



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

Offer Forms
 (Attachments)

Date: **January 23, 2018**

ATTACHMENT 1..... OFFER AND ACCEPTANCE FORM2
 ATTACHMENT 2-A... EXPERIENCE AND CAPACITY3
 1.0 FIVE (5) EXAMPLE PROJECTS3
 ATTACHMENT 2-A... EXPERIENCE AND CAPACITY 10
 2.0 EMPLOYEES BY DISCIPLINE..... 10
 3.0 FIRMS EXPERIENCE AND REVENUE 12
 4.0 FIRMS SERVICES 12
 5.0 EXPERIENCE REFERENCES:..... 13
 ATTACHMENT 2-B... ORGANIZATION PROFILE 15
 ATTACHMENT 3-A... METHOD PROPOSAL..... 17
 ATTACHMENT 3-B... KEY PERSONNEL PROPOSAL..... 18
 ATTACHMENT 3-C ... PROPOSED SUBCONTRACTORS31
 ATTACHMENT 3-D ... PERFORMANCE GUARANTEE.....32
 ATTACHMENT 3-E... ISRAEL BOYCOTT FORM33
 ATTACHMENT 4..... PRICING SHEET34
 ATTACHMENT 5-A... CONFIDENTIAL INFORMATION DESIGNATION.....35
 ATTACHMENT 5-B... CONFORMANCE STATEMENTS38
 ATTACHMENT 5-C ... INSURANCE EVIDENCE41
 ATTACHMENT 5-D ... OFFER CHECKLIST.....42

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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

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.	01/23/2018	RN				
		date	initial				

Narasimhan Consulting Services, Inc.
(dba) NCS Engineers/Delta Systems
Engineering

Ramesh Narasimhan

RN

Offeror company name

Signature of person authorized to sign Offer Initials

202 E. Earll Drive, suite 110

Ramesh Narasimhan, President

Address

Printed name and title

Phoenix, AZ 85012

Ramesh Narasimhan, President

City | State | ZIP

Contact name and title

86-1003779

ram@ncseng.com

602-629-0206

Federal tax identifier (EIN or SSN)

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 01/23/2018 (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

Sean Wulfekuhle

Procurement Officer signature

Sean Wulfekuhle

Procurement Officer printed name

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

	<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-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	Structure
Corporation	S Corporation or C Corporation, or Professional Corporation
Cooperative	Cooperative
Partnership	General Partnership, Limited Partnership, Limited Liability Partnership, Limited Liability Limited Partnership
Sole Proprietor	Sole Proprietor
Limited Liability Company	Limited Liability Company or Professional 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.](#))

- Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
- 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).
- Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
- Provide the original budget or not to exceed dollar amount for the project.
- 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.
- 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.

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

Date: January 8, 2018
Page 3 of 42



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

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
Chinle Wells 2,3 and 4 Equipping, Navajo Tribal Utility Authority	2012	2014	Navajo Tribal Utility Authority (NTUA)	\$460,000 (Engineering Budget)	\$7.2M (Construction)	<p>Scope - NCS provided preliminary and final design services for equipping these three wells with a combined capacity of 1,450 gpm. These 200 foot deep wells were hydraulically modeled for integration into the treatment plant and distribution system. Each of the wells have an 18-inch casing and a 100 HP motor. The well design featured a vertical lineshaft configuration with turbine pumps and a water lubricated system. The upgrades include a electrical service, well lube apparatus, 12 inch well header, flow meter, and SCADA interface.</p> <p>Size - 450 gpm each Length of Project - 3 years Value Added - No change orders, Reduced overall costs by optimized design concepts, Project under budget, Corrected design issues from a prior project/consultant</p>
City of Avondale On-Call Agreement	2016	2017	City of Avondale	\$1.1 M (Engineering)	\$1.1 M (Construction)	<p>Scope - Water Quality Master Plan NCS developed a Master Plan to mitigate drinking water quality issues. Based on the results of the evaluation, treatment technologies were selected and a CIP was identified to mitigate these constituents. Several processes, depending on the well site, were identified for implementation, these included GAC, ion exchange (IX), RO, and coagulation/filtration (CF) technologies along with blending.</p> <p>Gateway Treatment Facility Expansion - NCS was the prime design firm for the 1700 gpm expansion to this nitrate treatment plant that will include a new 3-vessel Ion Exchange system, prefilters, site expansion, brine tanks, backwash and waste tanks, controls, pumping systems, and civil/site elements. The \$4M project includes a custom designed system with upflow regeneration and air scour features.</p> <p>Pilot Testing of Innovative Nitrate Treatment Processes - This recent project independently evaluated emerging</p>



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ADSP018-00007887
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2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
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 Phoenix, AZ 85007

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						<p>technologies for nitrate removal such as biological (MB-N2 system) and electrochemical denitrification (ECD) to treat nitrate, while reducing waste streams and utilizing brine recycling. The six-month testing program at indicated that IX brine with ECD can be reused 9 times thereby reducing waste brine volumes by almost 90%. The MB-N2 removal system achieved treated water nitrate levels below 2 mg/l without generating any waste brine.</p> <p>Steel Tank Rehabilitation - NCS designed improvements and managed construction for the coating and structural rehabilitation of two 0.6 MG steel tanks (Northside) and 1.75 MG tank (Rancho Santa Fe).</p> <p>Length of Project - 3 years Value Added - Value engineering, specialized treatment design skills and expertise, minimal change orders.</p>
Global Water Resources On-Call Agreement	2017	2017	Global Water	\$510,000	\$510,000	<p>Scope – As Global's on call engineer NCS has been providing design and permitting services for several critical projects with key deadlines:</p> <p>Palo Verde WWTP Expansion serving the Town of Maricopa - NCS is providing preliminary design, final design and APP and Reuse permitting services for the 5 MG expansion of this facility. the innovative treatment concept uses an integrated fixed film activated sludge (IFAS) process, along with anoxic and aeration tanks, and clarifiers. The new process replaces the existing sequential batch process.</p> <p>Smith Enke Road Lift Station, Force Main, and Gravity Inlet Sewers - This design project includes a new "Pod" type manufactured sewage lift station with prefabricated steel wet wells, 14 and 24-inch force main tie-ins to mains on Smith Enke Road, a 24-inch inlet sewer to divert flows to various pods, ADEQ permitting activities for construction, Town of Maricopa permitting, and Section 404 Army Corps of</p>



