

EST. 2001



JUPITER OXYGEN CORPORATION

## Technology in Action

Jupiter's Oxy-Fuel Technology Development

UNFCCC, December 2005

Montréal, Canada

# Jupiter's Oxy-Fuel Technology Development

---

A sustainable energy solution that meets the demands of today and our future generations

---



**Canada's Environmental Technology Certification Program**  
— Enhancing the credibility of environmental technologies.

## Oxy-Fuel Combustion Development in Industrial Furnaces

---

- **Significant Fuel Savings**
- **Carbon and NO<sub>x</sub> Reduction at Combustion**
- **Commercially Operated since 1997**
- **Patented Technology**



## Oxy-Fuel Combustion Technology Transfers to Other Uses

---

- **Steam Generation**
- **Cement Manufacturing**
- **Waste Destruction**



# Clean Coal Power Plants

---

## Environmental Results:

- **95%+ Capture of CO<sub>2</sub>**
- **99%+ Removal of Particulate in PM 2.5**
- **99%+ SO<sub>x</sub> Removal**
- **90%+ Mercury Capture**
- **NO<sub>x</sub> after Combustion of .05 lbs./ MMBtu**

## Jupiter Oxygen (USA)

---

- **Proving the viability of CO<sub>2</sub> reduction technologies since 1997**
- **Pioneer in the application and operation of steam generating boilers using Oxy Fuel combustion**
- **Successful Capture of CO<sub>2</sub> from Coal combustion**
- **Solutions for real CO<sub>2</sub> reduction today**



# JUPITER OXYGEN CORPORATION

MAKING ENERGY MORE EFFICIENT ◦ [WWW.JUPITEROXYGEN.COM](http://WWW.JUPITEROXYGEN.COM)

Visionary Innovation | Scientific Approach | Operational Experience



WEB: [www.jupiteroxygen.com](http://www.jupiteroxygen.com)

PHONE: 847 928 5930

FAX: 847 928 0795

---

## HEADQUARTERS

4825 N Scott St Suite 200

Schiller Park, IL 60176 USA

---

## RESEARCH FACILITY

1745 - 165TH Street

Hammond, IN 46320 USA

Patented in the US and other countries worldwide.