

	Request for Qualifications Solicitation No. ADSP018-00007887 Description: 2018 Professional Services List	Arizona Department of Administration State Procurement Office 100 N 15th Ave., Suite 201 Phoenix, AZ 85007
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Attachment 1
Offer and Acceptance Form

SUBMISSION OF OFFER: Undersigned hereby offers and agrees to provide qualifications for 2018 Annual Professional Services List in compliance with the Solicitation indicated above and our Offer indicated by the latest dated version below:

Initial Offer:	1. January 22, 2018	KP	
	date	initial	

Sun Engineering, LLC

Offeror company name
600 W Hatcher Rd. Suite 200
Address
Phoenix, AZ 85021
City State ZIP
26-4196994
Federal tax identifier (EIN or SSN)

Signature of person authorized to sign Offer	Initials
 Printed name and title	KP
Ken Pratt President/ CEO	
Contact name and title	
kpratt@sunengineering.us	602-997-6803
Contact Email Address	Contact phone number

CERTIFICATION: By signature in the above, Offeror certifies that it:

- will not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, [Arizona] State Executive Order 2009-9 or A.R.S. §§ 41-1461 through 1465;
- has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer. Failure to provide a valid signature affirming the stipulations required by this clause will result in rejection of the Offer. Signing the Offer with a false statement will void the Offer, any resulting contract, and may be subject to legal penalties under law;
- complies with A.R.S. § 41-3532 when offering electronics or information technology products, services, or maintenance; and
- is not debarred from, or otherwise prohibited from participating in any contract awarded by federal, state, or local government.

ACCEPTANCE OF OFFER: State hereby accepts the initial Offer, Revised Offer, or Best and Final Offer identified by number ADSP018-00007887 at the top of this form, and which was dated 1/22/18 (the Accepted Offer). Offeror is now bound (as Contractor) to carry out the Work under the attached Contract, of which the Accepted Offer forms a part. Contractor is cautioned not to commence any billable work or to provide any material or perform any service under the Contract until Contractor receives the applicable Order or written notice to proceed from Procurement Officer.

State's Contract No. is: ADSP018-00007887 The effective date of the Contract: 1/30/18-1/30/19 Contract awarded: 1/30/18

 Procurement Officer signature
--

Sean Wulfekuhle Procurement Officer printed name

Contract qualification award can be viewed at <https://spo.az.gov/procurement-services/professional-services>

PART 4 of the Solicitation Documents:
 Offer Forms (Attachments)

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Attachment 2-A
Experience and Capacity

STATE MAY DETERMINE YOUR SUBMITTAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

DEFINITIONS

Branch Office: A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

Discipline: Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

Key Personnel: Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

Parent Company. Identify controlling company name in this field if the Firm is owned or controlled by another company.

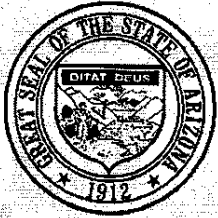
Structure: How a business is organized to accomplish its objectives (ie, Sole Proprietor, Limited Liability Company, Cooperative, Corporation, Partnership, S Corporation). See chart below for example:

Entity Type	For Profit
Corporation	S Corporation
Cooperative	No
Partnership	Limited Liability Partnership
Sole Proprietor	No
Limited Liability Company	Limited Liability Company

1.0 Five (5) Example Projects

List no more than five (5) example projects which best illustrate firm's qualification for this contract in the chart provided below. Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this qualifications list contract. (NOTE: The integrity of the chart table columns shall remain unchanged, however the rows for each project may be expanded by the Offeror to accommodate the information).

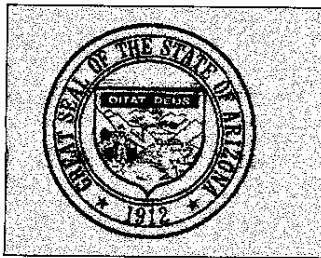
- a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
- b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
- c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
- d. Provide the original budget or not to exceed dollar amount for the project.
- e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
- f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.



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Title and Location of Project	Design Completion Year	Construction Completion Year	Project Owner	Project Original Budget (or not to exceed amount)	Total Cost of the Project	Brief Description of Project
Desert Jewel Apartment Complex Phoenix, AZ	2017	2018	OC Design Studio SCOTTSDALE, ARIZONA 85266 480.768.7557 ocstudio@ymail.com	\$1.5 Million	\$1.5 Million	Provided electrical engineering.
IT ROOM RELOCATION	2016	2017	Lake Havasu City	\$200,000	\$200,000	Provided electrical, mechanical & plumbing and fire protection engineering.
Arizona Department of Administration Capital Mall Elevator Modernization. Phoenix, AZ (multiple locations)	2015	2015	State of Arizona	\$800,000	\$800,000	Provided electrical, mechanical & plumbing, fire protection engineering and Construction Administration.
Sub to Horrocks Engineers – County Maintenance Bldg TI. Santa Cruz County.	2015	2015	Santa Cruz County	\$125,000	\$125,000	Provided electrical and mechanical engineering
Arizona Department of Administration – Senate Building Cooling Coil Design. Phoenix, AZ.	2014	2014	State of Arizona	\$20,000	\$20,000	Provided electrical and mechanical engineering



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2.0 EMPLOYEES BY DISCIPLINE

Aeronautical Engineer	Electrical Engineer	Mechanical Engineer
Agricultural Engineer	Environmental Engineer	Metallurgical Engineer
Archeologist	Environmental Scientist	Mining Engineer
Architect	Fire Protection Engineer	Nuclear Engineer
Architectural Engineering	Geodetic Surveyor	Petroleum Engineer
Biologist	Geographic Information System Specialist	Photogrammetrist
CADD Technician	Geological Engineer	Project Manager
Chemical Engineer	Geologist	Sanitary Engineer
Civil Engineer	Hydrographic Surveyor	Soils Engineer
Construction Manager	Hydraulic Engineer	Structural Engineer
Construction Inspector	Hydrologist	Technician/Analyst
Control Systems Engineer	Industrial Engineer	Transportation Engineer
Cost Engineer/Estimator	Landscape Architect	Water Resources Engineer

Enter requested information in the chart provided below:

- a. Select disciplines from the List of Disciplines. For employees that do not qualify for any of the disciplines, select "Other".
- b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.
- c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c. (NOTE: The Offeror may insert or delete rows in the existing Employees by Discipline chart table on page six (6) as necessary to complete the requirements for Question 2).