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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						<p>Engineers permitting for the gravity inlet.</p> <p>Jack and Bore Pipeline Crossing - This project involves approximately 150 feet of 20 -inch water line crossing across the busy Smith-Enke Road to serve a housing development and includes surveying, geotechnical and design of jacking and receiving pits and the pipeline and sleeve.</p> <p>Delta Electrical Info – Delta provided electrical and controls system design for the Lift Station and accessories.</p> <p>Size – 5 MGD Length of Project – 1 year Value Added – Design-build, value engineering, specialized treatment design skills and expertise, zero change orders.</p>
<p>City of Phoenix Water System On-Call Engineering 2008-16</p>	<p>2016</p>	<p>2016</p>	<p>City of Phoenix</p>	<p>\$5.3 M</p>	<p>\$6.4 M (owner added scope items)</p>	<p>Scope – NCS has been actively involved with various project elements involving planning, pilot testing, hydraulic modeling, design and operational support at the City’s five surface WTPs and 100+ remote facilities.</p> <p>Regulatory Compliance Excellence Program (RCEP) For Water Remote Facilities - The project included chemical system and containment improvements at more than 80 well, booster, and tank sites. This program was developed to evaluate the chemical facilities and identify improvements necessary to comply with chemical handling, fire code, and hazardous materials and waste regulations.</p> <p>Steel Water Tank Improvements - Potable water tank modifications and improvements were made at 38 steel tanks in several phases. NCS performed field verification activities, tank assessments and inspections, prepared a Design Development Report, and developed tank maintenance guidelines. NCS subsequently designed the facilities, including off-site overflow piping, erosion control improvements, tank coating specifications,</p>



Request for Qualifications
 Solicitation No.
ADSP018-00007887
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2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

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						<p>cathodic protection systems, structural improvements, electrical and instrumentation systems, and permitting.</p> <p>Chlorination Facility Conversions at Multiple Sites - NCS provided design phase services for converting seven remote facility sites from an onsite sodium hypochlorite generating system (OSG) to a sodium hypochlorite solution storage tank, 0.8% sodium hypochlorite solution storage tank, bellows pump, field instruments to monitor solution level in the tanks, and reuse of the existing control panel from the OSG system to monitor and control the dilution system. At the City's request this was a fast track project, with a duration of 90 days.</p> <p>Concrete Reservoir Condition Assessment and Design - NCS conducted condition assessments of the 64th Street No. 2, 64th Street No. 4, Ray Road, and Val Vista No. 3 Reservoirs which considered the following factors: Civil/site and drainage issues, reservoir concrete walls, structural members, roof system, ventilation system, hopper bottom walls and floor, floor liner, leakage rates and piping. Four assessment reports with costs and recommendations were made to summarize the findings of the project. For the Val Vista #3 Reservoir, NCS also prepared design and construction documents for minor rehabilitation improvements identified in the assessment.</p> <p>Arsenic Treatment Rehabilitation Design - NCS performed a condition assessment of 16 treatment sites to identify repairs and rehabilitation needs to extend the service life of these assets. Types of repairs included coating and treatment vessel rehabilitation, and piping, valve and control system upgrades. NCS subsequently performed the design of these upgrades and is providing CM services as well.</p> <p>Water Modeling - NCS has performed several water/wastewater modeling tasks for the City over the past several years:</p>



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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						<ul style="list-style-type: none"> • Lake Pleasant WTP Delivery Hydraulic Optimization Model - NCS conducted an investigation to identify an operational strategy for the Lake Pleasant WTP and Union Hills WTP to optimize the water quality and costs. • Groundwater Management Plan Hydraulic Modeling - Hydraulic analysis provided shortage of supply and supply restriction information for emergency conditions. • Water Treatment Optimization and System Modeling & Water Quality Roadmap - NCS performed modeling to meet water quality goals with a focus on minimizing trihalomethane (THM) formation. • GIS Synchronization and Model Development - NCS provided a hydraulic modeling solution for the water and sewer systems that was in sync with the geographic information systems (GIS). <p>Delta Electrical Info – Delta provided electrical and controls system design for the Lift Station and accessories. Delta also provided PLC programming and instrument testing services during construction.</p> <p>Size – 1 to 10 MGD, varies by location Length of Project – 1-2 years each Value Added – NCS/Delta met budget and operational constraints by adjusting design approach as needed. NCS used complex computer software and models to develop optimal solutions.</p>
City of Scottsdale Electrical Safety Program Development (Scottsdale, Arizona)	Phase I completed June 2015 Phase II completed August 2016	n/a	City of Scottsdale	\$745,438	\$673,442	<p>Scope - This project included 143 site electrical systems. DeltaSE used NFPA 70E guidelines and began by reviewing City documentation and performing onsite validation of the electrical systems. The data collected was modeled in EATP electrical software. The results of the software analysis were used to generate</p>



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

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
						<p>reports for each of the sites in the study. DeltaSE provided a summary, a short circuit analysis, finds from the onsite inspections of any observed issues with the electrical system, and a protective coordination study. DeltaSE generated and installed arc flash labeling on the electrical gear identifying the available fault currents, protection boundaries, and recommended level of Personal Protective Equipment that should be worn by staff working on the electrical system. Phase I was completed June 2015. Phase II was completed August 2016.</p> <p>Size – by site , 1 to 10 MGD Length of Project – 1 year (each site) Value Added – This project demonstrates DeltaSE's ability to plan out and successfully complete a large and complex set of tasks.</p>



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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

Attachment 2-A
Experience and Capacity

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

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).



