

UPEA SERVICES

Piped Service Systems

- ◆ Compressed air, laboratory fluid, and gas systems
- ◆ Fuel systems, including liquid fuel, natural gas, and propane systems

Fire Protection Systems

- ◆ Automatic sprinkler systems
- ◆ Carbon dioxide systems
- ◆ Foam extinguishing systems
- ◆ Halon systems
- ◆ Hose and standpipe systems

Energy Efficiency Engineering

- ◆ Energy analysis of architectural, mechanical, electrical, industrial systems
- ◆ Energy utilization planning and budgeting
- ◆ Energy auditing and energy conservation retrofit design

Alternative Energy Engineering

- ◆ Geothermal groundwater and ground source heating and cooling
- ◆ Solar (passive, active and photovoltaic)
- ◆ Waste heat recovery
- ◆ Cogeneration

Heating, Ventilating and Air Conditioning Systems

- ◆ Forced air heating and cooling systems
- ◆ Hydronic heating systems including in-floor radiant and snow melt system
- ◆ High and low pressure steam heating systems
- ◆ Chilled water cooling systems
- ◆ Industrial ventilation and exhaust system
- ◆ Localized vehicle exhaust system
- ◆ Infrared radiant heating systems

Plumbing Systems

- ◆ Domestic water supply and sanitary waste systems
- ◆ Building storm drain system
- ◆ Oil and grease waste system

MECHANICAL ENGINEERING

Value Engineering Increases Productivity & Performance