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a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees Firm	d. No. of Employees Branch
CADD Technician	P	2	
Construction Manager	S	2	
Construction Inspector	S	2	
Control System Engineer	P	1	
Cost Engineer/Estimator	P/S	2	
Electrical Engineer	P	2	
Fire Protection Engineer	P	2	
Industrial Engineer	S	1	
Mechanical Engineer	P	2	
Project Manager	S	2	
Techician/Analyst	S	2	
Total		10	

3.0 FIRMS EXPERIENCE AND REVENUE

- a. Firm shall complete the document titled "Project Experience Number of Projects and Revenue", using same document title and upload in .pdf format only as an "Attachment" with firm's offer in ProcureAZ.

4.0 FIRMS SERVICES

- a. Firm shall complete the Excel spreadsheet titled "**2018 Professional Services List of Firms Services**" using same document title and uploaded in Excel format only as an "Attachment" with firm's offer in ProcureAZ.

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5.0 EXPERIENCE REFERENCES:

THE PRIME FIRM SHALL LIST A TOTAL OF THREE (3) CLIENT REFERENCES FOR ANY PROJECTS COMPLETED IN THE LAST YEAR BY THE FIRM (OR A BRANCH LOCATION). REFERENCES MAY BE CONTACTED BY ANY ELIGIBLE AGENCY.

1	Client Company/Address	Contact	Begin Date	End Date
	ADOA/100 N. 15th Ave, Phx, AZ 85007	Mike MacDonald	2015	2017
	Phone Number	Email Address		
	602-542-6229	mmacdonald@azdoa.gov		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities (What were the uses, facilities, or activities that were built. For example; lift station, parking lot, bridge, playground, sewerage treatment plant, storm drainage, etc.).</p> <p>Capital Mall Elevator Modernization – 2910: Phx, AZ \$79,557, \$79,557, \$458,000 – Modernized elevators.</p> <p>Services performed similar to those described in Solicitation</p> <p>Provided electrical, mechanical & plumbing engineering and construction management.</p>				
2	Client Company/Address	Contact	Begin Date	End Date
	City of Avondale/11465 W. Civic Center Dr., Avondale, AZ 85323	Mark Neerings	2012	2014
	Phone Number	Email Address		
	623-333-5000	mneerings@avondale.org		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities (What were the uses, facilities, or activities that were built. For example; lift station, parking lot, bridge, playground, sewerage treatment plant, storm drainage, etc.).</p> <p>IT Room TI: Avondale, AZ, \$20,000, \$20,000, \$100,000 – Expanded Room and added gas suppression system.</p> <p>Services performed similar to those described in Solicitation</p> <p>Provided electrical, mechanical & plumbing, fire protection and construction administration</p>				
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	602-273-8805	Jeffery.pugh@phoenix.gov		

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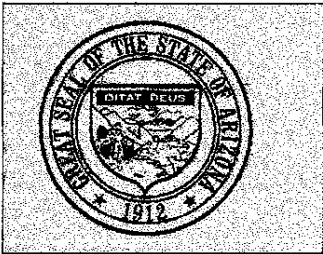
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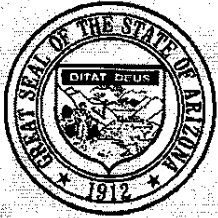
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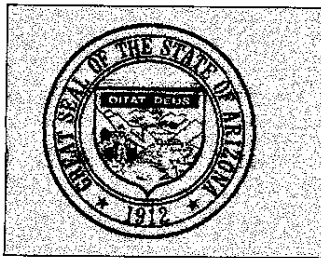
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Northern Arizona Cemetery: Bellemont, AZ: \$63,000, \$63,000, \$4,000,000

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End of Attachment 2-A

	<p align="center">Request for Qualifications Solicitation No. ADSP018-00007887 Description: 2018 Professional Services List</p>	<p align="center">Arizona Department of Administration State Procurement Office 100 N 15th Ave., Suite 201 Phoenix, AZ 85007</p>
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**Attachment 2-B
Organization Profile**

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

ORGANIZATION PROFILE

The firm shall complete a separate Organizational Profile document for each branch office.

Firm Name	Sun Engineering, LLC	Year established	2009	
Principal address (street, city, state)	600 W. Hatcher, Suite 200			
Entity type:	For Profit	Structure:	Limited Liability Company	
Branch or Division:	Division	Parent Company:	N/A	
Years the organization has conducted business in Arizona.			9	
Contract Representatives to Contact				
	Name	Title	Telephone Number	E-Mail Address
1.	Ken Pratt, MBA	President/CEO	623-329-2050	kpratt@sunengineering.us
2.	Tom Moll, PE	Director of Engineering	602-997-6800	tmoll@sunengineering.us
3.	Jose Mattei	Director of Operations	602-997-6800	jmattei@sunengineering.us
Firm Professional Registration and Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)				
	Description	Issuer	Number	Expiration
1.	Arizona Board of Technical Registration	State of Arizona	15742	4/15/18
2.	Arizona transaction privilege tax license or (if applicable) Arizona Corporate Commission Certificate of Good Standing	State of Arizona		

ATTACHMENT 2-B SUPPLEMENTS:

(For submission of additional Organizational Profile qualifications beyond the number of forms provided in the Offer Documents: Offeror shall copy the Organizational Profile form in its entirety and complete in a separate Document for submission with the offer or type "None" on first line if not applicable. Offeror shall title Supplement(s) with the same beginning title as named herein, number sequentially in accordance with the number of Organizational Profile forms submitting and upload with offer.)

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Offer Forms (Attachments)

