

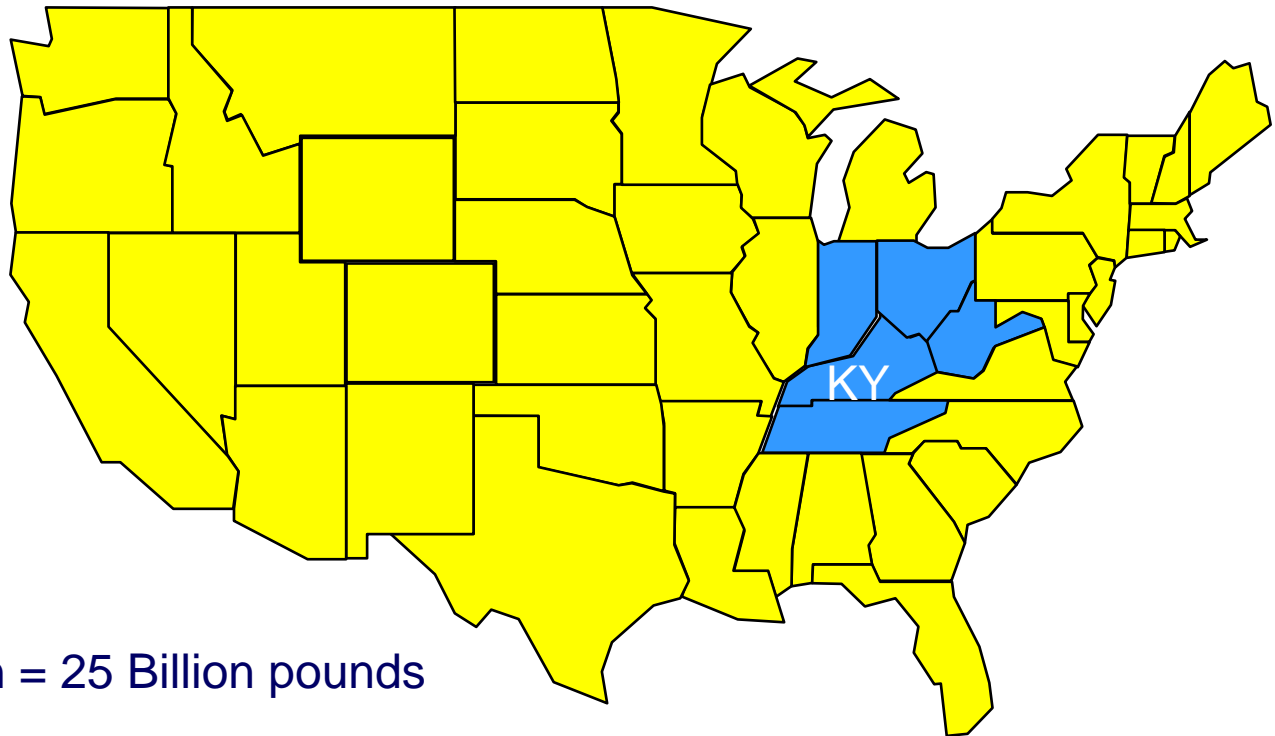


Aluminum and Automotive Industries in Kentucky





U.S. Aluminum Industry



Annual Production = 25 Billion pounds

Annual Shipment = \$25 Billion

Employment = 150,000 people

Average Salary = \$50,000

Source: Aluminum Association 2003



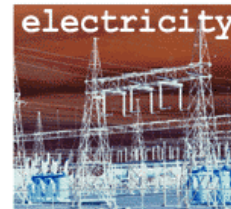


Kentucky's Economic Chain of Success

Abundant Low Sulfur Coal



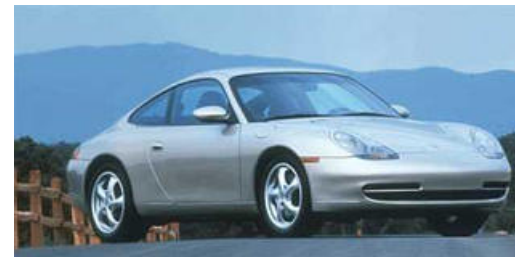
US Lowest Industrial Electric Power Rate



World's Largest Aluminum Industry



3rd Largest Automotive Production





Kentucky Aluminum Industry

Plants / Facilities ⁽¹⁾	142
Primary Industry Shipments ⁽¹⁾	\$2.7 Billion
Direct Employment ⁽¹⁾	17,514
Earnings Per Job ⁽¹⁾	\$44,876 / Yr
Payroll	\$786 Million
KY Tax Revenue	\$47 Million

