

FIRM PROFILE

Newcomb & Boyd is a multidiscipline consulting and engineering firm providing innovative solutions for facility design, construction and maintenance. The firm comprises the Consulting Engineering Group, the Commissioning Group, the Special Technologies Group, and the Lighting Design Group. These groups offer clients a single source for mechanical, electrical, plumbing, fire protection, energy management, building automation, commissioning and retrocommissioning, systems training, acoustics, audio-visual, communications, theatrical systems, security, and lighting needs.

From one office in Atlanta, Newcomb & Boyd serves clients throughout the United States and several foreign countries. The firm was founded in 1923 as Robert S. Newcomb, Consulting Engineer; the name was changed to Newcomb & Boyd in 1931 when Spencer W. Boyd became a Partner.

Newcomb & Boyd has provided services in 47 states, the District of Columbia, and 30 other countries.

Responsible environmental stewardship is woven into the engineering culture of Newcomb & Boyd. Since 1923, using sound engineering principles to save energy and conserve natural resources has been part of our tradition. We continue to design energy conscious buildings and have sixteen projects that are LEED certified and forty-one projects that are pursuing certification. Our engineers have presented sustainable topics at Greenbuild and Labs21 conferences. In addition to our membership in USGBC, we have sixty-three LEED Accredited Professionals, including every partner.

Company Structure

Partnership, established in 1923

The Partners are:

Steven F. Bruning, PE
James H. Costley, Jr., PE
William W. Dean, PE
Andrew A. Dymek, PE
Robert A. Howell, PE
Christopher P. Rousseau, PE
Stephen M. Sessler, PE

Staff Breakdown

Total Staff	162
Mechanical Engineers	48
Electrical Engineers	27
Plumbing Engineers	14
Fire Protection Engineers	5
Commissioning Engineers	9
Specialty Engineers	15
Lighting Designers	3
Acoustical Consultants	2
Technicians/Cooperative Students	16
Administrative Staff	23



PRACTICE GROUPS



Consulting Engineering Group

HVAC

Air Conditioning · Building Automation · Energy Management · Energy Recovery · Heating
Indoor Air Quality · Industrial Ventilation · Laboratory Exhaust and Biocontainment
Refrigeration · Sustainable Design · Thermal Storage

Fire Protection

Fire Alarm · Foam · Gaseous Extinguishing Agents · Smoke Management · Sprinklers

Plumbing Systems

Domestic Water · Fuels · Laboratory and Industrial Gases · Medical Gases
Sanitary, Storm, Acid and Chemical Drainage · Water Conservation

Electrical Systems

Cogeneration · Emergency and Uninterruptible Power · Lightning Protection · Power Distribution
Power Generation · Power Quality Analyses · Rate Schedule Analyses · Wire Management



Commissioning Group

Commissioning

Construction Observation · Design Criteria Assessment · Design Review · Equipment Start-Up
Facility Documentation · Special Inspections · Acceptance Testing · Warranty Period Monitoring

Retrocommissioning

Benefit Analyses · Condition Surveys · Corrective Measures · Current Load Determination
Indoor Air Quality Analyses · Remedial Design · System Optimization

Systems Training

Central Plants · Critical Power Systems · Direct Digital Controls · Graphical Interfaces
Hydronic Systems · Indoor Air Quality · Pressurization · Psychrometrics · Pumping Controls
Test Instruments · Troubleshooting · Variable Volume Flow Operations

PRACTICE GROUPS



Special Technologies Group

Security Systems

Access Control · Video Surveillance · Integrated Systems · Intrusion Detection
Procedure/Policy Analyses · Security Risk Assessment · Secure Facilities
Site and Facility Hardening · Staffing Models

Acoustics and Noise Control

Architectural Acoustics · Community Noise Control · Equipment Noise and Vibration Control
Industrial Noise Control · Modeling · Sound Isolation · Speech Privacy · Testing and Analyses

Theatre Consulting

Architectural Acoustics · House and Lobby Lighting · Noise and Vibration Control · Projection Systems
Rigging Systems · Sightline Analyses · Sound Systems · Space Programming · Stage Lighting

Communications Systems

Integrated Building Technology Systems · Commissioning of Communication Systems
Computer Systems · Fiber Optics · High Speed Data Links · LANs/WANs · Network Interfaces
Outside Plant · Peripherals · RF, Microwave and Satellite Antennas · Structured Cabling
IP Telephony/Computer Telephone Integration · Wi-Fi Wireless Networking · Technology Master Planning

Audio-Visual Systems

Analog and Digital Recording · Distance Learning · Multimedia Technologies
Public Address and Paging · SMATV Distribution · Sound Reinforcement
Video and Data Projection · Videoconferencing · Integrated Control Systems



Lighting Design Group

Interior Lighting

Art Lighting · Controls · Cost Benefit Analyses · Custom Fixtures · Daylighting

Exterior Lighting

Façade · Landscape · Site · Theme and Entertainment

Newcomb & Boyd

PRACTICE FOCUS

Advanced Technology

Biocontainment Facilities · Laboratories · Research Centers · Technology Incubator Facilities

Assembly

Exhibition and Conference Centers · Libraries · Museums
Performing Arts Facilities · Theatres and Auditoriums

Aviation

Airport Technology · Central Plants · Consolidated Rental Car Facilities
Parking Structures · Terminal and Concourse Buildings

Commercial

Hotels · Mixed-Use Complexes · Office Buildings

Corporate

Central Plants · Data Centers · Office Buildings · Operations Centers · Training Facilities

Criminal Justice

Correctional Facilities · Court Technology · Justice Complexes

Educational

Campus Master Plans · Central Plants · Classroom Buildings
Computer and Telecommunications Buildings · Performance Venues
Science, Laboratory, and Research Facilities · Student Centers · Recreation/Athletic Facilities

Government/Military

Archival Facilities · Barracks Complexes · Headquarters Buildings · Central Plants
Company Operations Buildings · Dining Facilities · Hospitals and Clinics
Maintenance Facilities · Simulator Facilities · Special Purpose Facilities

Healthcare

Cancer Centers · Central Plants · Clinics · Hospitals · Imaging Centers
Outpatient Facilities · Professional Office Buildings

Industrial

Cleanroom Facilities · Distribution Facilities · Manufacturing Facilities · Pharmaceutical Facilities

Utilities

Central Plants/Distribution · Cogeneration · Communications · Power Distribution · Thermal Storage

Project Delivery Methods

Bridging · Construction Manager · Construction Manager at Risk · Design/Build · Designer-Led Design/Build