



Mechanical



Electrical



Plumbing

Telecommunications

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Mechanical Engineering

AMC's mechanical engineers are highly skilled in indoor climate control, piping and process HVAC systems design.

- **Ventilation Systems**
 - ◇ Comfort Ventilation
 - ◇ Indoor Air Quality
 - ◇ Hospital Ventilation
 - ◇ Laboratory Ventilation
 - ◇ Industrial Ventilation
 - ◇ Smoke Management
- **Heat Generation Systems**
 - ◇ Hydronic Heating Boilers
 - ◇ Steam Boilers & Condensate
 - ◇ Furnaces
- **Heat Transfer Systems**
 - ◇ Hydronic & Steam Heating
 - ◇ Radiant Floors and Ceiling
 - ◇ Heat Recovery
- **Plumbing & Piping Systems**
 - ◇ Domestic Plumbing
 - ◇ Medical Gas & Vacuum
 - ◇ Water & Wastewater Treatment
- **Fire Protection Systems**
 - ◇ Wet/Dry Sprinkler Piping
 - ◇ Clean Agent Systems
 - ◇ Fire Pumps & Water Storage
- **Fuel Systems**
 - ◇ Storage & Distribution
 - ◇ Vehicle Fueling
 - ◇ Natural Gas & Propane
- **Cooling Systems**
 - ◇ Well Water Cooling
 - ◇ Mechanical Refrigeration
- **Humidification Systems**
- **Building & Plant Automation**
 - ◇ HVAC Controls
 - ◇ Networked Systems
 - ◇ PLC Control & HMI
 - ◇ Direct Digital Control
 - ◇ Leak Detection Control

AMC Engineers crafts safe, comfortable and efficient environments for people to live, work and play.

We specialize in the engineering and design of active systems that make facilities habitable and user friendly. AMC Engineers designs all types of institutional, industrial and commercial projects with an emphasis on Mechanical, Electrical, Plumbing and Telecommunications engineering. Our clients recognize AMC Engineers as particularly adept at staying on the leading edge of rapidly evolving technologies.

Facility Types

- Airport Terminals & Airport Support Facilities
- Auditoriums, Theaters
Museums & Libraries
- Courthouses, Correctional Facilities, Jails & Prisons
- Water & Wastewater Treatment & Distribution Facilities
- Hospitals, Laboratories, Medical & Day Care Facilities
- Marine Support Facilities & Marine Docks
- Educational Facilities, Public Schools & Universities
- Recreational Facilities, Swimming Pools, Ice Arenas, Gymnasiums & Stadiums



Mat-Su College



Ted Stevens Anchorage
International Airport



BPX NorthStar



Cover photos from top to bottom:
Nesbett Courthouse, Ketchikan High School, Dimond High School

Electrical Engineering

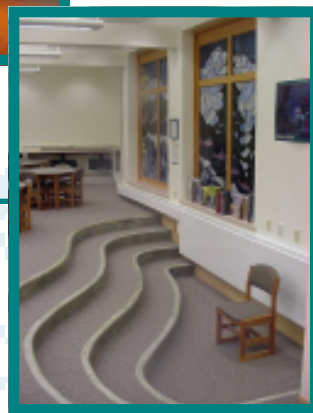
AMC Engineers provides services for nearly every major industry doing business in Alaska.

Founded in 1981, AMC Engineers is an Alaskan-owned company, staffed by Alaskan residents.

Our projects range from small feasibility studies to the complete mechanical and electrical engineering of projects exceeding 700,000 square feet. Many agencies and institutions rely on our expertise: the University of Alaska, Anchorage School District, Alaska Department of Transportation & Public Facilities, Providence Hospital, Alaska Court System, Matanuska-Susitna Borough, Seattle School District, and Alaska's largest industrial and commercial Owners, design/build Contractors and Consultants.



UAA Aviation Laboratory



Talkeetna Elementary



UAA Consortium Library

Services

- Planning
- Feasibility Analysis
- Condition Surveys
- Code Studies
- Concept Design
- Design Drawings & Specifications
- Bidding & Negotiation Assistance
- Construction Administration
- Commissioning

AMC's electrical team has made us the leading telecommunication system engineering firm in Alaska.

