Offer Forms

(Attachments)

Date: January 8, 2018

ATTACHMENT 1..... OFFER AND ACCEPTANCE FORM 2
ATTACHMENT 2-A.... EXPERIENCE AND CAPACITY 3
1.0..... FIVE (5) EXAMPLE PROJECTS 3
ATTACHMENT 2-A.... EXPERIENCE AND CAPACITY 6
2.0..... EMPLOYEES BY DISCIPLINE 6
3.0..... FIRMS EXPERIENCE AND REVENUE 8
4.0..... FIRMS SERVICES 8
EXPERIENCE REFERENCES: 9
ATTACHMENT 2-B.... ORGANIZATION PROFILE 11
ATTACHMENT 3-A.... METHOD PROPOSAL 12
ATTACHMENT 3-B.... KEY PERSONNEL PROPOSAL 13
ATTACHMENT 3-C ... PROPOSED SUBCONTRACTORS 22
ATTACHMENT 3-D ... PERFORMANCE GUARANTEE 24
ATTACHMENT 3-E.... ISRAEL BOYCOTT FORM 25
ATTACHMENT 4..... PRICING SHEET 26
ATTACHMENT 5-A.... CONFIDENTIAL INFORMATION DESIGNATION 27
ATTACHMENT 5-B.... CONFORMANCE STATEMENTS 30
ATTACHMENT 5-C ... INSURANCE EVIDENCE 33
ATTACHMENT 5-D ... OFFER CHECKLIST 34

	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 1

Offer and Acceptance Form

SUBMISSION OF OFFER: Undersigned hereby offers and agrees to provide qualifications for **2017 Annual Professional Services List** in compliance with the Solicitation indicated above and our Offer indicated by the latest dated version below:

Initial Offer:	1. 01/06/2018 (date)	tr (initial)	

QUANTUM INTEGRATED SOLUTIONS, INC dba – QUANTUM ENGINEERING

Offeror company name	Signature of person authorized to sign Offer	Initials
2141 EAST BROADWAY ROAD, STE 217	x Thomas Reski	TR
Address	Printed name and title	
TEMPE, AZ 85282	THOMAS RESKI - PRESIDENT	
City | State | ZIP	Contact name and title	
26-0009406	THOMAS.RESKI@QUANTUMENGR.COM 480-699-7124 X100	
Federal tax identifier (EIN or SSN)	Contact Email Address	Contact phone number

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

1. 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;
2. 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;
3. complies with A.R.S. § 41-3532 when offering electronics or information technology products, services, or maintenance; and
4. 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 ADSPO17-00006796** at the top of this form, and which was dated 1/16/18 (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: ADSPO18-00007693 **The effective date of the Contract is:** 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

Attachment 2-A

Experience and Capacity

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

DEFINITIONS

Architect Services, Engineer Services, Land Surveying Services, Assayer Services, Geologist Services and Landscape Architect Services: **This solicitation is restricted to those professional services within the scope of the practice of those services pursuant to Arizona Revised Statutes Title 32, Chapter.**

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.

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

1.0 Five (5) Example Projects

List no more than five (5) ARIZONA PROJECT Example Projects Which Best Illustrate Firms Qualification for this contract in the chart provided below. Select project 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 compete 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.

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
Electrical Engineering - Arc Flash Hazard Study and Analysis City of Avondale, AZ	2017	2017	City of Avondale, AZ	$15,450.00	$15,450.00	Quantum engineering provided the electrical engineering to update existing Arc Flash Hazard Report for a WWTP facility
Electrical Engineering - Design for controls network. City of Lake Havasu, AZ	2016	2016	Lake Havasu City, AZ	$97,000.0	$97,000.00	This project consisted of developing the SCADA master plan for the water and wastewater treatment facilities with remote monitoring control and network communications system. We provided the design of radio, fiber and overall network controls SCADA system for the Wastewater Treatment plants
Construction of radio and controls network. City of Lake Havasu	2016	2017	Lake Havasu City, AZ	$895,000.00	$895,000.00	Quantum implemented new radio, fiber network and overall network communications system for Wastewater plants to SCADA to fully control by remote monitoring all sites in Lake Havasu.

Electrical Engineering - Field assessment and report for radio network systems. City of Mesa, AZ	2013	2017	City of Mesa, AZ	Multiple projects each of value ~ $3k to $10K	Multiple projects each of value ~ $3k to $10K	Quantum provided the electrical engineering analysis and recommendation of multiple radio networks across the city of Mesa for the purpose of transmitting data and control of well system to central SCADA.
Electrical Engineering consulting services for a transformer vault sizing and installation drawings. Oldcastle Precast Chandler, AZ	2017	2017	Oldcastle Precast	$3,500.00	$3,500.00	Quantum provided engineering design review to US NEC standards for transformer electrical installation standards.