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

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees Firm	d. No. of Employees Branch
CADD Technician	P	4	4 – Phoenix
Chemical Engineer	P	1	1 – Phoenix
Civil Engineer	P	4	4 – Phoenix
Construction Manager	P	2	2 – Phoenix
Construction Inspector	P	2	2 – Phoenix
Control Systems Engineer	P	3	1 – Phoenix 2 - Las Vegas
Cost Engineer/Estimator	P	1	1 - Baltimore
Electrical Engineer	P	5	2 – Phoenix 3 – San Diego
Environmental Engineer	P	2	2 – Phoenix
Environmental Scientist	P	1	1 – Phoenix
Geographic Information System Specialist	P	1	1 - Baltimore
Hydraulic Engineer	P	2	2 – Phoenix
Project Manager	P	4	2 - Phoenix 1 - Baltimore, MD 1 - Rio Rancho, NM
Sanitary Engineer	P	1	1 – Phoenix
Structural Engineer	P	1	1 – Phoenix
Water Resources Engineer	P	1	1 – Phoenix
Total		35	35



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

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.



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

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
	City of Phoenix - 200 West Washington Street, 8th Floor Phoenix, AZ 85003	Darlene Helm	12/15	3/17
	Phone Number	Email Address		
	602-534-9138	darlene.helm@phoenix.gov		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities</p> <p>City of Phoenix – Val Vista Reservoir Rehabilitation - NCS conducted condition assessments of the 64th Street No. 2, 64th Street No. 4, Ray Road, and Val Vista No. 3 Reservoirs which considered the following factors: Civil/site and drainage issues, reservoir concrete walls, structural members, roof system, ventilation system, hopper bottom walls and floor, floor liner, leakage rates and piping. Four assessment reports with costs and recommendations were made to summarize the findings of the project. For the Val Vista #3 Reservoir, NCS also prepared design and construction documents for minor rehabilitation improvements identified in the assessment.</p>				
<p>Services performed similar to those described in Solicitation</p> <p>Design and analysis of the following: structural rehabilitation, concrete coating & assessments, water pipelines, roof rehabilitation, and water proofing.</p>				
2	Client Company/Address	Contact	Begin Date	End Date
	Liberty Utilities - 12725 W. Indian School Rd., D101 Avondale, AZ 85392	Joel Wade	2/15	9/16
	Phone Number	Email Address		
	623-935-9367	Joel.Wade@libertyutilities.com		
<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>Water/Wastewater Plant Design & Arsenic Treatment - NCS was the prime design firm for the 1300 gpm expansion to this arsenic treatment plant that will feature a new 3-vessel coagulation/filtration system, prefilters, site expansion, backwash and waste tanks, controls, pumping systems, and civil/site elements. The \$2M project included a custom designed system with upflow regeneration and air scour features.</p>				
<p>Services performed similar to those described in Solicitation</p> <p>Design and analysis of the following: water treatment, wastewater treatment, piping systems, process evaluation, permitting, and cost estimating.</p>				



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

3 Client Company/Address	Contact	Begin Date	End Date
City of Avondale - 399 E. Lower Buckeye Road Avondale, Arizona 85323-6804	Mike Smith	7/14	12/16
Phone Number	Email Address		
623-764-2364	msmith@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>Steel Tank Rehabilitation and Gateway Treatment Plant Design - NCS designed improvements and managed construction for the coating and structural rehabilitation of two 0.6 MG steel tanks (Northside) and 1.75 MG tank (Rancho Santa Fe).</p>			
<p>Services performed similar to those described in Solicitation</p> <p>Design and analysis of the following: water treatment, process evaluation, site/civil, permitting, structural systems, piping & valves, and electrical & controls.</p>			

End of Attachment 2-A



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

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	NCS Engineers		Year established	1998
Principal address (street, city, state)	202 E. Earll Drive, suite 110 Phoenix, AZ 85012			
Entity type:	Corporation	Structure:	S. Corporation	
Branch or Division:	Phoenix – HQ	Parent Company:	none	
Years the organization has conducted business in Arizona.				20
Contract Representatives to Contact				
	Name	Title	Telephone Number	E-Mail Address
1.	Ramesh Narasimhan	President	602-629-0206	ram@ncseng.com
2.	Pranam Joshi	Vice President	602-629-0206	pranam@ncseng.com
3.	Deidre Haile	Marketing Coordinator Administrative Services	602-629-0206	deidre@ncseng.com
Firm Professional Registration and Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)				
	Description	Issuer	Number	Expiration
1.	Arizona Board of Technical Registration	State of Arizona	12024	2/28/2018
2.	Arizona Corporate Commission Certificate of Good Standing	State of Arizona	09636707	Good Standing



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

ORGANIZATION PROFILE

Firm Name	Delta Systems Engineering		Year established	1998
Principal address (street, city, state)	3110 Camino Del Rio South, Suite 217, San Diego, CA			
Entity type:	Corporation	Structure:	LLC	
Branch or Division:	San Diego – branch	Parent Company:	NCS Engineering	
Years the organization has conducted business in Arizona.				20
Contract Representatives to Contact				
	Name	Title	Telephone Number	E-Mail Address
1.	Brian Downing	Managing Director	760-560-0670	bdowning@deltaseinc.com
2.	Angela Downing	Operations	760-560-0670	ajdowning@deltaseinc.com
3.	Dee Nichols	Engineering PM	760-560-0670	dnichols@deltaseinc.com
Firm Professional Registration and Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)				
	Description	Issuer	Number	Expiration
4.	Arizona Board of Technical Registration	State of Arizona	10505	9/30/2018
5.	Arizona transaction privilege tax license or (if applicable) Arizona Corporate Commission Certificate of Good Standing	n/a for LLCs		

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.).

	Title	Document Date	No. of pages	Purpose in Offer
6.	None	x	x	

(NOTE: The Offeror may insert additional rows as required).

