

How *RELIABLE* is *your* *MECHANICAL* *ENGINEER?*



A Full Service Consultant

Residential

Commercial

Industrial

Governmental/Public Works



Providing all your design needs

HVAC system design

Plumbing system design

Energy-conscious design

Sustainable design

Energy & life-cycle analyses

Construction period support

Peer Review of Plans



Reliable

Our Clients continue to return to us for quality design services and on-time delivery of engineering documents



Experienced

Experienced in a wide range of project types – from Food Service to Industrial/Manufacturing Facilities

SPOTLIGHT ON

SUSTAINABLE DESIGN

Efficient Plumbing & Water Conservation

- *Efficient design that works*
- *Conserving fixtures and equipment (waterless urinals, dual-flush, etc.)*
- *Gray water system design*
- *Solar water pre-heating*
- *Innovative hot water circulation*
- *Chemical free cooling tower tech*



Space Cooling, Heating, Ventilation, Exhaust

- *Efficient design that works*
- *Variable Speed Drive Applications (Kitchen hood systems)*
- *Optimal Control Sequences*
- *Exploiting ASHRAE Standard 55*
- *Air/water economizing*
- *Condensing boilers/furnaces*
- *Variable refrigerant technologies*
- *Building hourly energy simulation*
- *Geothermal Applications*
- *Thermal Storage Technologies*

WE ARE EXPERIENCED IN A WIDE
RANGE OF PROJECT TYPES

RESIDENTIAL
Custom Home
Planned Community
High-Rise Residential
Mixed-Use

COMMERCIAL:
Educational – Schools/Modernizations
Fitness Centers/Natoriums
Medical/Dental Offices
Hospitality/Hotels
Retail Malls
Data- Centers/Computer Rm Cooling
Central Plant Design & Upgrades
Retail/T.I.
Restaurants
Grocery Stores/Markets
Banks
Churches



INDUSTRIAL:
Paint booths & Flame Spray
Metal Cutting/Processing
Food Manufacturing
Machine Shops
Vehicle Repair Facilities
Warehousing/Distribution

 **SPARKS ENGINEERING^{LLC}**
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A design firm that you can rely upon

MISSION STATEMENT

SPARKS ENGINEERING strives to become a leader in our field by consistently exceeding our Client's expectations and providing them with the greatest value in HVAC, plumbing, and industrial heat transfer solutions.

Each project we resolve to undertake will be given our very best efforts. We will continue to provide detailed, accurate, ethical and well planned engineering documents to our Clients. Clear communications to our Clients shall be the standard mode and prompt responses from us shall exceed their expectations in all aspects.

And, we will keep on top of today's and tomorrow's technology, no matter how fast it moves, to ensure that our Client's always have the best mechanical and plumbing designs available to them.

sparks-engineering.com

COMPANY BACKGROUND - Since 2004, Sparks Engineering, LLC, has been providing high quality mechanical engineering services for commercial, industrial, institutional, educational, and residential projects.



Headed by partners, Jonathan and Sara Sparks, the company delivers quality, professional engineering services in a timely manner to an ever-growing base of clients. Almost every one of our clients continues to call upon a mechanical engineering firm they know to be reliable – Sparks Engineering.

With exceptionally high standards and a strong commitment to provide the best design feasible in each and every project - regardless of whether the project is small or large – Sparks Engineering continues to be the consultant of choice.

Designing for Tomorrow...Designing with Integrity

PROFESSIONAL REGISTRATION - The Company's engineers are professionally registered in the states of Nevada, California, Arizona, and Florida. In addition, the principal is registered with the National Council of Examiners for Engineering and Surveying.

Partial Client Listing

U.S. Air Force
National Park Service
McCarran Int'l Airport
Vitacost NV
Las Vegas Convention Authority
Venetian Hotel/Casino (T.I.)
Fashion Show Mall (T.I.)
Las Vegas Outlet Center (T.I.)
Orleans Hotel/Casino (T.I.)
World Market Center (T.I.)
Panorama Towers Las Vegas
Turnberry Towers Las Vegas
24 Hour Fitness Center
Anytime Fitness
Caremore Health Las Vegas
Caremore Health Apple Valley
Telepacific
Telemundo
Cox Communications
Roberts Communications
NV Thermal Spray
International Laser Cutting
Seven-Eleven Stores
Dunkin Donuts Stores
Denny's Restaurants
Mundos @ WMC
NU Sanctuary – Town Square LV
First Asian Bank – #1
First Asian Bank – #2
Supermercado Market
Perfect Choice Market
Ortega Asian Market
La Mexicana Market (Mesquite, NV)
Mediterranean Market
Cheyenne Medical Center
Coronado Medical Center
UMC Rapid Care
Dr. Nguyen Dental
Dr. Juan Carlos Dental
Bella Vita Clinics