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STATE OF ARIZONA
BOARD OF TECHNICAL REGISTRATION

■ FIRM REGISTRATION ■

FIRM NAME
Sun Engineering, LLC


FIRM ADDRESS
600 W Hatcher Road
Suite 200
Phoenix, Arizona 85021

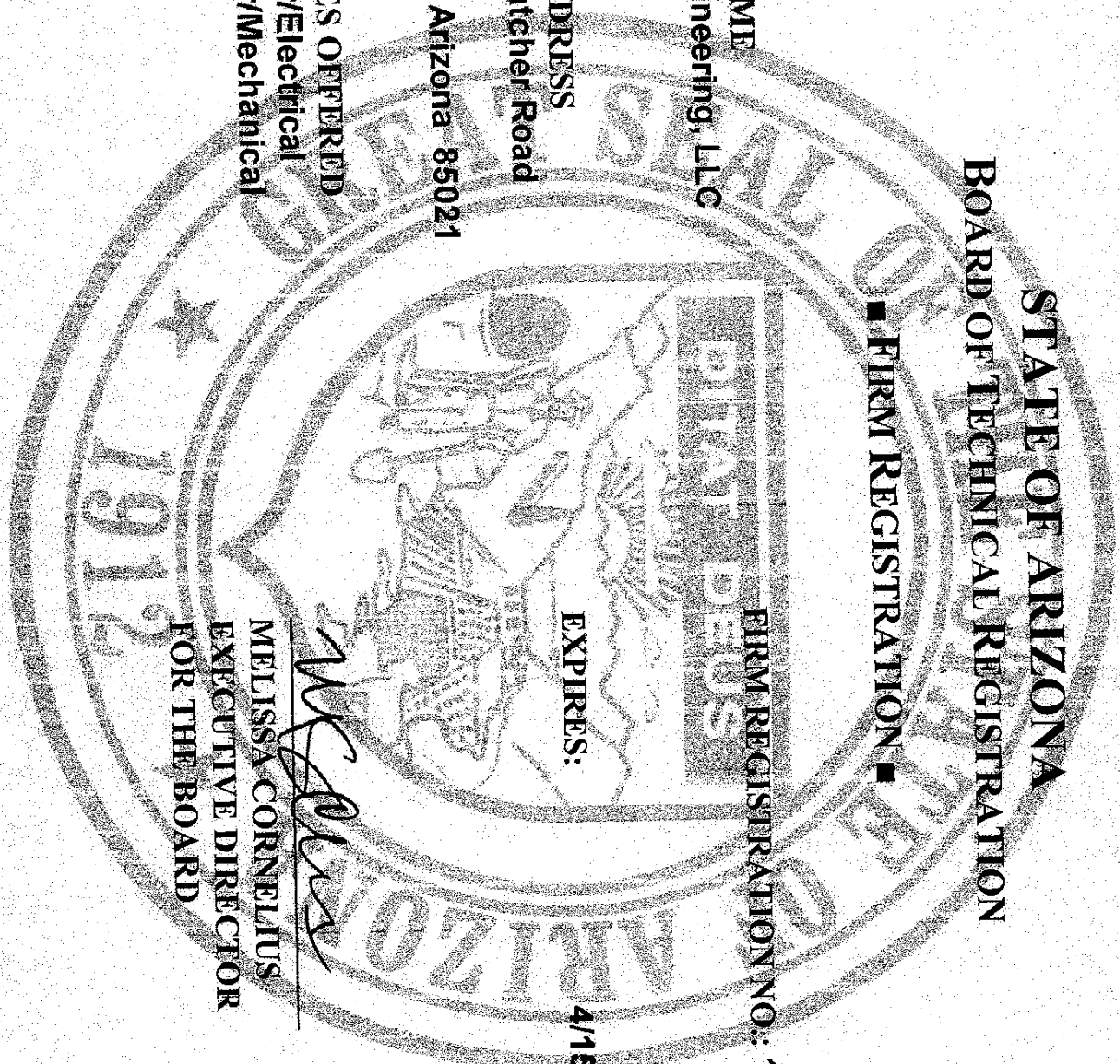
SERVICES OFFERED
Engineer/Electrical
Engineer/Mechanical

FIRM REGISTRATION NO.: 15742-0

EXPIRES:

4/15/2018


MELISSA CORNELIUS
EXECUTIVE DIRECTOR
FOR THE BOARD



STATE OF ARIZONA



Office of the
CORPORATION COMMISSION
CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Ernest G. Johnson, Executive Director of the Arizona Corporation Commission, do hereby certify that

*****SUN ENGINEERING LLC*****

a domestic limited liability company organized under the laws of the State of Arizona, did organize on the 6th day of February 2009.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said limited liability company is not administratively dissolved for failure to comply with the provisions of A.R.S. section 29-601 et seq., the Arizona Limited Liability Company Act; and that the said limited liability company has not filed Articles of Termination as of the date of this certificate.

This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 14th day of August, 2012, A. D.



Executive Director

By: _____ 799129

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Branch or Division:	Division	Parent Company:	N/A	
Years the organization has conducted business in Arizona.			9	
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1.	Ken Pratt, MBA	President/CEO	623-329-2050	kpratt@sunengineering.us
2.	Tom Moll, PE	Director of Engineering	602-997-6800	tmoll@sunengineering.us
3.	Jose Mattei	Director of Operations	602-997-6800	jmattei@sunengineering.us
Firm Professional Registration and Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)				
	Description	Issuer	Number	Expiration
1.	Arizona Board of Technical Registration	State of Arizona	15742	4/15/18
2.	Arizona transaction privilege tax license or (if applicable) Arizona Corporate Commission Certificate of Good Standing	State of Arizona		

End of Attachment 2-B

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Attachment 3-B
Key Personnel Proposal

Answer all questions thoroughly in the spaces provided. **Complete this form in full for each one of the key personnel who will participate in this contract.** Insert or attach a separate resume if desired, but any attached resumes are supplemental to this form and **do not substitute resumes for this form.** Offeror shall list any resume filename within the Key Personnel Form resume section **and Attach as titled and submit with firm's offer in ProcureAZ. Resumes shall not be listed in Attachment 3-B as Supplements.**

1	Name:	Ken Pratt	How long with company?	9 years
	Current position in company:	President/CEO	How long in position?	9 years
	Position for the Services:	Project Manager	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned?	Project Manager		
	Describe person's experience in performing services like those that are to be assigned:	Mr. Pratt has served as project manager on several successful projects. He served as the MEP project manager for the Phoenix Sky Train Project. The project was constructed for more than 1 billion dollars. He also served as project manager for LEED Silver Certified northern Arizona Cemetery in Belmonte Arizona.		




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<p>List person's job-related training and education:</p>	<p><u>TRAINING & EDUCATION</u></p> <p>Program Management – The Process Training Master's Business of Administration (MBA) Degree Bachelor of Science Electrical Engineering Degree</p> <p><u>PROJECTS</u></p> <p>City of Avondale, Old City Hall Building Remodel, Avondale, AZ. Served as Project Manager responsible for directing the design of all mechanical, plumbing and electrical services. Duties included coordinating with design team, integrating the MP&E design into the overall remodel.</p> <p>Arizona Department of Administration, Phoenix, AZ. Served as Project Manager responsible for providing electrical support for the elevator upgrade by reviewing the circuit capacities, designing new light fixtures in the machine room and providing new GFCI receptacles.</p>
<p>Resume:</p>	<p>List filename Ken Pratt Resume 2017</p>

2	Name:	Thomas Moll	How long with company?	9 years
	Current position in company:	Director of Engineering	How long in position?	9 years
	Position for the Services:	Electrical Engineer	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned?	Responsible for electrical design engineering. He will review electrical designer's drawing and calculations to ensure that the drawings and calculations are current to the latest version of the national electric code (NEC).		
	Describe person's experience in performing services like those that are to be assigned:	Mr. Moll's experience includes design of overall electrical systems for high, medium, and low voltage distribution as well as power generating systems, electrical calculations for the support of the electrical designs for electrical projects. Projects have been completed in the Commercial, Municipal, Industrial arenas.		