End of Attachment 2-B

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

Date: January 8, 2018
Page 16 of 42



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

Attachment 3-A
Method Proposal
(Method of Approach)

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-A



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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

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:	Ramesh "Ram" Narasimhan	How long with company?	20 years
	Current position in company:	President	How long in position?	20 years
	Position for the Services:	Principal & Project Manager	How much of time will be dedicated to the Services?	30%
	What primary functions will be assigned?	Contract Negotiations, Quality Assurance/Quality Control, Project Management, Client Liaison, Design Management, and Construction Management & Inspection.		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • He has overseen water/wastewater work for more than 150 utilities throughout the U.S., with a focus on water/wastewater treatment systems. • He completed over 60 groundwater treatment projects for arsenic, nitrate, fluoride, chromium, TDS, iron and manganese. • Mr. Narasimhan has over 29 years experience in surface water treatment plant (WTP) design including over 30 projects at 15 WTPs throughout the U.S. • He has design and construction management (CM) expertise with chemical feed systems, filters, flocculation/sedimentation, disinfection, advanced treatment (UV, microfiltration, GAC), and solids handling. • Mr. Narasimhan has completed process evaluations and design for several WTPs to address plant expansions, upgrades, disinfection by-products (DBPs) treatment and control, surface water treatment rule compliance (City of Glendale, AZ, Global Water, Apache Junction Water Company, and City of Phoenix). 		
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) M.B.A. and M.S. and B.S. in Civil Engineering</p> <p>PROFESSIONAL TRAINING - REGISTRATIONS P.E. in Arizona, California and New Mexico, Certified Operator: Arizona Grade 2 – Water Distribution, Water Treatment, and Wastewater Collection</p> <p>OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Water Works Association, American Society of Civil Engineers, Arizona Water and Pollution Control Association, American Membrane Technology Association</p>		
	Resume:	N/A (see above)		

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

Date: January 8, 2018
Page 18 of 42



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

2	Name:	Larry Hanson	How long with company?	16 years
	Current position in company:	Senior Project Manager	How long in position?	16 years
	Position for the Services:	Civil Design Team Leader	How much of time will be dedicated to the Services?	50%
	What primary functions will be assigned?	Quality Assurance/Quality Control, Project Management, Client Liaison, Design Management, and Project Design.		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Mr. Hanson has more than 39 years of engineering design, project management, permitting, and construction experience on a wide range of water and wastewater projects. • He is an expert on building codes and standards to ensure design integrity. • He served as PM for arsenic treatment facilities; Wells 244/275, 261, 264, 276 for the City of Phoenix. • He served as project manager for 10 steel tank design and improvement projects. • Mr. Hanson served as project principal for the design of booster pump stations 5G-2 (2.4 MGD, 3 pumps) and 4B-2 (1.4 MGD, 3 pumps), and 1,000 feet of 12-inch diameter water main for the City of Phoenix. • He served as project manager for several sewage lift stations in the region. • He served as project manager for 2.1 MGD WTP and rehabilitation of four wells for the Chinle Community (Navajo Nation). • He served as assistant project manager for the design of 1,000 gpm Well 14 booster pump station for the City of Rio Rancho. • Mr. Hanson served as assistant project manager for 0.5 MG concrete reservoir, and 5.1 MGD booster pump station for the City of Scottsdale at Site 32. • He has outstanding design review and QA/QC expertise, focusing on pipelines, infrastructure, civil/site work and treatment plants. 		
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering</p> <p>PROFESSIONAL TRAINING – REGISTRATIONS P.E. in Arizona, Nevada, New Mexico and Wisconsin</p> <p>OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers, National Society of Professional Engineers, American Public Works Association/AZ Water Association, Water Environment Federation, and Arizona Water and Pollution Control Federation.</p>		
	Resume:	N/A (see above)		



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

3	Name: Harish Arora	How long with company?	15 years
	Current position in company: Vice-President	How long in position?	10 years
	Position for the Services: Quality Assurance Officer	How much of time will be dedicated to the Services?	50%
	What primary functions will be assigned?	Quality Assurance/Quality Control, Project Management, Performing Engineering Studies & Analysis, and Field Testing.	
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Dr. Arora is NCS' Vice President and Director of Water Treatment Processes. • He is an experienced Client Service and Project Manager with proven results for clients. • He served as a project manager for the a multi-year, \$3M task order based contract for projects related to the Washington Aqueduct water supply system. • He assisted numerous utilities with various water quality and treatment studies involving GAC, aeration, arsenic, VOCs and THM compliance. • Dr. Arora has been involved with several projects related to filtration design for utilities, including Ocean City, MD; Phoenix; Glendale; and Santa Fe, NM. • Dr. Arora has also been involved with many water master plans for the Cities of Phoenix; New Orleans, LA; Omaha, NE; and Potomac WTP of Washington Suburban. 	
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) BS – Civil Engineering M.Eng. – Environmental Engineering Ph.D. – Environmental Engineering</p> <p>PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Delaware - #9868 – Environmental Engineering Maryland - #29884 – Environmental Engineering</p> <p>OTHER PROFESSIONAL QUALIFICATIONS Member of American Water Works Association (Technical Advisory Workgroup for Disinfection/Disinfection By - Products; Previous Chair, Research Organic Contaminants) and Chesapeake Section, AWWA – Chair, Water Quality Education and Research Committees and Trustee; More than 40 publications in Peer Reviewed Journals and local, national and international conferences/seminars; Best Paper Awards from AWWA and NY Section of AWWA; Lecturer, The Johns Hopkins University Engineering Professional Program – graduate courses for water and wastewater treatment.</p>	
	Resume:	N/A (see above)	



