

## LIST OF MECHANICAL SERVICES PROVIDED

- **Heating, Ventilation, and Air-Conditioning (HVAC) Systems**
  - Design and installation of energy-efficient HVAC systems
  - Indoor air quality management and ventilation solutions
  - Climate control for residential, commercial, and industrial projects
- **Fire Protection Systems**
  - Design of fire suppression systems in compliance with NFPA standards
  - Installation of fire alarms, detection systems, and smoke control
  - Fire sprinkler systems and fire hydrant designs
- **Centralized Liquefied Petroleum Gas (LPG) Systems**
  - Design and installation of centralized LPG distribution systems
  - Gas safety and compliance with industry standards
- **Chilled Water Systems**
  - Design and installation of chilled water systems for air conditioning
  - Integration of energy-efficient chiller plants
  - Cooling tower and heat exchanger designs
- **Thermal Energy Storage Systems**
  - Design and implementation of thermal energy storage for peak load management
  - Strategies for energy efficiency and reduced operational costs
- **Steam and Hot Water Systems**
  - Design and installation of steam generation and distribution
  - High-efficiency boilers and hot water generation systems
- **Building Automation and Control Systems (BMS)**
  - Integration of mechanical systems into centralized building management systems
  - Automated monitoring and control for optimized building performance
- **Retrofitting Services**
  - Upgrading and retrofitting existing systems for improved energy efficiency
- **Sustainable and Green Building Solutions**
  - Mechanical system designs that meet LEED and EDGE certification requirements
  - Implementation of passive cooling and energy-saving strategies
- **Energy Audits and Performance Optimization**
  - Energy consumption analysis and system optimization
  - Recommendations for improving mechanical system efficiency