Kentucky ranks as one of the top aluminum producing states. In fact, as measured by the value of shipments, Kentucky ranks as the number one state in the Primary Aluminum industry. A recent report sponsored by the Kentucky Science and Technology Corporation identified the aluminum industry as one of the four growing value chain clusters in the state. ⁽¹⁾

⁽¹⁾ Division of Research, Kentucky Cabinet for Economic Development





Kentucky Aluminum Plant Employment

Logan Aluminum (Russellville)	1,100
Louisville Scrap Metal (Louisville)	1,000
Commonwealth Industries (Lewisport/Louisville)	906
Century Aluminum of KY (Hawesville)	863
Alcan Ingot (Henderson)	670
Gibbs Die Casting (Henderson)	650
Alcoa Automotive Castings (Hawesville)	650
Cardinal Aluminum (Louisville)	525
Alcoa Packaging (Louisville)	500
Aisin Automotive Casting (London)	480





Aluminum's Economic Impact on Kentucky

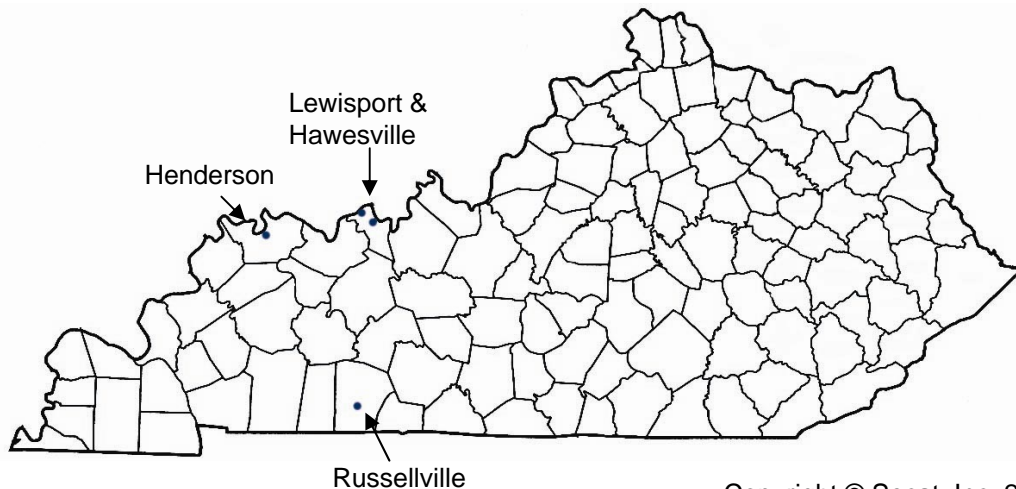
If Kentucky were a country, it would have the highest concentration and diversity of the aluminum industry in the world.

KY TOP ALUMINUM EMPLOYERS

- Logan Aluminum (1,100)
 - Russellville; Can Sheet
- Commonwealth Aluminum (906)
 - Louisville & Lewisport; Rolling
- Century Aluminum (863)
 - Hawesville; Smelting
- Alcan (670)
 - Henderson; Smelting

KY MANUFACTURING ECONOMY

- KY is 3rd largest producer of light vehicles.
- Automotive Industry - #1 in jobs (36,700 jobs/501 plants)
- Aluminum Industry - #5 in jobs (17,639 jobs/142 plants)
- Combined automotive and aluminum provided greatest economic development opportunities in KY.
- KY provides aluminum for 110 billion cans made in US per year.
- Each American consumes one aluminum can per day.



KY BEVERAGE INDUSTRY

- Logan Aluminum - 15th largest manufacturing employer
- Produces 1.3 billion pounds aluminum
- Produces 1/3 of American can sheet
- US produces 40 billion aluminum cans from Logan's Can Sheet
- 1/4 of US aluminum products consumed in beverage cans



Automotive Industry

- 2002 aluminum auto usage = 274 pounds per car
 - Casting 80%
 - Sheet 11%
 - Extrusion 7%
 - Forging 2%