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List person's job-related training and education:	<p><u>TRAINING & EDUCATION</u></p> <p>Active Member Institute of Electrical & Electronic Engineers Licensed Professional Electrical Engineer: AZ, CA, CO, GA, NV Bachelor of Science Electrical Engineering Degree</p> <p><u>PROJECTS</u></p> <p>Light Rail Transportation System, Phoenix, AZ. Electrical Engineering Manager responsible for electrical design of the 240/120VAC, single phase, electrical system. Also responsible for coordination of the station platform finishes and associated line sections with all of the design team members.</p> <p>City of Goodyear Fire Station #1. Electrical Engineer responsible for conducting a load analysis to determine the minimum size diesel generator required to handle the new load. Had to re-work the existing SES to install a new 1200 amp main breaker and the associated automatic transfer switch.</p> <p style="text-align: right;">Resume: Tom Moll Resume 2017</p>
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3	Name: John Hawe	How long with company?	3 years
	Current position in company:	How long in position?	3 years
	Position for the Services:	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned? Responsible for mechanical design engineering. He will review mechanical designer's drawing and calculations to ensure that the drawings and calculations are current to the latest version of the mechanical and plumbing codes.		
	Describe person's experience in performing services like those that are to be assigned: Mr.Hawe has extensive background supervising the design of HVAC and plumbing systems for Commercial and Residential Projects for new and renovated facilities. His experience is extensive in the area of Mechanical Engineering, HVAC, Plumbing, Construction Observation and Supervision. Mr. Hawe has completed projects for Industrial, Commercial, Education, and Manufacturing Facilities. He has been responsible for Mechanical scope of projects from Design Development thru Construction and Commissioning.		

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<p>List person's job-related training and education:</p>	<p><u>TRAINING & EDUCATION</u></p> <p>Professional Affiliations American Society of Mechanical Engineers American Society of Heating, Refrigeration, and Air Conditioning Engineers American Society of Plumbing Engineers Bachelor of Science Mechanical Engineering Degree Associates of Computer Science Degree</p> <p><u>PROJECTS</u></p> <p>Arizona Department of Administration – 2910 Elevator Modernization, Phoenix, Arizona: Provided mechanical design for the elevator machine room. Designed machine room to accommodate a new split system with controls.</p> <p>Arizona Department of Administration – Senate Building Cooling Coil Design, Phoenix, Arizona: Provided new design for cooling coils at the Arizona State Senate building. Provide calculations and detail drawings for new cooling coils.</p>
<p>Resume:</p>	<p>John Hawe Resume 2017</p>

4	Name:	Miro Grbic	How long with company?	9 years
	Current position in company:	Fire Protection Engineer	How long in position?	9
	Position for the Services:	Fire Protection/Mechanical Engineer	How much of time will be dedicated to the Services?	25%
	What primary functions will be assigned?	Responsible for fire protection design engineering. He will design all drawings and perform calculations that relate to fire protection plans. He will also support the mechanical and plumbing engineering team by design or reviewing drawings per the Principal Mechanical Engineer.		
	Describe person's experience in performing services like those that are to be assigned:	Mr. Grbic has extensive background and recognition in areas of Energy Conservation measures and designs for new and renovated facilities. His experience is extensive in the area of Mechanical Engineering, Plumbing and Fire Protection, Construction Observation and Supervision. He uses his expertise to design projects that meet or exceed client's objectives. His designs incorporate the newest technology needed for energy conservation and safety in the most cost-effective manner. Mr. Grbic has completed projects for Industrial, Commercial, Education, and Manufacturing Facilities for the HVAC, domestic plumbing, process piping and fire sprinkler systems.		

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<p>List person's job-related training and education:</p>	<p><u>TRAINING & EDUCATION</u> Professional Affiliations American Society of Mechanical Engineers American Society of Heating, Refrigeration, and Air Conditioning Engineers American Society of Plumbing Engineers Bachelor of Science Mechanical Engineering Degree</p> <p><u>PROJECTS</u> Terminal 4 Expansion, Phoenix Sky Harbor International Airport, Phoenix, Arizona: Mechanical Engineer, responsible for providing fire protection engineering and design services for this facility expansion. Also, design services for wet Sprinkler systems for the checkpoint located above Sky Harbor Boulevard, at the passenger level, on the north side of the terminal. Sprinkler systems are of ordinary and extra hazard classification.</p> <p>Maricopa County Human Services Campus, Phoenix, Arizona: Mechanical Engineer responsible for providing mechanical and fire protection engineering and design services for this multiple building/occupancy (Residential, Group Home, Medical and Office Facilities) project. Engineering Design Services (mechanical, plumbing and fire protection engineering) were performed for this new multi-agency campus consisting of a 150,000 sq./ft. of building space, 68,000 sq./ft. of plaza courts and 132,000 sq./ft. of parking space.</p>
<p>Resume</p>	<p>Miro Grbic Resume 2017</p>