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 7S**	**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 8P	**Industrial Engineer 1**	**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).

EXAMPLE:

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees Firm	d. No. of Employees Branch
Example: Architect	P	138	50-Yuma Branch 50-Tempe Branch 38 – Phoenix Branch
Example: Architect	S	20	5-Yuma Branch 5-Tempe Branch 5 – Phoenix Branch 5- Tucson Branch

a. Discipline Title	**b. Function: Primary (P) or Secondary (S)**	**c. No. of Employees Firm**	**d. No. of Employees Branch**
Electrical Engineering	2P 7S	13	13 Tempe
Control Systems Engineer	2P 7S	13	13 Tempe (same employees doing both tasks)
INDUSTRIAL ENGINEER	1P	1	1 Tempe

Total	9	13	13

3.0 FIRMS EXPERIENCE AND REVENUE

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

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 Avondale/ 399 East Lower Buckeye Road Suite 100 Avondale, AZ 85323	**Randy Ziolkowski**	**March 2017**	**July 2017**

Phone Number	Email Address
623-333-4455	**rziolkowski@avondale.org**

List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.

City of Avondale Arc Flash Hazard Analysis, $14,500, $14,500, no construction costs.

Services performed similar to those described in Solicitation

Electrical Engineering Arc Flash studies for AZ electrical equipment

2	Client Company/Address	Contact	Begin Date	End Date
	City of Mesa/ 640 North Mesa Drive Mesa, AZ 85211-1466	**Jim McCarter**	**2015**	**2017**

Phone Number	Email Address
480-644-5395	**James.mccarter@mesaaz.gov**

List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.

Multiple radio engineering path studies, each ~ $5,000 contracted, each ~ $5,000 completed, no construction costs.

Services performed similar to those described in Solicitation

Radio path studies for communication systems owned by the State of AZ

3	Client Company/Address	Contact	Begin Date	End Date
	Oldcastle Precast/ 300 East Pecos Road Chandler, AZ 85225	**Brandon Shea**	**June 2017**	**July 2017**

Phone Number	Email Address
480-388-3821	**Brandon.shea@oldcastle.com**

List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.

Transformer installation design and engineering, $3,500 Contract, $3,500 Completion, no construction
Services performed similar to those described in Solicitation **P.E. electrical stamped design drawings for installation of a large transformer.**

End of Attachment 2-A

Attachment 2-B

Organization Profile

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

ORGANIZATION PROFILE

Firm Name	QUANTUM ENGINEERING	Year established	2001
Principal address (street, city, state)	2141 EAST BROADWAY ROAD, STE 217, TEMPE, AZ 85282		
Entity type:	For Profit	Structure:	S-Corp
Branch or Division:	TEMPE Office	Parent:	N/A
Years the organization has conducted business in Arizona.			16

Contract Representatives to Contact

	Name	Title	Telephone Number	E-Mail Address
1	THOMAS RESKI	PRESIDENT	480-699-7124 X100	THOMAS.RESKI@QUANTUMENGR.COM
2	DOUG SELLS	DIRECTOR - OPS	480-699-7124 X111	DOUG.SELLS@QUANTUMENGR.COM
3	x	x	x	x

Firm Professional Registration (INCLUDE COPY OF DOCUMENT IN OFFER)

	Description	Issuer	Number	Expiration
1	Arizona Board of Technical Registration	State of Arizona	16939	December 2018

End of Attachment 2-B

Attachment 3-A

Method Proposal

(Method of Approach)

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-A

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:**	**Thomas Reski**	How long with company?	16 years
	Current position in company:	President	How long in position?	16 years
	Position for the Services:	Contracts Administration	How much of time will be dedicated to the Services?	4 %
	What primary functions will be assigned?	Contracts administration		
	Describe person's experience in performing services like those that are to be assigned:	As president of Quantum, he is responsible for contracts administration, insurance, billing and A/R.		
	List person's job-related training and education:	None		