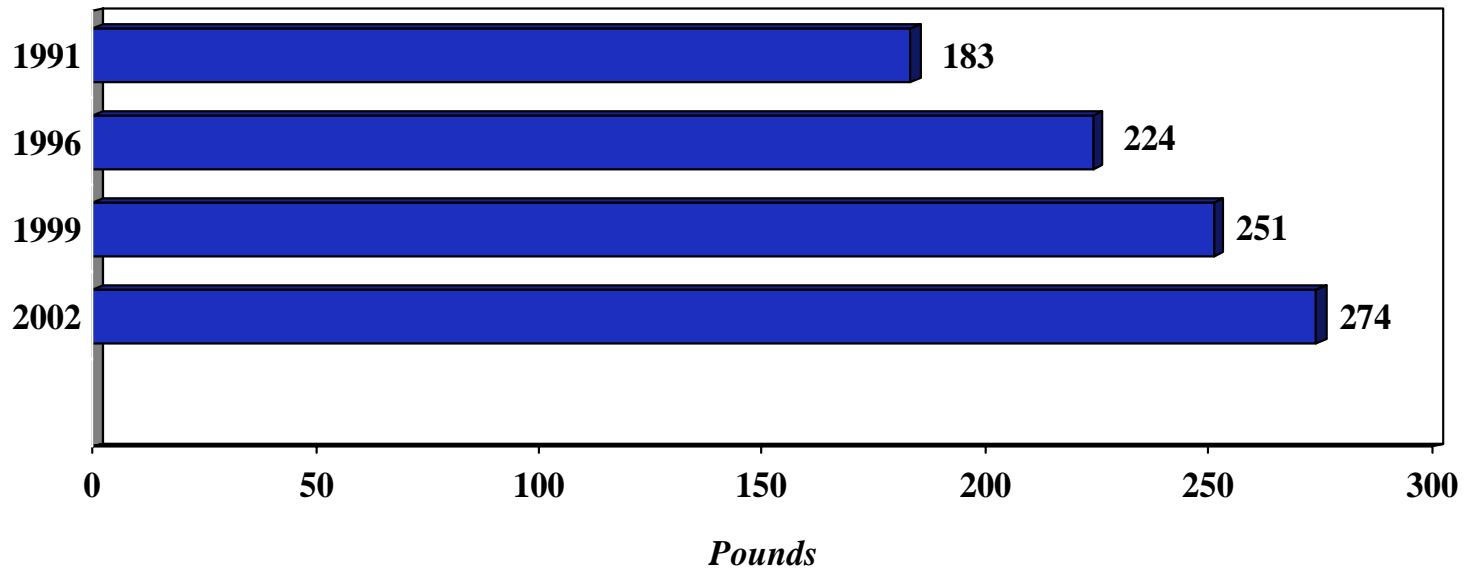




North American Light Vehicle Aluminum Content Changes

North American Total Aluminum Content

(Pounds per Vehicle)





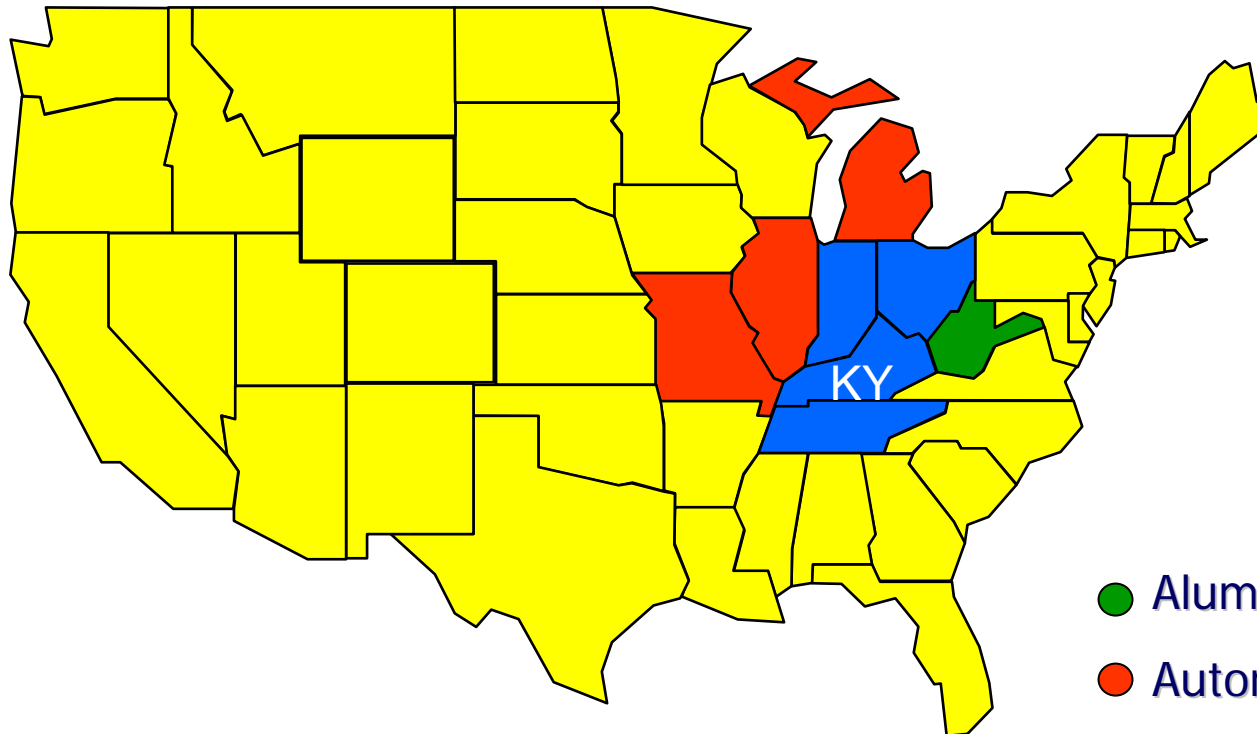
U.S. Light Vehicle Production Top States in 2000

