

**Richard R. Lunt**  
President  
Strategic Solutions, Inc

[rlunt@strategic-solutions-inc.net](mailto:rlunt@strategic-solutions-inc.net)

### **Employment History**

Strategic Solutions, Inc. (2002 – Present)

President

FOCIS Associates, Inc. (2002 – 2005) and FOCIS Division of SAIC (2005 - 2006)

Principal

Arthur D. Little, Inc. (1991 - 2002)

Principal, Environmental Science and Technology Practice

United Engineers and Constructors, Inc. (1980 - 1991)

Director, Environmental Systems and Services (1989 - 1991)

Project Manager (1986 - 1989)

Project Engineering Manager (1983 - 1986)

Manager of Process Engineering (1980 - 1983)

Arthur D. Little, Inc. (1972 - 1980)

Senior Consulting Engineer, Chemical and Metallurgical Engineering

Columbia University (1969 - 1972)

Instructor, Department of Chemical Engineering

### **Education**

Doctor of Engineering Science in Chemical Engineering, Columbia University

Master of Science in Chemical Engineering, Columbia University

Bachelor of Arts in Chemistry (with Honors), Colgate University

### **Experience Summary**

#### Strategic Solutions - President

Strategic Solutions is a small consulting company offering assessment and process design services for air emissions characterization and control, wastewater treatment and related technologies.

#### Arthur D. Little and FOCIS Associates - Principal

Responsible for marketing and managing multi-disciplinary environmental projects drawing upon technical expertise in air emissions control, wastewater treatment, chemical process technology and pollution prevention. Principal areas of work included: evaluations of state-of-the-art and emerging technologies; environmental permitting; environmental compliance audits; due diligence assessments; process design of air emissions control systems; technical, engineering and cost analysis of the Army's Chemical Demilitarization Program; and market analyses and strategic planning for technology commercialization and environmental business.

#### United Engineers and Constructors - Director, Environmental Systems and Services

Formed the Division directed its growth to more than a fivefold increase in professionals over three years attaining annual revenues approaching \$20 MM. Responsible for overall management including organization, project staffing, business development and operations, encompassing: three regional offices; a certified Environmental Laboratory; and an environmental project group on Johnston Island. The Division provided a full range of environmental consulting and engineering/design services to internal projects as well as directly to private sector companies and non-regulatory Federal agencies.

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#### United Engineers and Constructors - Project and Engineering Manager

- Basic engineering, detailed design, procurement, and startup of SO<sub>2</sub> systems for two, 800 MW, coal-fired units at Arizona Public Service Company's Four Corners' Station, NM.
- Basic engineering, detailed design and construction of a complete wastewater treatment system retrofit on two PC-fired boilers at Metropolitan Edison's Portland Station, PA.
- Detailed engineering/design and construction support for a 1350 TPD, 34-MW Municipal Solid Waste mass burn cogeneration facility in York County, PA.
- Basic engineering, detailed design, procurement, construction and startup of facilities to provide potable water and to treat acid mine drainage water for use as service water at a culm-fired cogeneration facility in Reading, PA.

#### United Engineers and Constructors – Manager of Process Engineering

Responsible for managing process engineers in the Power and Industrial Divisions. In this capacity administered personnel; coordinated staffing of projects; and conducted design reviews. The process engineering staff provided services in the areas of water treatment; wastewater treatment; particulate control; gaseous emissions control; and permitting support.

#### **Technical Expertise**

Areas of expertise are listed below.

- Gaseous and particulate emissions control technology and related process design
- Emissions characterizations
- Physical/chemical wastewater treatment
- Chemical demilitarization technology
- Permitting for air emissions and wastewater discharges
- Pollution prevention programs
- Process technology cost analysis
- Legal support

#### **Licenses, Certifications and Associations**

- Registered Professional Engineer - Pennsylvania, Rhode Island and New Mexico (Held a temporary professional engineering license for three years in Manitoba, Canada)
- 40-Hour HAZWOPER Certification
- American Institute of Chemical Engineers - Senior member

#### **Patents and Publications**

- Three US patents: two in flue gas desulfurization (FGD) technology; one for chemical formulation of a new polymer.
- Three dozen publications in the areas of: FGD technology; pollution prevention; waste and water management; modeling of reactor mixing; and process simulation..
- Co-authorship of five books: three on FGD technology; one on integrating inherent process safety and pollution prevention in process design; and one on utility waste & water management.