

# Carbon Capture Technologies

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*Paul Grimmer – President  
Eltron Research & Development Inc.*

**Colorado Clean Energy Solutions Series:  
Carbon Capture Roundtable & Symposium  
Colorado School of Mines  
1 Oct 2009**

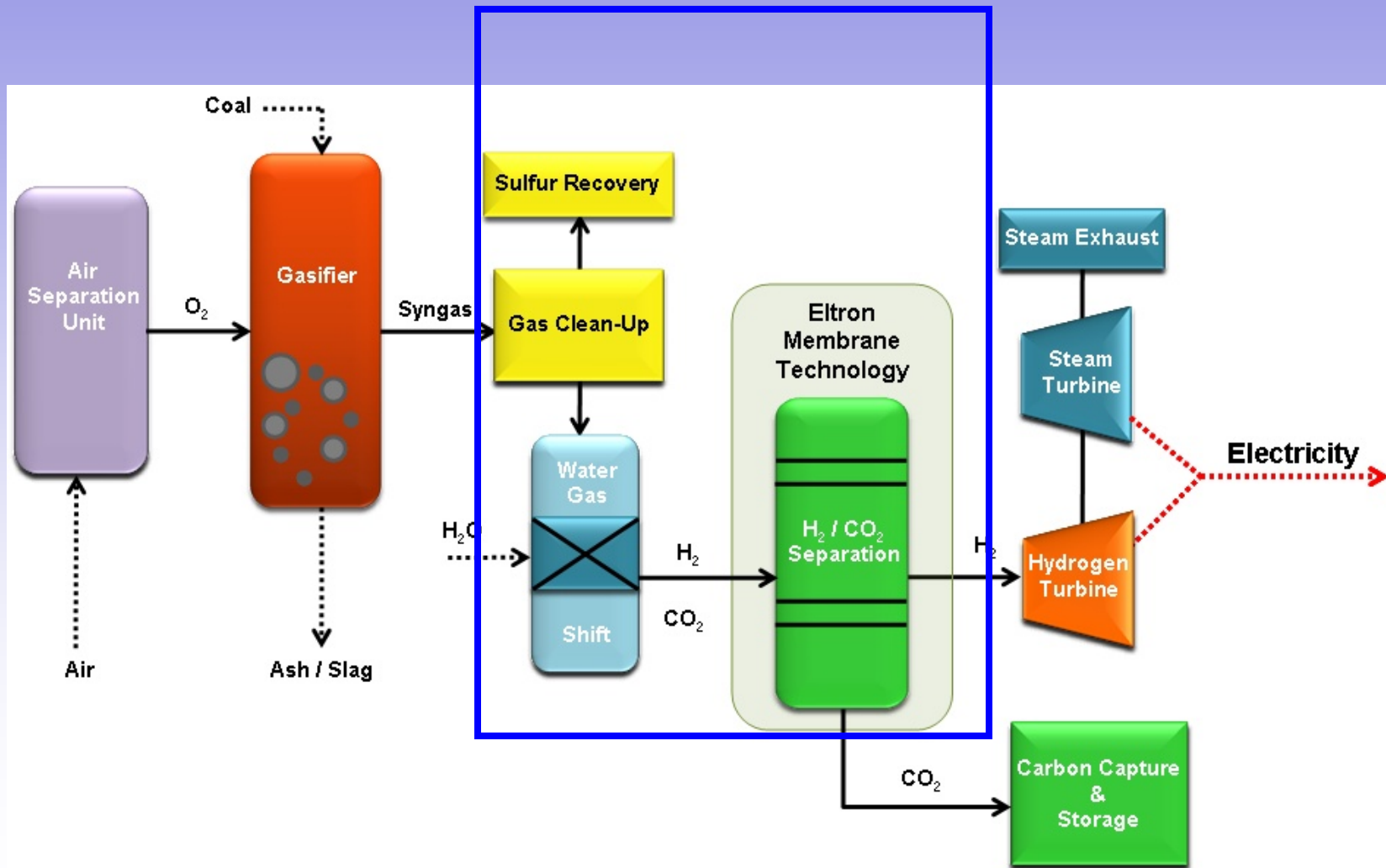
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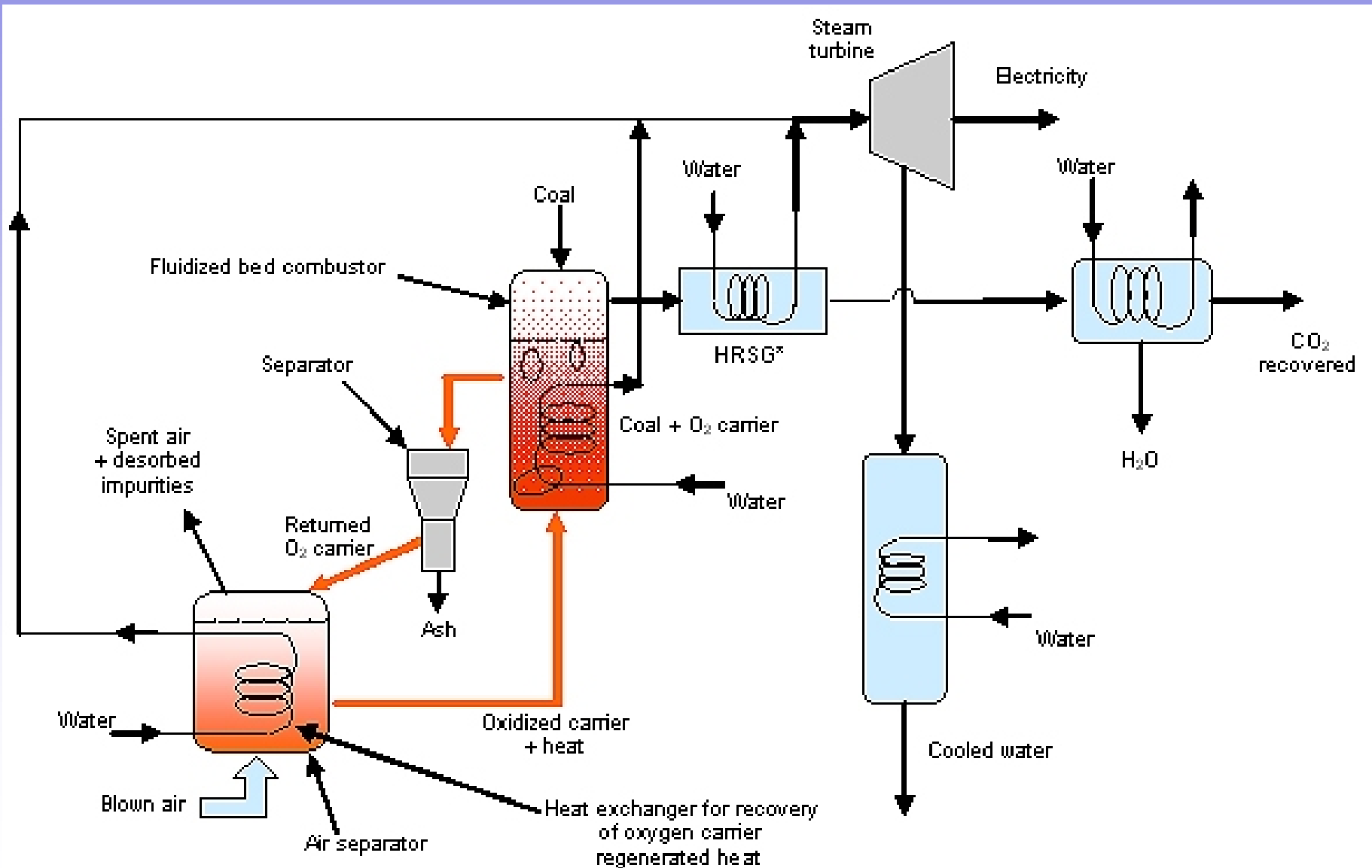
- Eltron Research & Development Inc.
  - Founded 1982 in Chicago, Boulder-based since '92
  - 50 employees, 21 PhD's
  - 60 patents (25 licensed)
  - Eltron Water Systems LLC
    - Commercialization of water purification technologies
  - Continental Technologies LLC
    - Design and fabrication of engineered systems and pilot plants
- Eltron Areas of Expertise
  - Air and Water Purification
  - Chemicals & Chemical Processing
  - Materials & Catalysts
  - Energy: Fuels, Fuel Reforming, Membranes



