



CHINALCO & CHALCO: Green Growth in Harmony with the Environment

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BMC_30



Green Growth between Business & Environment



(CHINALCO-SWA site)



(CHALCO Guangxi Branch site)



An Ecological Aluminium Presence: Resource-saving, Environmentally-friendly





Friendly Clean Aluminium

Interesting Chinese Characters

- ❖ **Aluminum Corporation of China**
- ❖ 中国铝业公司
- ❖ 铝: **Aluminium**
- ❖ 铝 → 钅 + 吕
- ❖ 友清: **Friend of Cleanliness**



Overview of Chinalco



☞ **Currently, we are the world's second largest alumina producer and the fourth largest aluminium producer**

☞ **29 wholly-owned and holding enterprises**



Rapid Growth

2001—2006年资产总额

Total Assets 2001-2006



2001—2006年营业收入

Operating Income 2001-2006



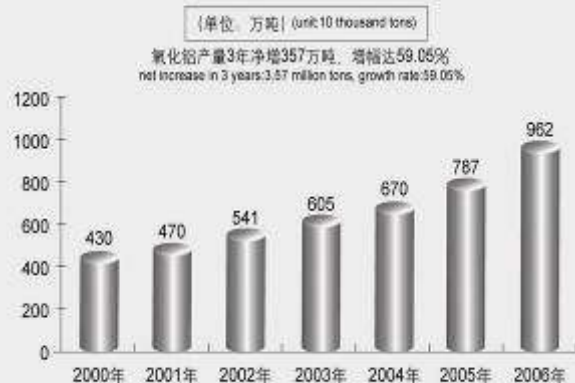
2001—2006年实现利润对比图

2001-2006 Profits Comparison



中国铝业公司氧化铝产量图

CHINALCO Alumina Production



中国铝业公司电解铝产量图

CHINALCO Electrolytic Aluminum Production



中国铝业公司加工材产量图

CHINALCO Output of Fabricated Aluminum Products





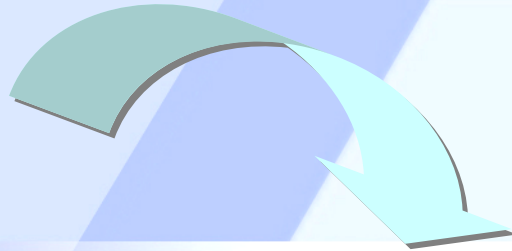
Highlights of 2006

- ❑ **Production: alumina -9.62 mt;**
AL ingot -2.97 mt; fabricated products -0.56 mt
- ❑ **Sales revenue: US\$ 13.51 billion**
- ❑ **Taxable revenue: US\$ 3.94 million**
- ❑ **Pre-tax profit: US\$ 2.88**
- ❑ **Assets: US\$ 23.04 billion**
- ❑ **Copper, molybdenum, titanium, etc.**

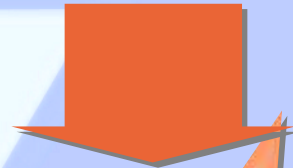


Green Growth

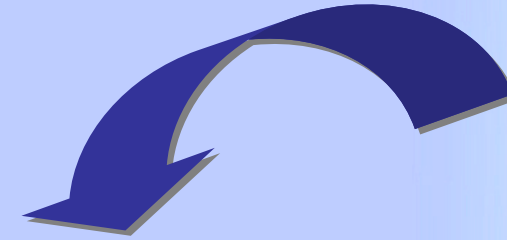
Conserving
resources



Saving
energy



Reducing
discharge
& emissions

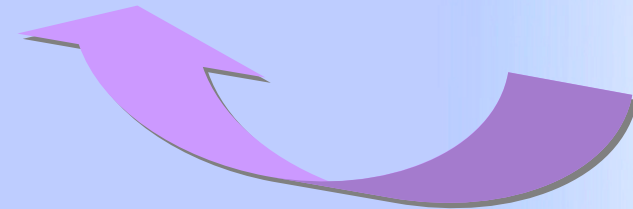


**GREEN
GROWTH**

Contributing
to Society



Protecting the
ecology



Safeguarding
health and safety
for employees





Conserving Resources

Protective and Lean Mining



➤ “Ore-dressing bayer process”