- **Lighting Systems**
 - ◇ Architectural Lighting
 - ◇ Airfields
 - ◇ Museum Display Lighting
 - ◇ Emergency & Exit Lighting
- **Power Systems**
 - ◇ Prime Power
 - ◇ Emergency/Standby Power
 - ◇ Uninterruptible Power Systems
- **Security Systems**
 - ◇ Access Control
 - ◇ CCTV Monitoring
 - ◇ Intrusion Detection
- **Audio/Video Systems**
 - ◇ Clock/Intercom
 - ◇ Hearing Impaired Audio
 - ◇ MATV/CATV
- **Controls & Instrumentation**
 - ◇ Supervisory Control & Data Acquisition
 - ◇ PLC Control & HMI
- **Fire Protection**
 - ◇ ADA Strobe & Horn Systems
 - ◇ Smoke & Flame Detection Systems
- **Telecommunications**
 - ◇ Fiber Optic Cabling Systems
 - ◇ Structured Cabling Systems
 - ◇ Local & Wide Area Network
 - ◇ Telecommunications Distribution
 - ◇ Telecommunications Grounding
 - ◇ Cable Management Systems
- **Energy Analysis & Conservation**
- **Life-Cycle Cost Analysis**
 - ◇ LEEDS Designs



Award-Winning Quality Engineering

Partial List of Awards:

Consulting-Specifying Engineer magazine:

Integrator Award – Institutional Category

- 1998 **National Winner** for the UAA Residence Halls and Dining Facility
- 1997 **National Winner** for the Anchorage Nesbett Courthouse
- 1996 **Honorable Mention** for the ASD Prototype Elementary School Design



UAA Dining Facility

American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE):

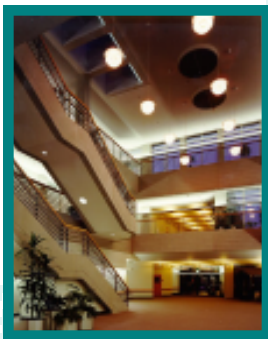
- 2002 **National Technology Award** for the ADF&G Hunter Education Indoor Shooting Range – Fairbanks, AK (*One of only five awarded in USA*)
- 2001 Alaska Chapter **Technology Award** for the Anchorage School District Prototypical Elementary School Design
- 1986 **Regional Energy Award** for Outstanding Achievement in the Design of Energy Efficient Buildings for the Kulis Air National Guard Operations and Training Facility. AMC also received the **“Blue Seal” Design Excellence** from the Secretary of Defense.

- 1998 **Heart of the City Greater Anchorage Award** from the Anchorage Downtown Partnership for the UAA Residence Halls and Dining Facility



Nikiski Pool Remodel

- 1995 **Excellence in Aquatics** from the National Recreation & Parks Association



UAA School of Business

Engineering Society of North America (IESNA):

IESNA **Award of Excellence** for Energy Efficiency in Lighting for Commercial Buildings for the UAA School of Business lighting. (*One of only three awarded in the USA in 1993*)

IESNA International Illumination Design **Award of Merit** in following:

- 2002 Teeland Middle School
- 1999 UAA Residential Hall & Dining Facility
- 1996 Juneau (Dzantik'i Heeni) Middle School
- 1996 Ketchikan High School
- 1995 Nikiski Pool Remodel

Architectural Awards:

- 1997 AIA **Merit Award** for the UAA Aviation Technology Center
- 1996 **Honor Award** AIA Alaska Chapter for the Nesbett Courthouse
- 1996 AIA **Special Recognition Award** for the West Anchorage High School Science Center
- 1995 **Honor Award** AIA Alaska Chapter for the Ketchikan High School Remodel
- 1993 **Honor Award** AIA Alaska Chapter for the University of Alaska School of Business



Ketchikan High School

CEFP Recognition:

- 2003 **Len Mackler Award** for Dimond High School
- 2000 **Len Mackler Award** for the UAA Aviation Technology Building
- 1996 **Award of Distinction** for the Anchorage School District Prototype Elementary School Design

For a complete up-to-date list of all awards and publications, visit our web site:
www.amc-engineers.com



Founded 1981

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