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5	Name:	Jose Mattei	How long with company?	9 years
	Current position in company:	Production Manager /Energy Engineer	How long in position?	9
	Position for the Services:	Production Manager	How much of time will be dedicated to the Services?	25%
	What primary functions will be assigned?	Responsible for ensuring that all of the drawings (electrical, mechanical & plumbing and fire protection) are designed to the standards of Sun Engineering. He will coordinate with the Director of Engineering to make sure that the drawings go out to the client well.		
	Describe person's experience in performing services like those that are to be assigned:	Mr. Mattei's experience includes design of overall electrical systems for high, medium, and low voltage distribution as well as power generating systems, electrical calculations for the electrical design. Mr. Mattei also designs and prepares single lines and load calculations for mechanical and electrical loads, voltage drop calculations for long power feeds and fire alarm devices. He has experience performing design on Building Energy Management Systems with HVAC, Lighting, etc.		
	List person's job-related training and education:	<p><u>TRAINING & EDUCATION</u></p> <p>AMCA Associated Minority Contractors Association APWA American Public Works Association IEEE Institute of Electrical & Electronic Engineers AEE Association of Energy Engineers Certified Energy Manager (CEM) Bachelor of Science Electrical Engineering Degree</p> <p><u>PROJECTS</u></p> <p>Roosevelt Elementary School District, Energy Audit, Phoenix, Arizona: Performed energy audit of the whole school district. There were 27 schools and each school was assessed. New HVAC units were recommended along with new LED lighting which caused a savings of more than \$500,000 over a seven (7) year period.</p> <p>North Pioneer Charter School, Flagstaff, Arizona: Electrical Designer to include documents showing a revised single line diagram, service entrance equipment locations, Panel board schedules, building interior / emergency Lighting, for existing building at the school.</p>		
	Resume:	Jose Mattei Resume 2017		

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Attachment 3-E Israel Boycott Form

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract. Recently legislation has been enacted to prohibit the state from contracting with companies currently engaged in a boycott of Israel. To ensure compliance with A.R.S. §35-393.01. This form must be completed and returned with the response to the solicitation and any supporting information to assist the State in making its determination of compliance.

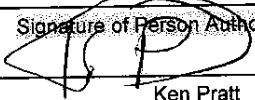
As defined by A.R.S. §35-393.01:

1. "Boycott" means engaging in a refusal to deal, terminating business activities or performing other actions that are intended to limit commercial relations with Israel or with persons or entities doing business in Israel or in territories controlled by Israel, if those actions are taken either:
 - (a) in compliance with or adherence to calls for a boycott of Israel other than those boycotts to which 50 United States Code section 4607(c) applies.
 - (b) in a manner that discriminates on the basis of nationality, national origin or religion and that is not based on a valid business reason.
2. "Company" means a sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company or other entity or business association, and includes a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate.
3. "Direct holdings" means all publicly traded securities of a company that are held directly by the state treasurer or a retirement system in an actively managed account or fund in which the retirement system owns all shares or interests.
4. "Indirect holdings" means all securities of a company that are held in an account or fund, including a mutual fund, that is managed by one or more persons who are not employed by the state treasurer or a retirement system, if the state treasurer or retirement system owns shares or interests either:
 - (a) together with other investors that are not subject to this section.
 - (b) that are held in an index fund.
5. "Public entity" means this State, a political subdivision of this STATE or an agency, board, commission or department of this state or a political subdivision of this state.
6. "Public fund" means the state treasurer or a retirement system.
7. "Restricted companies" means companies that boycott Israel.
8. "Retirement system" means a retirement plan or system that is established by or pursuant to title 38.

All offerors must select one of the following:

- My company does not participate in, and agrees not to participate in during the term of the contract a boycott of Israel in accordance with A.R.S. §35-393.01. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.
- My company does participate in a boycott of Israel as defined by A.R.S. §35-393.01. :

By submitting this response, proposer agrees to indemnify and hold the State, its agents and employees, harmless from any claims or causes of action relating to the State's action based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by the State in defending such an action.

Sun Engineering, LLC	Signature of Person Authorized to Sign
600 W Hatcher Rd.	 Ken Pratt
Phoenix AZ 85021	President/ CEO

End of Attachment 3-E

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Attachment 5-A Confidential Information Designation

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract. Recognizing there may be materials included in a solicitation response that are proprietary or a trade secret, a process is set out in A.A.C. R2-7-103 (copy attached) that will allow qualifying materials to be designated as confidential and excluded from disclosure. For purposes of this process the definition of "trade secret" will be the same as that set out in A.A.C. R2-7-101(52).

Complete this form return it with your Offer along with the appropriate supporting information to assist State in making its determination as to whether any of the materials submitted as part of your Offer should be designated confidential because the material is proprietary or a trade secret and therefore not subject to disclosure.

STATE WILL NOT CONSIDER ANY MATERIAL IN YOUR OFFER "CONFIDENTIAL" UNLESS DESIGNATED ON THIS FORM.

Check one of the following – if neither is checked, State will assume that as equivalent to "DOES NOT":

<input checked="" type="radio"/>	This response DOES NOT contain proprietary or trade secret information. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.
<input type="checkbox"/>	This response DOES contain trade secret information because it contains information that: <ol style="list-style-type: none"> 1. Is a formula, pattern, compilation, program, device, method, technique or process, AND 2. Derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; AND 3. Is the subject of efforts by myself or my organization that are reasonable under the circumstances to maintain its secrecy.

NOTE: Failure to attach an explanation may result in a determination that the information does not meet the statutory trade secret definition. All information that does not meet the definition of trade secret as defined by A.A.C. R2-7-101(52) will become public in accordance with A.A.C. R2-7-C317. State may make its own determination on materials in accordance with A.A.C. R2-7-103.

If State agrees with Offeror's designation of trade secret or confidentiality and the determination is challenged, the undersigned hereby agrees to cooperate and support the defense of the determination with all interested parties, including legal counsel or other necessary assistance.

By submitting this response, Offeror agrees that the entire Offer, including confidential, trade secret and proprietary information may be shared with an evaluation committee and technical advisors during the evaluation process. Offeror agrees to indemnify and hold State, its agents and employees, harmless from any claims or causes of action relating to State's withholding of information based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by State in defending such an action.

Sun Engineering, LLC

Offeror Company Name
 600 W Hatcher Rd
 Address

Signature of Authorized Person
 Ken Pratt
 Printed Name

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	<p align="center">Request for Qualifications Solicitation No. ADSP018-00007887 Description: 2018 Professional Services List</p>	<p align="right">Arizona Department of Administration State Procurement Office 100 N 15th Ave., Suite 201 Phoenix, AZ 85007</p>
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Phoenix, Arizona 85021

President /CEO

City	State	Zip	Title
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ATTACHMENT 5-A SUPPLEMENTS:

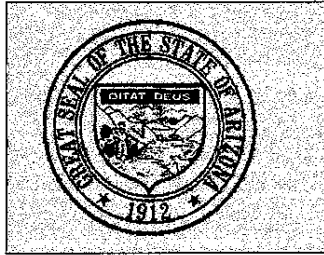
(Offeror to insert as required and list here or type "None" on first line. Offeror shall title any Supplement(s) with the same title as named herein and upload with offer.)