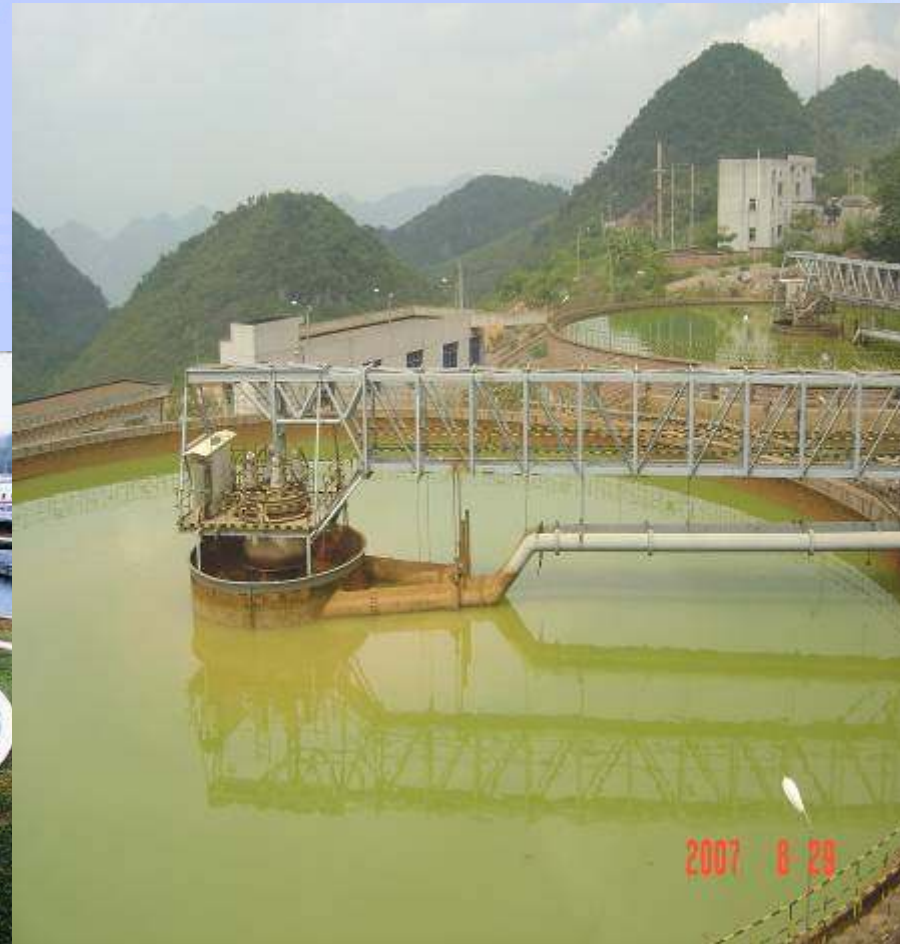




Conserving Resources

Industrial Water Recycling

- ♻️ Zero industry water discharge
- ♻️ Less water consumption





Conserving Resources

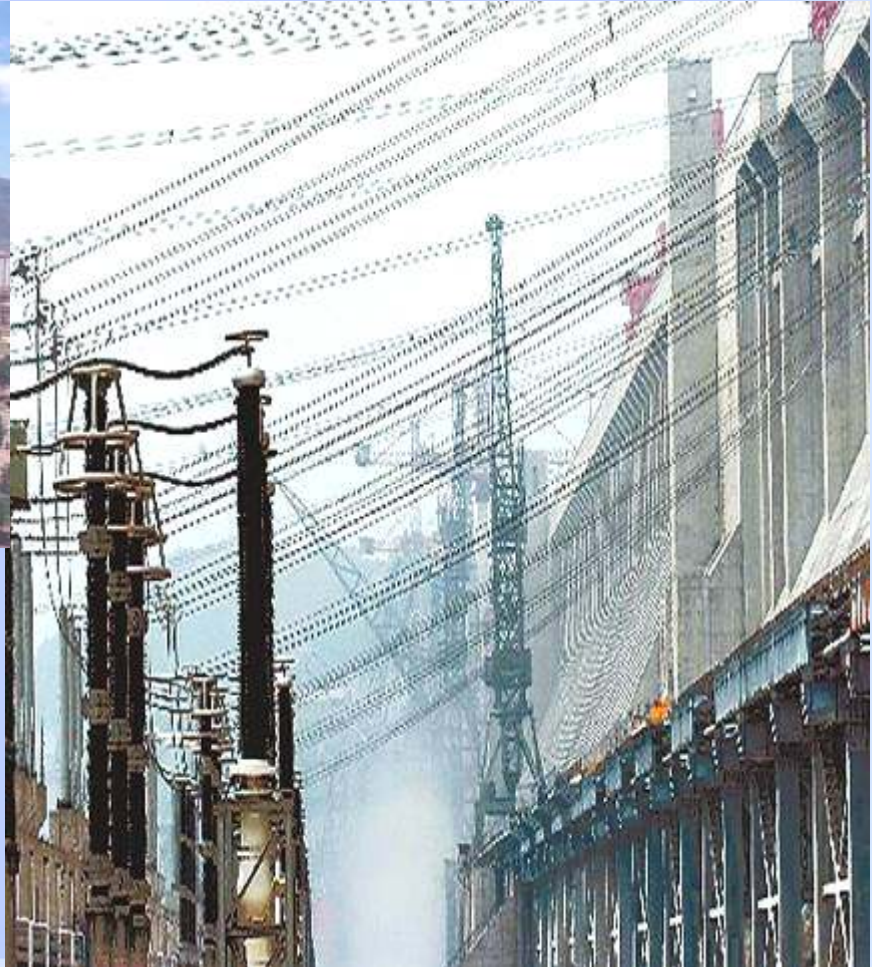
Recovering Useful Substances from Wastes



- ✦ Gallium & scandium
- ✦ Cement and insulation material
- ✦ Sulphuric acid
- ✦ Secondary aluminium



Saving Energy



- ⌘ “Reinforced sintering process”
- ⌘ “Lime bayer process”



Reducing Discharge & Emissions



- ★ Soderberg operations phased out
- ★ Clean production





Protecting the Ecology



- ❏ **Combination of mining and rehabilitation**
- ❏ **670 hectares rehabilitated**



Protecting the Ecology

Rehabilitated Lands





Protecting the Ecology





Safeguarding Health & Safety for Employees



✧ Occupational health and safety liability paper

✧ Job exposure appraisal



Contributing to Society



❁ One of “China’s Most Responsible Enterprises”





Proven Methods & Measures





Joining Hands at Aurukun



Thank You!