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

4	Name: Sudheera Addepally	How long with company?	15 years
	Current position in company: Project Manager	How long in position?	6 years
	Position for the Services: Design Engineering	How much of time will be dedicated to the Services?	40%
	What primary functions will be assigned? Project Management, Client Liaison, Design Management, Project Design, and Performing Engineering Studies & Analysis.		
	Describe person's experience in performing services like those that are to be assigned: <ul style="list-style-type: none"> • Ms. Addepally has over 14 years of civil engineering experience in water and wastewater treatment processes, design, and bench/pilot testing. • She served as lead engineer for the Town of Wellton's water treatment project to optimize treatment and reduce disinfection by-product formation (DBP) in the distribution system. • Ms. Addepally also prepared WTP facility designs for the cities of Glendale, Phoenix, and Rio Rancho, and understands CAP and SRP treatment issues. • She served as process design engineer for several arsenic and nitrate removal facilities for the cities of Phoenix, Avondale, Glendale, Litchfield Park, Chandler and Rio Rancho. • She was involved in the design and permitting of the 0.5 MGD Biosphere-2 Ranch Water Reclamation Facility • Ms. Addepally was a design engineer for the Town of Quartzite wastewater treatment system upgrade. 		
	List person's job-related training and education: EDUCATION (DEGREE AND SPECIALIZATION) MS Environmental Engineering BS Civil Engineering CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Civil Engineering - Arizona #45686 OTHER PROFESSIONAL QUALIFICATIONS Member of American Water Works Association, Member of Arizona Water Association. Ms. Addepally has more than 15 years of civil engineering experience in water treatment processes, design, and construction services. Ms. Addepally has performed water quality monitoring, pilot testing, sample collection and quality assurance/quality control reviews and has extensive experience in O&M manuals and training. Her experience includes planning, design, and preparation of construction documents for water treatment facilities; pipelines; sanitary sewers; and wastewater treatment facilities.		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

Resume: [N/A \(see above\)](#)

5	Name:	Kenny Benally	How long with company?	13 years
	Current position in company:	Lead CAD Designer	How long in position?	13 years
	Position for the Services:	Lead CAD Designer	How much of time will be dedicated to the Services?	40%
	What primary functions will be assigned?	Project Design		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Mr. Benally is familiar with all aspects of computer-aided drafting standards for layering, x-references, and modular space concepts. • He works with the latest version of CADD software and has assisted with the design of over 30 WTPs including arsenic, iron and manganese removal facilities for several water systems. • He is experienced in preparing piping layouts and filtration drawings of treatment systems and the associated civil design elements, including pipeline plans/profiles, surveying, as-builts and mechanical/ civil/ structural detailing. • Mr. Benally was responsible for CADD design of the following: Arsenic Treatment Design for Airline Well Field, Liberty Utilities, AZ; Well 23 Water Treatment Evaluation and Design, CORR; 13 City of Phoenix Arsenic Facilities; Rio Rancho Water Treatment Facilities SCADA Design and Installation; Town of Gilbert Wells 14, 15 and 19 ATFs; 10 ATFs for CORR; Chinle WTP Design; Ganado WWTP and Tuba City WWTP Design; Chinle Vulnerability Assessment and New Lands System Evaluation; Red Rock WWTP Design. 		
	List person's job-related training and education:	EDUCATION (DEGREE AND SPECIALIZATION) Salt Lake Community College, Architectural Technology		
	Resume:	N/A (see above)		



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

6	Name:	Pranam Joshi	How long with company?	12 years
	Current position in company:	Vice President	How long in position?	12 years
	Position for the Services:	Infrastructure Master Planning and Studies	How much of time will be dedicated to the Services?	25%
	What primary functions will be assigned?	Quality Assurance/Quality Control, Project Management, and Performing Engineering Studies & Analysis.		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Mr. Joshi is a Hydraulic Modeling Team Leader and has experience in water resources modeling and analysis. He has profound knowledge of modeling software including WaterCAD, EPANET, KYPIPE, H2OMap, MikeNet, etc. • He is familiar with the WA and DC WASA pumping system and hydraulic models. • Mr. Joshi is a Vice-President with NCS and developed the City of Phoenix and City of Flagstaff hydraulic models for water line and sewer line design projects. • He developed and analyzed various water models for City of Phoenix, Sub regional Operating Group (Phoenix area wastewater utilities), and City of Rio Rancho for facility master planning and design. • He delivered several modeling projects including calibration and water quality modeling evaluation for the City of Tolleson, water quality master plan for the Agua Fria Water District, PRV/Zone Break analysis and water model calibration for Liberty Utilities. • He assisted the City of Phoenix with several modeling projects using InfoWater and WaterGEMS, including the NE Area Water Quality and Cost Optimization Project, Water Infrastructure Sequencing Study project, WaterGEMS model development and training, Groundwater Management Plan, and the 100,000 pipe sewer model development. 		
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) B.E. Chemical Engineering, M.S. Environmental Engineering</p> <p>PROFESSIONAL TRAINING – REGISTRATIONS P.E. in Arizona and Missouri</p> <p>OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Water Works Association and American Society of Civil Engineers</p>		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

7	Name:	Chandana Kakarlapudi	How long with company?	10 years
	Current position in company:	Project Engineer	How long in position?	10 years
	Position for the Services:	GIS and Modeling Specialist	How much of time will be dedicated to the Services?	40%
	What primary functions will be assigned?	Project Design and Performing Engineering Studies & Analysis.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Ms. Kakarlapudi has experience in GIS, hydraulic and water quality modeling, water and wastewater facility design, storm water system hydraulics, and asset management databases. Her experience includes:</p> <ul style="list-style-type: none"> • Performing structural, mechanical and architectural inspections of the Dalecarlia WTP Pumping Station Building and developing design drawings, specifications, and cost estimates for the renovations involved. • Assisting in the hydraulic analysis at City of Rio Rancho Well 14 Booster Station, pump selection, and developed system head curves. • Developing report maps and generating figures for City of Flagstaff Asset Management Study using ArcGIS. This included development of replacement and rehabilitation plans for several large water pump stations. • Developing operation manuals for several City of Rio Rancho water facilities for various mechanical equipment such as pumps, valves, treatment equipment, electrical panels, etc. 		
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) MS Environmental Engineering BE Civil Engineering</p> <p>OTHER PROFESSIONAL QUALIFICATIONS She has served as design engineer for several assignments at the Dalecarlia and McMillan WTPs. She is certified in AutoCAD and recently relocated to our Baltimore office for local support of Army Corps projects.</p>		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