Resume:	Reski_Tom_V001

2	**Name:**	**Doug Sells**	How long with company?	5 years
	Current position in company:	Director of Projects	How long in position?	5 years
	Position for the Services:	Projects director	How much of time will be dedicated to the Services?	10 %
	What primary functions will be assigned?	Doug will be responsible for assigning the engineering work to the Quantum employee with the correct experience and qualifications.		
	Describe person's experience in performing services like those that are to be assigned:	Doug has been providing these engineering management services during his past 25 year career in the industry.		
	List person's job-related training and education:	Project management training classes as well as vendor related training programs for the systems we design and implement.		
	Resume:	Sells_Doug_V001		

3 **Name:**	**Mark Reski P.E.**	How long with company?	7 years
Current position in company:	Sr Electrical Engineer	How long in position?	4 years
Position for the Services:	Electrical Engineer / Designer	How much of time will be dedicated to the Services?	30 %
What primary functions will be assigned?	Electrical design as well as management of other electrical engineers assigned to task development.		
Describe person's experience in performing services like those that are to be assigned:	BS E.E., and a registered Electrical Engineer in the State of AZ		
List person's job-related training and education:	On-going CE units training, Arc Flash training classes, Software development classes.		
Resume:	Reski_Mark_V001		

Procure AZ gov

4	**Name:**	**Skyler Brown EIT**	How long with company?	4 years
	Current position in company:	Industrial Engineer	How long in position?	3
	Position for the Services:	Staff Engineer (Skyler has recently passed his P.E. exam for the state of AZ and is awaiting his license from the Board of Technical Registration)	How much of time will be dedicated to the Services?	25%
	What primary functions will be assigned?	Design related electrical and controls engineering services		
	Describe person's experience in performing services like those that are to be assigned:	Skyler has been an engineer for Quantum and has been responsible for both design and installation management of the systems he has designed.		
	List person's job-related training and education:	BS IE, University of Arizona along with class studies for his PE license. Attends vendor CEU accredited training programs for his PE license.		
	Resume:	Brown_Skyler_V001		

5 **Name:**	**Kevin Terlecki**	How long with company?	8 years
Current position in company:	Sr Electrical Engineer	How long in position?	5
Position for the Services:	Electrical and software design	How much of time will be dedicated to the Services?	25
What primary functions will be assigned?	Electrical designs and software application services		
Describe person's experience in performing services like those that are to be assigned:	Kevin has been developing control system designs and software programming services for his entire career in AZ.		
List person's job-related training and education:	On-going CEU credit training classes and software db design classes.		
Resume:	Terlecki_kevin_V001		

6 **Name:**	**Myrna Ramirez**	How long with company?	4 years
Current position in company:	Adminstration	How long in position?	4
Position for the Services:	Project financial administration	How much of time will be dedicated to the Services?	4%
What primary functions will be assigned?	Billings and A/R		
Describe person's experience in performing services like those that are to be assigned:	Myrna is responsible for Quantum's billings as well as A/R.		
List person's job-related training and education:	Quickbooks training and some PM classes		
Resume:	None		

7	**Name:**	x	How long with company?	x years
	Current position in company:	x	How long in position?	x
	Position for the Services:	x	How much of time will be dedicated to the Services?	x
	What primary functions will be assigned?	x		
	Describe person's experience in performing services like those that are to be assigned:	x		
	List person's job-related training and education:	x		
	Resume:	List filename		

8 **Name:**	x	How long with company?	x years
Current position in company:	x	How long in position?	x
Position for the Services:	x	How much of time will be dedicated to the Services?	x
What primary functions will be assigned?	x		
Describe person's experience in performing services like those that are to be assigned:	x		
List person's job-related training and education:	x		
Resume:	List filename		

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	x	x	
2.	Enter or delete row if not needed			
3.	Enter or delete row if not needed			
4.	Enter or delete row if not needed			
5.	Enter or delete row if not needed			
6.	Enter or delete row if not needed			
7.	Enter or delete row if not needed			

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

End of Attachment 3-B

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.

1. 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.
2. 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.
3. 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		
2.	Name		
3.	Name		
4.	Name		
5.	Name		
6.	Name		
7.	Name		
8.	Name		
9.	Name		
10	Name		

Available online at Procure.AZ.gov

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
1.	None	x	x	x
2.	Enter or type "None for Sub #2"	x	x	x
3.	Enter or type "None for Sub #3"	x	x	x
4.	Enter or type "None for Sub #4"	x	x	x
5.	Enter or type "None for Sub #5"	x	x	x
6.	Enter or type "None for Sub #6"	x	x	x
7.	Enter or type "None for Sub #7"	x	x	x
8.	Enter or type "None for Sub #8"	x	x	x
9.	Enter or type "None for Sub #9"	x	x	x
10.	Enter or type "None for Sub #10"	x	x	x

End of Attachment 3-C

Available at Procure.AZ.gov

Attachment 3-D

Performance Guarantee

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-D

	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-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:

X_____ 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.