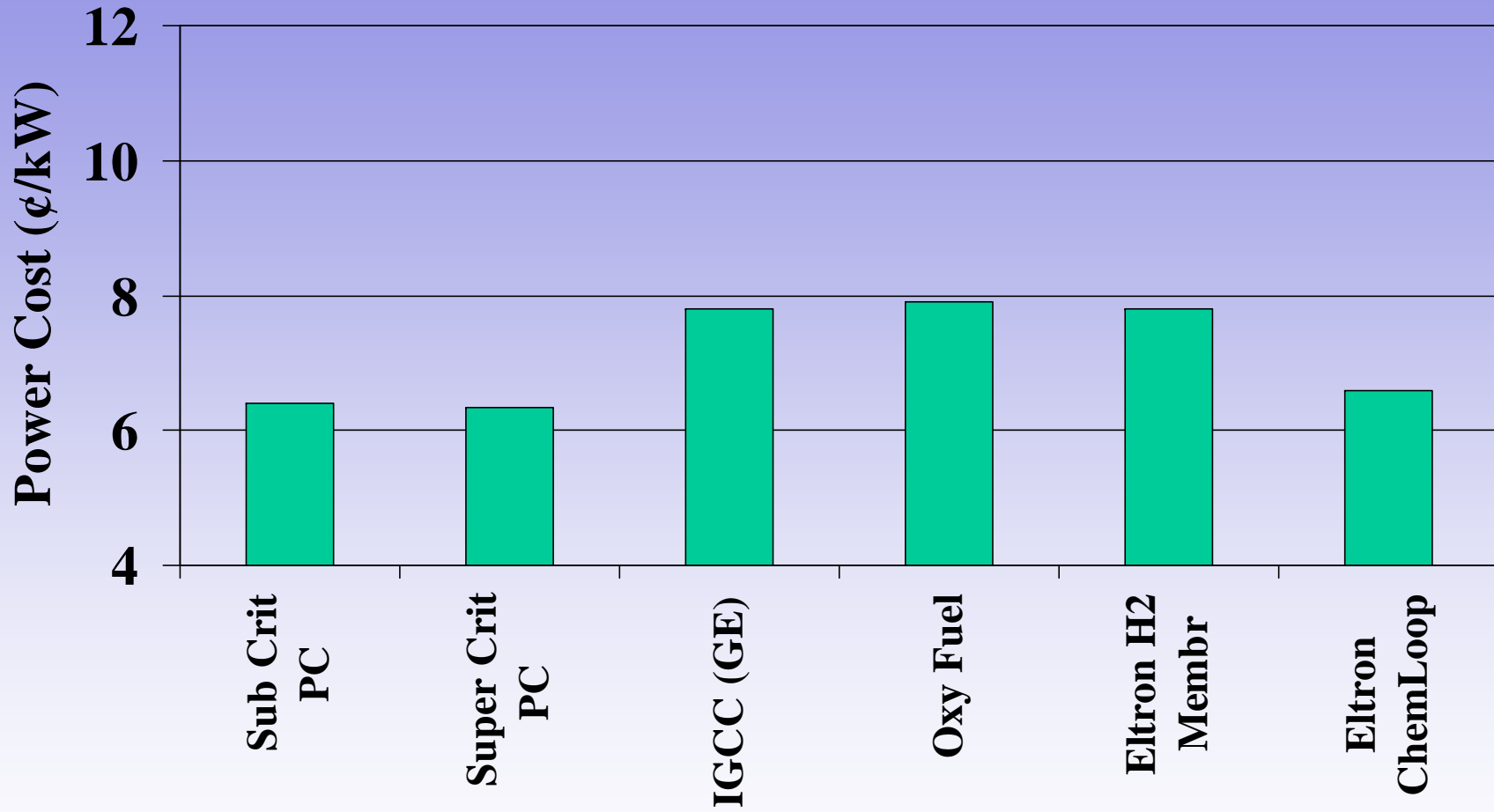
# Integrated Gas Combined Cycle (IGCC) w/ CO<sub>2</sub> Capture