8	Name:	Steve Wedwick	How long with company?	7 years
	Current position in company:	Wastewater Team Leader	How long in position?	7 years
	Position for the Services:	Wastewater Design	How much of time will be dedicated to the Services?	40%
	What primary functions will be assigned?	Quality Assurance/Quality Control, Project Management, Client Liaison, Design Management, Project Design, Performing Engineering Studies & Analysis.		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Mr. Wedwick is a Project Manager with over fourteen years of professional experience with an emphasis in water/wastewater evaluation and design and storm water studies and design. • Mr. Wedwick has 20 years of experience in water and wastewater treatment, sewer lines, and pump systems, and civil design. • He has designed WWTPs ranging in technologies from textile filters, constructed wetlands, aerated lagoons, and a wide variety of activated sludge processes. • Mr. Wedwick serves as PM for the Town of Superior WWTP evaluation and rehabilitation. • He served as PM for the NTUA, Global Water, and Liberty Utilities Wastewater programs. • He served as PM for the City of Buckeye Municipal WWTP Oxidation Ditch Improvements, where nitrogen removal was optimized. • Mr. Wedwick was the project engineer for many study and design tasks for the City of Rio Rancho's Wastewater Program, including force mains, lift stations and treatment plants. • He designed 1.5 miles of 8-inch reclaimed water line for the City of Surprise. • He has several designed sewer lines and sewer rehabilitation projects for the City of Phoenix. 		
	List person's job-related training and education:	<p>EDUCATION (DEGREE AND SPECIALIZATION) M.S. & B.S. Agricultural and Biosystems Engineering</p> <p>PROFESSIONAL TRAINING – REGISTRATIONS P.E. in Arizona and Texas</p> <p>OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Arizona Water Association Successfully completed - 10 hour OSHA Construction Safety and Health Course.</p>		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

9	Name:	Sriram Barigeda	How long with company?	10 years
	Current position in company:	Senior Project Manager	How long in position?	10 years
	Position for the Services:	Water Facilities Design	How much of time will be dedicated to the Services?	50%
	What primary functions will be assigned?	Project Management, Client Liaison, Design Management, Project Design, Performing Engineering Studies & Analysis, and Construction Management & Inspection.		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> • Mr. Barigeda is a project engineer with NCS and has more than 12 years of design and construction management experience with water storage tanks, water distribution systems and collection systems. • Mr. Barigeda assisted the City of Phoenix in developing the bid documents and cost estimates for Steel Tank and Site Improvements project (eight sites). • He developed the design for a 4 MG concrete water storage tank rehabilitation project for the City of Santa Fe. • Mr. Barigeda assisted in water distribution, sanitary sewer collection and storm sewer collection systems design for Mesquite Springs and Mesquite Hills subdivisions in Northern Arizona. • For several communities in Northern Arizona, he performed the design of water distribution systems, booster pump stations, sewer collection systems. 		
	List person's job-related training and education:	EDUCATION (DEGREE AND SPECIALIZATION) BS Civil Engineering MS Civil Engineering CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) 2009/Arizona/Civil Engineering/ #50453		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

10	Name:	Brian D. Downing, P.E.	How long with company?	20 years
	Current position in company:	Managing Director	How long in position?	20 years
	Position for the Services:	Principal-in-Charge	How much of time will be dedicated to the Services?	15%
	What primary functions will be assigned?	Project Management, QA/QC review, and SCADA integration		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> - Brian serves as Principal-in-Charge for all DeltaSE projects. - 37 years in the industry. - Highly skilled in the design of process control systems, SCADA, telemetry, PLC based control systems, and motor control systems. 		
	List person's job-related training and education:	<ul style="list-style-type: none"> - BS in Electrical Engineering, Arizona State University - Professional Engineer - Arizona #31724 - Professional Engineer - California #17607 - Professional Engineer - Nevada #13999 - Professional Engineer - Colorado #42844 - National Society of Professional Engineers - Institute of Electrical and Electronics Engineers - Founder and President of Delta Systems Engineering, Inc. - US Air Force Veteran 		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

11	Name:	Delbert (Dee) Nichols, E.I.T.	How long with company?	14 years
	Current position in company:	Engineering Manager	How long in position?	14 years
	Position for the Services:	Project Manager	How much of time will be dedicated to the Services?	50%
	What primary functions will be assigned?	Project management, senior engineering		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> - 17 years E/I&C experience - Extensive experience in project management and electrical and instrumentation design in water/wastewater industry. - Experience includes development of electrical design plans and specifications, analysis and design of wireless communication systems, control panel fabrication drawing design, arc flash and coordination studies, and electrical safety procedures per NVPA 70E requirements. 		
	List person's job-related training and education:	<ul style="list-style-type: none"> - BS in Electrical Engineering, Northern Arizona University - Electrical Workplace Safety Low Voltage and High Voltage Train the Trainer - Electrical Workplace Safety Low Voltage and High Voltage Qualified Person 		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

12	Name:	Elyson Liao	How long with company?	6 years
	Current position in company:	Senior Integrator	How long in position?	6 years
	Position for the Services:	Senior Integrator	How much of time will be dedicated to the Services?	100 %
	What primary functions will be assigned?	SCADA system integration, programming		
	Describe person's experience in performing services like those that are to be assigned:	<ul style="list-style-type: none"> - Program, design, and develop SCADA systems including evaluation of systems; developing specifications, details, and SCADA reporting functions; day-to-day technical support and project management; cost estimating; programming and radio path studies; setup/maintenance of radio networking. 		
	List person's job-related training and education:	<ul style="list-style-type: none"> - Master of Science, Civil & Environmental Engineering – University of Nevada - Bachelor of Science, Computer Science – University of Nevada - Wonderware Certifications: Applications Server 2014 - PLC systems <ul style="list-style-type: none"> Allen Bradley (SLC, MicroLogix, CompactLogix, ControlLogix) Schneider / Modicon (Momentum, M340, Quantum, Zelio) AutomationDirect (DirectLOGIC, Productivity3000) Schweitzer Engineering Labs (Axion, RTAC) - Operator Interface Terminals (OIT) <ul style="list-style-type: none"> Magelis / Panelview Plus / C-more / Red Lion - SCADA software <ul style="list-style-type: none"> iFix / Wonderware InTouch & System Platform / Ignition / Iconics - Alarm software <ul style="list-style-type: none"> WIN911 / SCADAalarm - Radios <ul style="list-style-type: none"> MDS iNet / Firetide / Freewave / Prosoft / Cradlepoint 		
	Resume:	N/A (see above)		



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

ATTACHMENT 3-B SUPPLEMENTS:

(For submission of additional Key Personnel qualifications beyond the number of forms provided in the Offer Documents: Offeror shall copy the Key Personnel Form in its entirety and complete in a separate Word Document for submission with the offer, and list file name below or type "None" on first line if not applicable. Offeror shall title Supplement(s) with the same title as named herein and upload with offer.).

