

## **ABOUT MELINE ENGINEERING**

Meline Engineering was founded in 1995, in Sacramento, California. We provide energy efficient mechanical system designs for government, commercial and residential buildings. Mechanical engineering services are provided to facility managers, building owners, developers, contractors, Energy Service Companies, architects and homeowners for new construction, renovations, and tenant improvements.

In addition to completing projects within budget and on time, Meline Engineering uses an internal quality assurance plan to ensure our final product is considered an industry standard. Our growing repeat clientele reflects our dedication to customer service and ability to turn projects quickly. Industry leaders have recognized our ability to remain current in the latest applicable geothermal heat pump technologies (Geoexchange), practices, and regulations. Their recognition has led our team to speak at recent regional conferences and an invitation to teach at Sacramento State University on Thermodynamics.

## **CONTACT INFORMATION:**

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## **POINT OF CONTACT:**

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Natasha Kishkovsky, Marketing – [natasha@meline.com](mailto:natasha@meline.com)

## **CERTIFICATIONS**

The following is a list of our credentials and certifications:

- Licensed Professional Engineers in CA, CO, UT and NV
- LEED Accredited Professional (Leadership in Energy & Environmental Design)
- Certified Geoexchange Designer
- IGSHPA Certified Installer (International Ground Source Heat Pump Assoc.)
- California Department of General Services Certified Small Business (SB)
- City of Sacramento Emerging & Small Business Enterprise
- Public Utilities Commission (DBE)

## **SPECIALIZATION**

As mechanical engineers, we consider ourselves the West coast industry leader in designing Geoexchange and related applications. Geoexchange uses the relatively constant temperature of the earth or a body of water to improve mechanical equipment efficiency. When compared to conventional system designs, geoexchange systems offer several benefits to the consumer such as operational cost savings, reduced maintenance, and more. Geoexchange is a mature technology with equipment available from many manufacturers.

## **ENGINEERING SERVICES**

Meline Engineering provides a variety of mechanical engineering services:

- Energy-Efficient Mechanical Systems Design
- Georexchange Consulting, Systems Design and Construction Support
- Building Load Calculations
  - Title 24 Compliance Documents
- Plumbing Systems Design
- Third-Party Design Reviews
- Feasibility Studies
- Assistance in preparing documentation for LEED building certification

## **ENERGY EFFICIENT MECHANICAL SYSTEMS DESIGNS**

Meline Engineering's primary product is construction drawings. It is beneficial to the customer if our design team is involved early in the conceptual design stages of a project. Working closely with the project team early on allows us to make recommendations regarding building materials, methods, and constructability, resulting in a more efficient design. Construction budget and schedule, in addition to energy efficiency, are always appropriately considered in our design process.

Our team can provide as little or as much design assistance as needed. In some cases we provide project management services to guide the architect or general contractor in the integration of the mechanical and plumbing systems. For instance, for a large project we might coordinate the design and integration of the radiant floor distribution, domestic hot water, duct distribution and other peripheral systems such as pool/spa heating or wine storage.

## **PLUMBING SYSTEMS DESIGN**

Plumbing design services include domestic cold and hot water, sewer, vent, and natural gas/propane distribution systems. Our plumbing designs include plumbing plans, isometrics, installation notes, and schedules. In most cases a design-build contractor may provide their own drawings for permit; however, it has been our experience that our consistent plumbing design format and knowledge of the plumbing code will usually expedite both the construction permit process and installation for the building owner. Hydronic piping design may also be provided.

## **MELINE ENGINEERING'S PLEDGE TO OUR CUSTOMERS IS TO:**

- Be responsive to every phone call and e-mail within one business day.
- Promote well-integrated design with other team members (civil, electrical, architectural and specialty contractors) through open communication and coordination of documents.
- Provide engineered solutions to problems to assist project teams with results.
- Promote efficient and innovative design and strive to work on projects incorporating those ideals.
- Right-size our engineering services so we can provide the right services to fit the project scope and budget.

**OUR RECENT SATISFIED CUSTOMERS INCLUDE:**

**Government/Public:**

Sonoma County Water Agency  
Army Corp of Engineers  
California State Lottery  
Carmichael Water District  
Federal Bureau of Prisons  
Truckee-Donner Public Utilities District  
Sacramento County  
Consolidated Area Housing Authority of Sutter  
County  
US Forrest Service, Spooner Summit Fire  
Station

**Educational:**

Community College San Francisco  
Woodland Community College

**Construction:**

Pike Heating and Air Conditioning  
Harrison Construction  
Rusher Air Conditioning  
Brower Mechanical  
Air Connection

**Architectural Firms:**

AECOM  
Betty Woo, AIA  
Blackbird Associates  
Cynthia Easton Architect  
Steve Jacobs Architect  
YHLA  
Arkin Tilt Architects  
Sharp Architecture

*References will be provide upon request.*

**MELINE ENGINEERING IS PROUD TO BE AFFILIATED WITH:**