	Title	Document Date	No. of pages	Purpose in Offer
1.	NONE	x	x	x
2.	Enter or delete row if not needed			
3.	Enter or delete row if not needed			

End of Attachment 5-A

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Attachment 5-B
Conformance Statements

STATE WILL NOT CONSIDER ANY EXCEPTIONS UNLESS DESIGNATED ON THIS FORM.

READ THE INSTRUCTIONS TO OFFERORS BEFORE TAKING ANY EXCEPTIONS – TAKING EXCEPTIONS CAN BE
 GROUNDS FOR STATE REJECTING YOUR OFFER IN EVALUATION.

CONFORMANCE TO THE INSTRUCTIONS:
(PART 1 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to "YES":

- YES – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents and the and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents, and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 1**.

CONFORMANCE TO THE CONTRACT TERMS AND CONDITIONS:
(PART 2 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to "YES":

- YES – Offeror acknowledges that it has read and understands the Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices, in Part 2 of the Solicitation Documents and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices in Part 2 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 2**.

CONFORMANCE TO THE TECHNICAL DOCUMENTS:
(PART 3 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to "YES":

- YES – Offeror acknowledges that it has read and understands the Requirements Document and the Compensation Document in Part 3 of the Solicitation Documents and attests that its Offer complies with both.

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NO – Offeror acknowledges that it has read and understands the Requirements Document and the Compensation Document, in Part 3 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 3**.

**ATTACHMENT 5-B Supplement No. 1:
 Exceptions to Instructions**

Article / Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 1-A: Solicitation Summary		
x	x	x
x	x	x
x	x	x
Section 1-B: Instructions to Offerors		
x	x	x
x	x	x
x	x	x

**ATTACHMENT 5-B Supplement No. 2:
 Exceptions to Contract Terms & Conditions**

Article/ Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-A: Special Terms & Conditions		
x	x	x
x	x	x
x	x	x

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Article/ Paragraph or Appendix Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-B: Uniform Terms & Conditions		
X	x	x
X	x	x
X	x	x

ATTACHMENT 5-B Supplement No. 3:
Exceptions to Technical and Commercial

Article / Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-A Scope of Work (Requirements Document)		
x	x	x
x	x	x
x	x	x
Section 2-B: Compensation Document		
x	x	x
x	x	x
x	x	x

Company Name Sun Engineering LLC

Signature of Person Authorized to Sign

End of Attachment 5-B

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**Attachment 5-D
 Offer Checklist**

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT SUBMIT ALL ATTACHMENTS.

	DOCUMENT	SUBMITTED
1.	Attachment 1: Offer and Acceptance Form - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
2.	Attachment 2-A: Experience and Capacity	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
3.	Attachment 2-A: References	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
4.	Attachment 2-B: Organization Profile	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
5.	Attachment 3-A: Method Proposal – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
6.	Attachment 3-B: Key Personnel Proposal	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
7.	Attachment 3-C: Proposed Subcontractors – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
8.	Attachment 3-D: Performance Guarantee – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
9.	Attachment 3-E: Israel Boycott Form - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
10.	Attachment 4: Pricing Sheet – RESERVED FOR AWARD	<input type="checkbox"/> YES, <input checked="" type="checkbox"/> no
11.	Attachment 5-A: Confidential Information Designation - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
12.	Attachment 5-B: Conformance Statements - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
13.	Attachment 5-C: Insurance Evidence – RESERVED FOR AWARD	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> no
14.	Attachment 5-D: Offer Checklist	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
15.	.pdf File: Number of Projects and Revenue	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
16.	Excel File: 2018 Professional Services List of Firms Services	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no

End of Attachment 5-D

End of Part 4

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ADSP018-00007887 Project Experience Number of Projects and Revenue
ADSP018-00007693 2018 Professional Services Qualifications List

FIRMS NAME: SUN ENGINEERING LLC

TYPE OF PROJECT	TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non-government projects only	TYPE OF PROJECT	TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non-government projects only
Acoustics, Noise Abatement				Land Surveying			
Activity Centers	1		1	Landscape Architecture			
Aerial Photography; Airborne Data and Imagery Collection and Analysis				LEED Accredited A/E	2	2	
Agricultural Development; Grain Storage; Farm Mechanization	1		1	LEED Independent 3rd Party Building Commissioning			
Air Pollution Control				Libraries; Museums; Galleries			
Airports; Navaids; Airport Lighting; Aircraft Fueling	1	1		Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	10	5	5
Airports; Terminals and Hangars; Freight Handling	2		2	Lighting (Interior; Display; Theater, Etc.)	75	20	55
Animal Facilities				Lighting (Cave; Cavern)			
Anti-Terrorism/Force Protection				Mapping Location/Addressing Systems			
Area Master Planning				Materials Handling Systems; Conveyors; Sorters			
Auditoriums and Theaters	2		2	Materials Testing			
Automation; Controls; Instrumentation	2		2	Measurement / Verification / Conservation Water Consumption			
Barracks; Dormitories				Medical Related			
Bridge Design: Bridges				Metallurgy			
Cartography				Mining and Mineralogy			
Cemeteries (Planning and Relocation)	2	2		Modular Systems Design; Pre-Fabricated Structures or Components			
Chemical Processing and Storage				Mold Investigation			
Child Care/Development Facilities				Museums			
Codes; Standards; Ordinances				Nuclear Facilities; Nuclear Shielding			
Cold Storage; Refrigeration and Fast Freeze				Office Buildings; Industrial Parks	60	10	50
Commercial Building (Low Rise); Shopping Centers	40		40	Outdoor Recreation	6	3	3
Communications Systems; TV; Microwave				Petroleum and Fuel (Storage and Distribution)			
Community Facilities	4		4	Phase I Environmental			
Computer Facilities	2	2		Photogrammetry			
Conservation and Resource Management				Pipelines (Cross-Country - Liquid and Gas)			
Construction Management	45	5	40	Plumbing and Piping Design	25	5	20

Professional Services Revenue
Index Number

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,00
4. \$500,000 to less than \$1 Million
5. \$1 Million to less than \$2 Million
6. \$2 Million to less than \$5 Million
7. \$5 Million to less than \$10 Million
8. \$10 Million to less than \$25 Million
9. \$25 Million to less than \$50 Million
10. \$50 Million or greater