	Title	Document Date	No. of pages	Purpose in Offer
1.	None			

(NOTE: The Offeror may insert additional rows as required).

End of Attachment 3-B



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

Attachment 3-C
Proposed Subcontractors

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

Check "NO" if you WILL NOT subcontract any portion of the Work and will therefore be carrying out all of the Work with your own personnel.

NO, the Offeror will not subcontract any portion of the Work.

If you WILL subcontract any portion of the Work, check "YES" below and list name of persons or companies you propose to use as subconsultants.

- Fill in the information in the chart below for every proposed subcontractor – indicate the role and services work the subconsultant may provide in performing any of the services as outlined in the Requirements Document in the solicitation.
- Offeror shall complete an Attachment 3-B Key Personnel Form in its entirety for each proposed subcontractor and submit with offer. The term "Subconsultant" shall be annotated in parenthesis after each subcontractor key personnel name typed in the "Name" section of the 3-B form.
- State may demand additional information about proposed subcontractors as a precondition of award.

YES, the Offeror will use the Subcontractors listed below:

	Subcontractor Key Personnel Name; Subcontractor Firm Name and Contact Information	List Proposed Subcontractor Role(s) and Services	Capacity % Dedicated to Perform the Proposed Role/Service For Any Project Under This Contract
1.	None		

ATTACHMENT 3-C 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
2.	None for Sub #1	x	x	x

End of Attachment 3-C

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

Date: January 8, 2018
Page 31 of 42



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

Attachment 3-D
Performance Guarantee

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-D

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

Date: January 8, 2018
Page 32 of 42

4



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

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.

NCS Engineers/Delta Systems Engineering

Company Name

202 E. Earll Drive, suite 110

Address

Phoenix AZ 85012

City **State** **Zip**

Signature of Person Authorized to Sign

Ramesh Narasimhan

Printed Name

President

Title

End of Attachment 3-E

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

Date: January 8, 2018
Page 33 of 42



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

Attachment 4
Pricing Sheet

RESERVED FOR AWARDED DESIGN PROFESSIONAL SERVICE ORDER CONTRACT

End of Attachment 4



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

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="radio"/>	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.

NCS Engineers/Delta Systems Engineering

Offeror Company Name	202 E. Earll Drive, suite 110
Address	Phoenix, AZ 85012

Ramesh Narasimhan

Signature of Authorized Person	Ramesh Narasimhan
Printed Name	President

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

Date: January 8, 2018
Page 35 of 42



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

City

State

Zip

Title

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

End of Attachment 5-A

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

Date: January 8, 2018
 Page 36 of 42

4



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, AZ 85007

*Copy of A.A.C. R2-7-103 [Confidential Information]
as was current at time of Solicitation issuance*

PROVIDED FOR REFERENCE ONLY

- A. *If a person wants to assert that a person's offer, specification, or protest contains a trade secret or other proprietary information, a person shall include with the submission a statement supporting this assertion. A person shall clearly designate any trade secret and other proprietary information, using the term "confidential". Contract terms and conditions, pricing, and information generally available to the public are not considered confidential information under this Section.*
- B. *Until a final determination is made under subsection (C), an agency chief procurement officer shall not disclose information designated as confidential under subsection (A) except to those individuals deemed by an agency chief procurement officer to have a legitimate state interest.*
- C. *Upon receipt of a submission, an agency chief procurement officer shall make one of the following written determinations:*
- 1. The designated information is confidential and the agency chief procurement officer shall not disclose the information except to those individuals deemed by the agency chief procurement officer to have a legitimate state interest;*
 - 2. The designated information is not confidential; or*
 - 3. Additional information is required before a final confidentiality determination can be made.*
- D. *If an agency chief procurement officer determines that information submitted is not confidential, a person who made the submission shall be notified in writing. The notice shall include a time period for requesting a review of the determination by the state procurement administrator.*
- E. *An agency chief procurement officer may release information designated as confidential under subsection (A) if:*
- 1. A request for review is not received by the state procurement administrator within the time period specified in the notice; or*
 - 2. The state procurement administrator, after review, makes a written determination that the designated information is not confidential.*



Request for Qualifications
Solicitation No.
ADSP018-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
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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 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.



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**.

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

Date: January 8, 2018
Page 38 of 42

4

	Request for Qualifications Solicitation No. ADSPO18-00007887 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 5-B Supplement No. 1:

Exceptions to Instructions - NONE

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

ATTACHMENT 5-B Supplement No. 2:

Exceptions to Contract Terms & Conditions - NONE

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



Request for Qualifications
 Solicitation No.
ADSPO18-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
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ATTACHMENT 5-B Supplement No. 3:
Exceptions to Technical and Commercial - NONE

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

NCS Engineers/Delta Systems Engineering

Company Name

Signature of Person Authorized to Sign

End of Attachment 5-B



Request for Qualifications
Solicitation No.
ADSP018-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
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Phoenix, AZ 85007

Attachment 5-C
Insurance Evidence

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 5-C



Request for Qualifications
Solicitation No.
ADSPO18-00007887
Description:
2018 Professional Services List

Arizona Department of
Administration
State Procurement Office
100 N 15th Ave., Suite 201
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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 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

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

Date: January 8, 2018
Page 42 of 42

4

ADSP018-00007887 Project Experience Number of Projects and Revenue

ADSP018-00007887 2018 Professional Services Qualifications List (save document as a .pdf and submit as an attachment with offer submission).

