



## Mechanical and Plumbing

Arora's mechanical and plumbing engineers design appropriate, responsive, reliable, and energy efficient heating, ventilation, air conditioning, and plumbing systems for projects of every size to serve the needs of people and their processes.

Our engineers design the essential networks of systems to preserve health, function, and convenience. Most importantly, we integrate sustainable design principles for conservation, efficiency, and longevity.

### Key Services

- + Sustainable/Green Building Design
- + Heating, Ventilation, and Air Distribution Systems Design
- + Central Plant Design Including, Hot Water and Steam Boilers, Water and Air-Cooled Chillers, and Cooling Towers
- + Laboratory and Other Specialty Exhaust & System Design
- + Gas and Water Purification Systems For Laboratories
- + Underfloor and Displacement Air Systems Design
- + Chilled Beams
- + Constant and Variable Air Volume Systems
- + Hydronic Cooling and Heating Distribution Systems
- + Variable Refrigerant Flow (VRF) Systems
- + Radiant Heating Systems Including Gas and Electric Systems
- + Hydronic Heated Floor Slab Design
- + Geothermal System Design
- + Energy Recovery System Design
- + Building Automation and Digital Controls
- + Domestic Water Systems Including Grey Water & Non-Potable Systems
- + Storm and Sanitary System Design
- + Rain Water Harvesting Systems Design
- + Fuel System Design Including Natural Gas, LPG, Diesel, and Gasoline
- + Studies; Lifecycle Costing, Energy Analyses

### Representative Clients

- + Large, medium, small hub airports
- + Transportation facilities
- + Higher Ed and K-12
- + High Rise and Commercial Buildings
- + Municipal water and sewage facilities
- + Cultural Buildings (Libraries and Museums)



Rethinking Infrastructure®

[aroraengineers.com](http://aroraengineers.com)