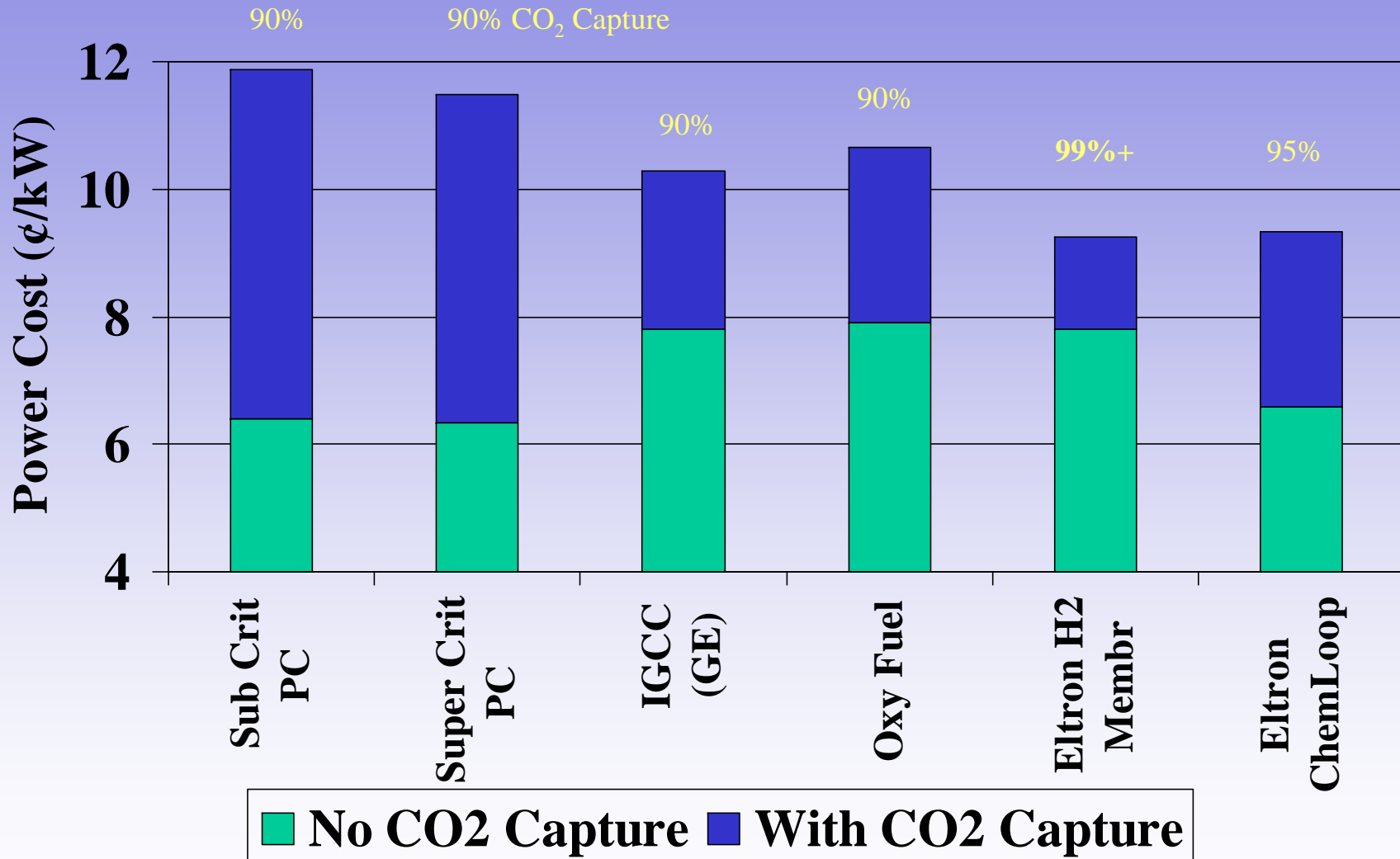
# Chemical Looping Combustion (CLC)



# Coal-Fired Power Generation Costs



# Coal-Fired Power Generation Costs



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