FIRMS NAME: NCS Engineers/Delta Systems Engineering

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				Landscape Architecture			
Aerial Photography; Airborne Data and Imagery Collection and Analysis				LEED Accredited A/E			
Agricultural Development; Grain Storage; Farm Mechanization				LEED Independent 3rd Party Building Commissioning			
Air Pollution Control	5	2	1	Libraries; Museums; Galleries			
Airports; Navais; Airport Lighting; Aircraft Fueling				Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)			
Airports; Terminals and Hangars; Freight Handling				Lighting (Interior; Display; Theater, Etc.)			
Animal Facilities				Lighting (Cave; Cavern)			
Anti-Terrorism/Force Protection				Mapping Location/Addressing Systems			
Area Master Planning				Materials Handling Systems; Conveyors; Sorters			
Auditoriums and Theaters				Materials Testing			
Automation; Controls; Instrumentation				Measurement / Verification / Conservation			
Barracks; Dormitories				Water Consumption			
Bridge Design: Bridges				Medical Related			
Cartography				Metallurgy			
Cemeteries (Planning and Relocation)				Mining and Mineralogy			
Chemical Processing and Storage	10	4	1	Modular Systems Design; Pre-Fabricated Structures or Components			
Child Care/Development Facilities				Mold Investigation			
Codes; Standards; Ordinances				Museums			
Cold Storage; Refrigeration and Fast Freeze				Nuclear Facilities; Nuclear Shielding			
Commercial Building (Low Rise); Shopping Centers				Office Buildings; Industrial Parks			
Communications Systems; TV; Microwave				Outdoor Recreation			
Community Facilities				Petroleum and Fuel (Storage and Distribution)			
Computer Facilities				Phase I Environmental			
Conservation and Resource Management				Photogrammetry			
Construction Management	15	6	1	Pipelines (Cross-Country - Liquid and Gas)			
Construction Materials Testing				Plumbing and Piping Design			
Construction Surveying				Pneumatic Structures, Air-Support Buildings			
Controls and Electronics Engineer	5	4	1	Power Generation, Transmission, Distribution	10	3	2
Corrosion Control; Cathodic Protection Electrolysis				Prisons and Correctional Facilities			
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting				Product, Machine Equipment Design			
Cryogenic Facilities				Public Safety Facilities			
				Radar; Sonar; Radio and Radar Telescopes			

Dams (<i>Concrete; Arch</i>)				Radio Frequency Systems and Shieldings			
Dams (<i>Earth; Rock</i>); Dikes; Levees	1			Railroad; Rapid Transit			
Desalinization (<i>Process and Facilities</i>)	6	4	1	Recreation Facilities (<i>Parks, Marinas, Etc.</i>)			
Design & Planning Structured Parking Facilities				Refrigeration Plants/Systems			
Design-Build - Preparation of Requests for Proposals				Rehabilitation (<i>Buildings; Structures; Facilities</i>)			
Detention Security Systems				Research Facilities			
Digital Elevation and Terrain Model Development				Resources Recovery; Recycling			
Digital Orthophotography				Rivers; Canals; Waterways; Flood Control			
Dining Halls; Clubs; Restaurants				Roof Infrared Imaging to Identify Water Leaks			
Disability / Special Needs				Roofing			
Dredging Studies and Design				Safety Engineering; Accident Studies; OSHA Studies	14	4	1
Ecological and Archeological Investigations				Security Systems; Intruder and Smoke Detection			
Educational Facilities; Classrooms				Seismic Designs and Studies			
Electrical Studies and Design				Sewage Collection, Treatment and Disposal	13	5	1
Electronics				Soils and Geologic Studies; Foundations			
Elevators; Escalators; People-Movers				Solar Energy Utilization			
Energy / Water Auditing Savings				Solid Wastes; Incineration; Landfill			
Energy Conservation; New Energy Sources				Special Environments; Clean Rooms, Etc.			
Environmental Impact Studies, Assessments or Statements				Specifications Writing	23	5	1
Fallout Shelters; Blast-Resistant Design				Storm Water Handling and Facilities	3	2	1
Fire Protection				Structural Design; Special Structures			
Fisheries; Fish Ladders				Surveying; Platting; Mapping; Flood Plain Studies			
Forensic Engineering				Sustainable Design			
Garages; Vehicles Maintenance Facilities; Parking				Swimming Pools			
Gas Systems (<i>Propane; Natural, Etc.</i>)				Testing and Inspection Services			
Geodetic Surveying: Ground and Airborne				Topographic Surveying and Mapping			
Heating; Ventilating; Air Conditioning				Towers (Self-Supporting and Guyed Systems)			
Highways; Streets; Airfield Paving; Parking Lots				Toxicology			
Historical Preservation				Traffic and Transportation Engineering			
Hospital and Medical Facilities				Traffic Studies			
Hotels; Motels				Transportation			
Housing (<i>Residential, Multi-Family; Apartments; Condominiums</i>)				Tunnels and Subways			
Hydraulics and Pneumatics				Urban Renewals; Community Development			
Hydrographic Surveying				Utilities (Gas and Steam)			
Industrial Buildings; Manufacturing Plants	26	1	2	Value Analysis; Life-Cycle Costing			
Industrial Processes; Quality Control				Warehouse and Depots			
Industrial Waste Treatment	3	1	2	Waste Water Treatment Facility	50	7	2
Intelligent Transportation Systems				Water Resources; Hydrology; Ground Water	8	5	1
Infrastructure				Water Supply; Treatment and Distribution	84	6	3
Irrigation; Drainage	5	2	1	Water Well Rehabilitation; Water Well Work	26	6	2
Judicial and Courtroom Facilities				Wind Tunnels; Research/Testing Facilities Design			
Laboratories; Medical Research Facilities				Zoning; Land Use Studies	3	1	1
Labs - General							
Labs - Research - Dry							
Labs - Research - Wet							

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

SAM Search Results
List of records matching your search for :

Search Term : narasimhan* consulting* services*
Record Status: Active

No Search Results



Arizona State Board of Technical Registration

Firm Search Results

Name	City	State	Services/Discipline	Business Type	Registration Status
NCS ENGINEERS	Phoenix	AZ	Chemical, Environmental, Sanitary, Structural	Firm Registration	Active

1

New Search

Display Result: 10 ▾



Arizona State Board of Technical
Registration

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