State	Total Production
Michigan	3,109,350
Ohio	1,864,039
<i>Kentucky</i>	<i>1,247,736</i>
Missouri	1,112,230
Illinois	724,449

Source: Automotive News, January 2002

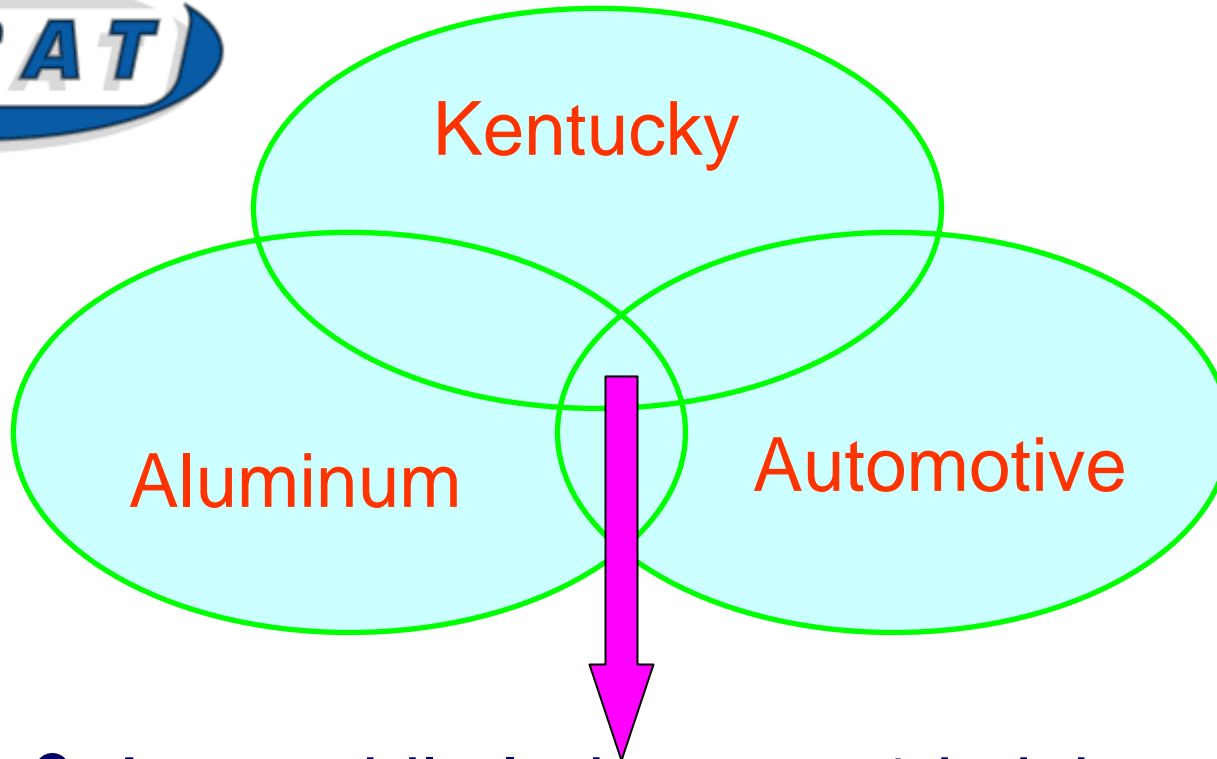


Aluminum & Automobile Production



- Aluminum Production
- Automobile Production
- Both





- Automobile Industry - #1 in jobs
- Aluminum Industry - #5 in jobs
- Combined – greater economic development opportunities



SOLUTIONS

Sheet Metal
Technology

Extrusion
Technology

Integrated
Cast Aluminum
Technology

Materials Data
Management

Automotive
Aluminum

Plant
Energy
Assessments





Dr. Subodh K. Das
President & CEO
Secat, Inc.