Construction Materials Testing				Pneumatic Structures, Air-Support Buildings			
Construction Surveying				Power Generation, Transmission, Distribution	2		2
Controls and Electronics Engineer	2		2	Prisons and Correctional Facilities	1	1	
Corrosion Control; Cathodic Protection Electrolysis				Product, Machine Equipment Design			
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	25	5	20	Public Safety Facilities			
Cryogenic Facilities				Radar; Sonar; Radio and Radar Telescopes			
Dams (Concrete; Arch)				Radio Frequency Systems and Shieldings			
Dams (Earth; Rock); Dikes; Levees				Railroad; Rapid Transit			
Desalinization (Process and Facilities)				Recreation Facilities (Parks, Marinas, Etc.)	2	1	1
Design & Planning Structured Parking Facilities				Refrigeration Plants/Systems			
Design-Build - Preparation of Requests for Proposals	2	2		Rehabilitation (Buildings; Structures; Facilities)			
Detention Security Systems	2	1	1	Research Facilities			
Digital Elevation and Terrain Model Development				Resources Recovery; Recycling			
Digital Orthophotography				Rivers; Canals; Waterways; Flood Control			
Dining Halls; Clubs; Restaurants	20		20	Roof Infrared Imaging to Identify Water Leaks			
Disability / Special Needs				Roofing			
Dredging Studies and Design				Safety Engineering; Accident Studies; OSHA Studies			
Ecological and Archeological Investigations				Security Systems; Intruder and Smoke Detection	1		1
Educational Facilities; Classrooms	3		3	Seismic Designs and Studies			
Electrical Studies and Design	85	10	75	Sewage Collection, Treatment and Disposal			
Electronics				Soils and Geologic Studies; Foundations			
Elevators; Escalators; People-Movers	5	5		Solar Energy Utilization			
Energy / Water Auditing Savings				Solid Wastes; Incineration; Landfill			
Energy Conservation; New Energy Sources	2	2		Special Environments; Clean Rooms, Etc.			
Environmental Impact Studies, Assessments or Statements				Specifications Writing			
Fallout Shelters; Blast-Resistant Design				Storm Water Handling and Facilities			
Fire Protection	6	5	1	Structural Design; Special Structures			
Fisheries; Fish Ladders				Surveying; Platting; Mapping; Flood Plain Studies			
Forensic Engineering				Sustainable Design			
Garages; Vehicles Maintenance Facilities; Parking	6	2	4	Swimming Pools			
Gas Systems (Propane; Natural, Etc.)				Testing and Inspection Services			
Geodetic Surveying: Ground and Airborne				Topographic Surveying and Mapping			
Heating; Ventilating; Air Conditioning	25	5	20	Towers (Self-Supporting and Guyed Systems)			
Highways; Streets; Airfield Paving; Parking Lots	3	3		Toxicology			
Historical Preservation				Traffic and Transportation Engineering			
Hospital and Medical Facilities	4		4	Traffic Studies			
Hotels; Motels	3		3	Transportation			
Housing (Residential, Multi-Family; Apartments; Condominiums)	30		30	Tunnels and Subways			
Hydraulics and Pneumatics				Urban Renewals; Community Development			
Hydrographic Surveying				Utilities (Gas and Steam)			
Industrial Buildings; Manufacturing Plants	2		2	Value Analysis; Life-Cycle Costing			
Industrial Processes; Quality Control				Warehouse and Depots			

Industrial Waste Treatment				Waste Water Treatment Facility			
Intelligent Transportation Systems				Water Resources; Hydrology; Ground Water			
Infrastructure				Water Supply; Treatment and Distribution			
Irrigation; Drainage				Water Well Rehabilitation; Water Well Work			
Judicial and Courtroom Facilities				Wind Tunnels; Research/Testing Facilities Design			
Laboratories; Medical Research Facilities				Zoning; Land Use Studies			
Labs - General							
Labs - Research - Dry							
Labs - Research - Wet							



Sun Engineering, LLC

Electrical, Mechanical & Plumbing Engineers

600 West Hatcher, Suite 200, Phoenix, AZ. 85021, Phone 602-997-6803, Fax: 602-997-6805

Chief Mechanical Engineer: John Hawe



Mr. Hawe has experience in designs for new and renovated facilities. His experience is extensive in the area of Mechanical Engineering, HVAC and Plumbing, Construction Observation and Supervision. He uses his expertise to design projects that meet or exceed client's objectives. His designs incorporate the newest technology needed for energy conservation and safety in the most cost-effective manner.

Years:

Sun: 2
Other firms: 30

Registration

AZ PE

Education:

B.S.
Mechanical
Engineering

Education:

Ohio Northern University Ada Ohio- Bachelor of Science Mechanical Engineering
Pima College Tucson Arizona- Computer Science

- **Interagency Building Project** Lake Havasu Arizona: Mechanical Engineer, responsible for providing mechanical and plumbing design services for this facility remodel. Design included new ductwork layout HVAC calculation and plumbing isometrics.
- **ADOA Capital Mall- Elevator Modernization**, Phoenix, Arizona: Mechanical Engineer responsible for providing HVAC design services in the elevator room and also provided damper to control cooling in the elevator cab.



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Principal – Director of Operations: Jose Mattei



Mr. Mattei's experience includes design of overall electrical systems for high, medium, and low voltage distribution as well as power generating systems, electrical calculations for the electrical design. Mr. Mattei also designs and prepares single lines and load calculations for mechanical and electrical loads, voltage drop calculations for long power feeds and fire alarm devices. He has experience performing design on Building Energy Management Systems with HVAC, Lighting, etc.

Years:

Sun: 8
Other firms: 19

Education

BSEE – 1991

Education:

University of New Mexico – Bachelor Science Electrical Engineering – 1991

Professional Affiliations:

AMCA Associated Minority Contractors Association
APWA American Public Works Association
IEEE Institute of Electrical & Electronic Engineers

- **Roosevelt Elementary School District, Energy Audit** Winslow, Arizona: Electrical Designer to provide new electrical meter/power service pedestal, electrical connections to service entrance system (SES) for a new building on campus.
- **North Pioneer Charter School**, Flagstaff, Arizona: Electrical Designer to include documents showing a revised single line diagram, service entrance equipment locations, Panel board schedules, building interior / emergency Lighting, for existing building at the school.
- **Automated Train (AT), Phoenix Sky Harbor International Airport**, Phoenix, Arizona. Program Manager responsible for directing the design of all mechanical, plumbing and electrical (MP&E) services. Duties included coordinating with design team, integrating the MP&E design into the overall AT system and managing sub-consultant firms.



