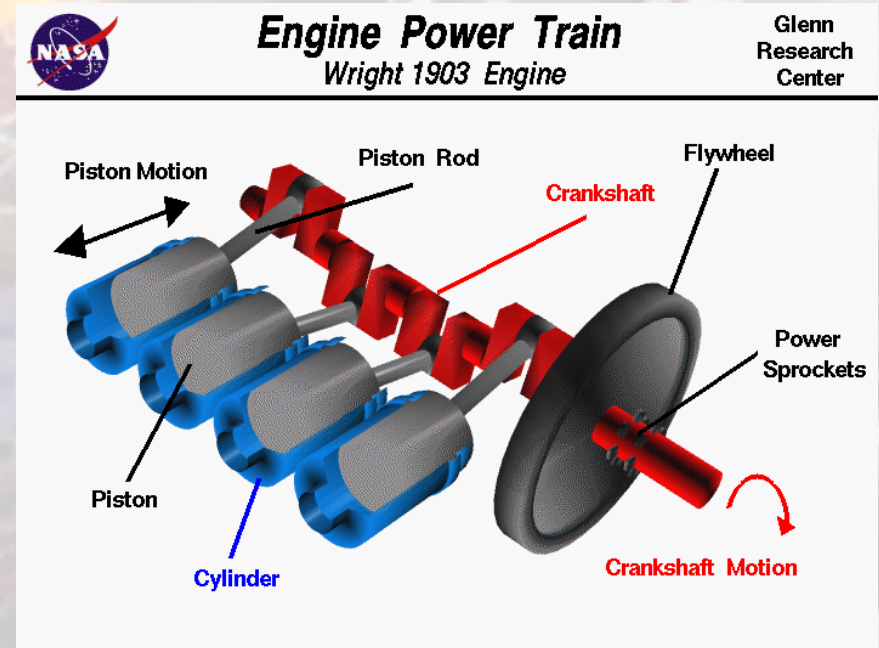
# *Internal Combustion Engine of an Aircraft*



Alexandre Dinh, Reuben Ghosh,  
Abdul Rehman, Garuba Bomi

# MECHANICAL OPERATION

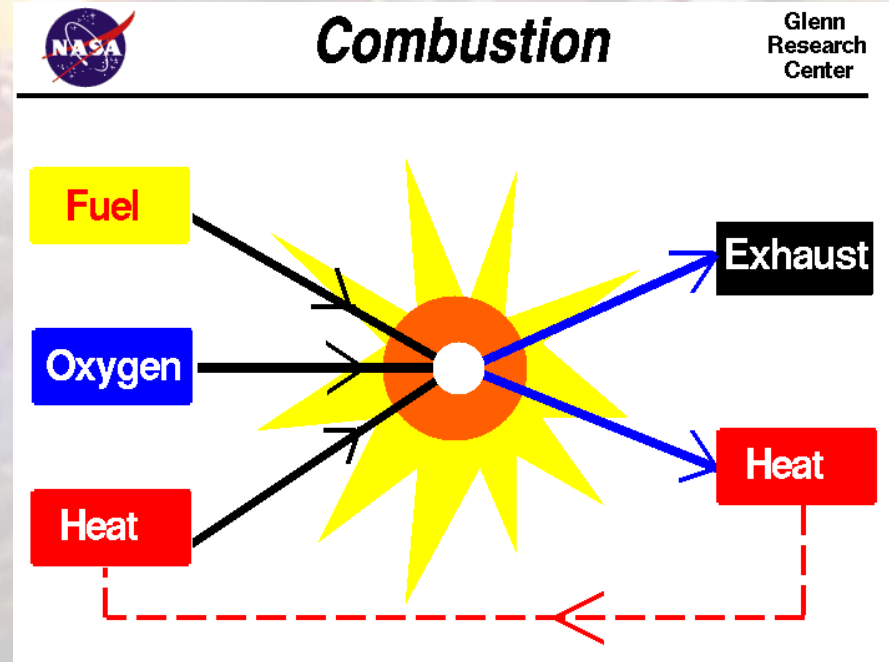
- How does mechanical operation work in an Internal Combustion Engine?
  - Propeller
- How does the crank mechanism in an Internal Combustion Engine work?
  - Torque



<https://www.grc.nasa.gov/www/k-12/airplane/power.html>

# COMBUSTION

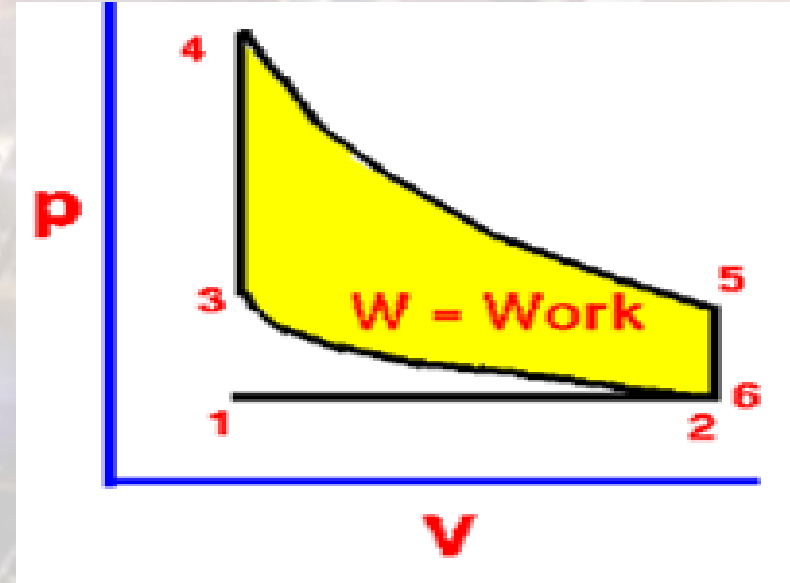
- What is combustion and what are its products?
  - Chemical Reaction
- Which pollutants are produced and does an engine reduce their emissions?
  - Catalytic Converters



<https://www.grc.nasa.gov/WWW/k-12/airplane/combst1.html>

# EFFICIENCY

- How to improve the fuel efficiency?
  - Thermodynamics
- What are the factors affecting the efficiency of internal combustion engine?
  - Conservation of Energy



<https://wright.nasa.gov/airplane/ottoa.html>



# NOISE

- What are the ways to reduce noise pollution by ICE?
  - Frequency
- What is the sonic boom phenomenon and its effects of the aircraft pilot and passengers( if its a commercial aircraft)?
  - Pressure



<https://goo.gl/images/a8JoSK>