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Electrical, Mechanical & Plumbing Engineers

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Principal – President: Ken Pratt



Mr. Pratt started Sun Engineering in January 2008. Before starting Sun Engineering LLC, Mr. Pratt was Executive Vice President and the Phoenix branch Office Manager for Dinter Engineering. Ken has over 18 years of engineering experience in design and program management. Ken has been involved with transit, commercial, private and municipal projects throughout the valley.

Years:

Sun: 8
Other firms: 17

Education

BSEE – 1990
MBA – 2001

One of Mr. Pratt's more recent assignments with Sun Engineering was as Program Manager for the design of an Interstate Battery facility in Peoria, Arizona. The project involved designing the entire electrical system (lighting & power) and the mechanical & plumbing system as well.

Education:

University of Phoenix, Phoenix, AZ – Master Business Administration – 2001

Southern University, Baton Rouge, La – Bachelor Science Electrical Engineering – 1990

Professional Affiliations:

AMCA Associated Minority Contractors Association
APWA American Public Works Association
COMTO Consortium of Minority Transportation Officials

- **City of Avondale, Old City Hall Building Remodel**, Avondale, Arizona. Project Manager/Electrical Designer responsible for directing the design of all mechanical, plumbing and electrical (MP&E) services. Duties included coordinating with design team, integrating the MP&E design into the overall remodel AT system and managing sub-consultant firms.
- **Arizona Department of Administration**, Phoenix, Arizona: Project Manager/Electrical Designer responsible for providing electrical support for the elevator upgrade by reviewing the circuit capacities, designing new lighting fixtures in the machine room, shaft and providing new GFCI receptacles.
- **City of Goodyear Park**, Goodyear, Arizona: Project Manager/Electrical Designer responsible for designing ball field lights, providing power at the pool facility and concession stands. I coordinated all of the electrical and mechanical & plumbing work with the architect.



Sun Engineering, LLC

Electrical, Mechanical & Plumbing Engineers

600 West Hatcher, Suite 200, Phoenix, AZ. 85021, Phone 602-997-6803, Fax: 602-997-6805

Senior Mechanical & Fire Protection Engineer: Miro Grbic



Years:

Sun: 8

Other firms: 18

Registration

AZ PE

AZ PE

Education

BSEE – 1980

Mr. Grbic has extensive background and recognition in areas of Energy Conservation measures and designs for new and renovated facilities. His experience is extensive in the area of Mechanical Engineering, Plumbing and Fire Protection, Construction Observation and Supervision. He uses his expertise to design projects that meet or exceed client's objectives. His designs incorporate the newest technology needed for energy conservation and safety in the most cost-effective manner. Mr. Grbic has completed projects for Industrial, Commercial, Education, and Manufacturing Facilities for the heating, ventilating, air conditioning, domestic plumbing, process piping and fire sprinkler systems.

Education:

University of Sarajevo, Bosnia – Bachelor Science Mechanical Engineering – 1980.

- **Terminal 4 Expansion, Phoenix Sky Harbor International Airport**, Phoenix, Arizona: Mechanical Engineer, responsible for providing fire protection engineering and design services for this facility expansion. Also, design services for wet Sprinkler systems for the checkpoint located above Sky Harbor Boulevard, at the passenger level, on the north side of the terminal. Sprinkler systems are of ordinary and extra hazard classification.
- **Maricopa County Human Services Campus**, Phoenix, Arizona: Mechanical Engineer responsible for providing mechanical and fire protection engineering and design services for this multiple building/occupancy (Residential, Group Home, Medical and Office Facilities) project. Engineering Design Services (mechanical, plumbing and fire protection engineering) were performed for this new multi-agency campus consisting of a 150,000 sq./ft. of building space, 68,000 sq./ft. of plaza courts and 132,000 sq./ft. of parking space.



Sun Engineering, LLC

Electrical, Mechanical & Plumbing Engineers

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Principal – Director of Engineering: Tom Moll



Mr. Moll has more than 25 years of engineering experience from various electrical engineering and architectural firms. He has performed all phases of electrical engineering including design, scheduling, estimating, submittal review, field inspections, overseeing staff and drafters, and system installation.

Mr. Moll is the Chief Electrical Engineer and manager of the Electrical Department for Sun Engineering. He has designed all types of electrical systems including high, medium and low voltage applications, street lighting, traffic signals, security, telephone, local area network (LAN), fiber optics, information display, and fire alarm systems, power distribution, building electrical systems, and roadway and interior lighting. Mr. Moll's experience includes design of overall electrical systems for high, medium, and low voltage distribution as well as power generating systems, electrical calculations for the support of the electrical designs for electrical Projects.

Years:

Sun: 8
Other firms: 35

Registration

AZ PE: 33902

Education

BSEE – 1975

Education:

Pennsylvania State University, Harrisburg, Pennsylvania – Bachelor Science Electrical Engineering – 1975

Professional Affiliations:

APWA American Public Works Association
IEEE Institute of Electrical & Electronic Engineers

- **Light Rail Transportation System**, Phoenix, Arizona: Electrical Project Manager responsible for the electrical design of the 240/120VAC, single phase, electrical system. Also responsible for coordination of the station platform Finishes and associated line sections with all of the design team members.
- **City of Goodyear Fire Station #1**, Goodyear, Arizona: Electrical Engineer responsible for conducting a load analysis to determine the minimum size diesel generator required to handle the new load. The existing SES had to be reworked to install a new 1200 Amp main Breaker and the associated automatic transfer switch (ATS) had to be upgraded to match the current rating of the SES equipment.
- **City of El Mirage Street Lighting Project**, El Mirage, Arizona: Electrical Engineer responsible for working with designer to determine pole locations, helped to perform photometrics and load calculations. Also, verified and stamped all drawings.

SAM Search Results
List of records matching your search for :

Search Term : sun* engineering* llc*
Record Status: Active

ENTITY SUN ENGINEERING LLC	Status:Active
DUNS: 829538573 +4:	CAGE Code: 5BRT7 DoDAAC:
Expiration Date: Mar 23, 2018	Has Active Exclusion?: No Debt Subject to Offset?: No
Address: 600 WEST HATCHER ROAD, SUITE 200	
City: PHOENIX	State/Province: ARIZONA
ZIP Code: 85021-2590	Country: UNITED STATES



Arizona State Board of Technical Registration

Firm Search Results

Name	City	State	Services/Discipline	Business Type	Registration Status
Sun Engineering, LLC	Phoenix	AZ	Electrical, Mechanical	Firm Registration	Active

1

New Search

Display Result: 10 ▾



Arizona State Board of Technical
Registration

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