Quantum Integrated Solutions, dba – Quantum Engineering	Thomas Reski
Company Name	Signature of Person Authorized to Sign
2141 East Broadway Road, Ste 217	Thomas Reski
	THOMAS RESKI
Address	Printed Name
Tempe, AZ 85282	President
City State Zip	Title

End of Attachment 3-E

Attachment 4

Pricing Sheet

RESERVED FOR AWARDED DESIGN PROFESSIONAL SERVICE ORDER CONTRACT

End of Attachment 4

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":

☒	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.
☐	This response DOES contain trade secret information because it contains information that: 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.

Quantum Integrated Solutions, Inc
Offeror Company Name

Thomas Reski
Signature of Authorized Person

2141 East Broadway Road, Ste 217, Tempe, AZ 85282
Address

Thomas Reski
Printed Name

x x

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
2.	Enter or delete row if not needed			
3.	Enter or delete row if not needed			

End of Attachment 5-A

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.

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.

☐ 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	None	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	None	x
x	x	x
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
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	None	x
x	x	x
x	x	x
Section 2-B: Compensation Document		
x	x	x
x	x	x
x	x	x

Quantum Integrated Solutions, Inc

Company Name

Signature of Person Authorized to Sign

End of Attachment 5-B

Attachment 5-C
Insurance Evidence

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 5-C

Solicitation posted at Procure.AZ.gov

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

End of Attachment 5-D

End of Part 4

SKYLER BROWN E.I.T.

QUALIFIED

EDUCATION

- BS Industrial Engineering, 2014
  University of Arizona

THE UNIVERSITY OF ARIZONA

TRAINING & CERTIFICATIONS

- *Engineer in Training (E.I.T.)*
- *Dream Reports 4.7*
- *Red Lion G3*

AUTOMATION EXPERIENCE

- Rockwell's ControlLogix Family
- Rockwell's CompactLogix Family
- Rockwell's MicroLogix Family
- Rockwell's SLC 500 Family
- Rockwell's PanelView Plus
- Rockwell's FactoryTalk SE
- Wonderware's InTouch
- GE's Machine Edition
- Red Lion's G3 Series
- Kepware's KEPServerEX
- Automation Direct's DirectSOFT

ENGINEERING EXPERIENCE

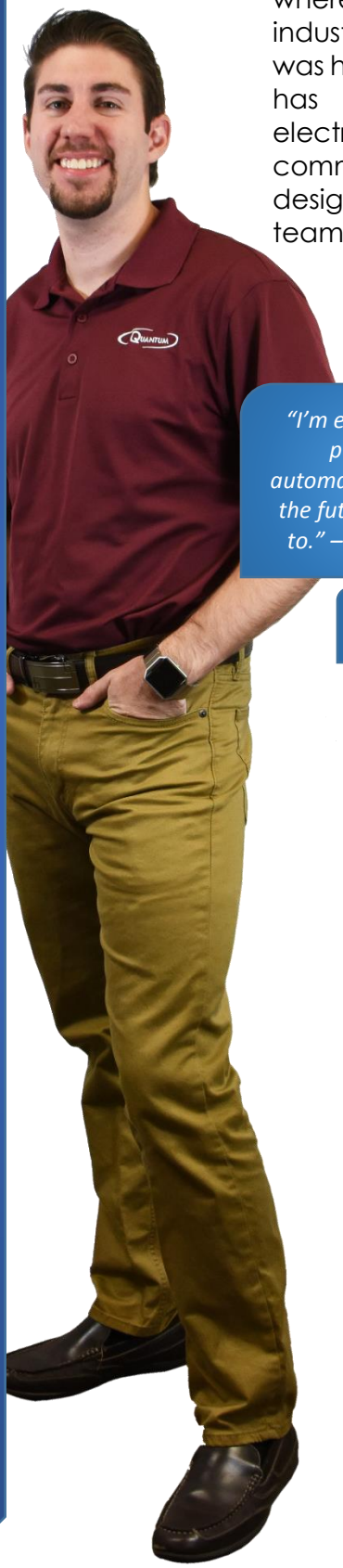
- Control Panel Design
- PLC/SCADA Programming
- Radio Installation
- Reporting

CONTACT INFORMATION

skyler.brown@quantumengr.com
Office: 480-699-7124 x112

csia CERTIFIED

480.669.7124
www.quantumengr.com



"I'm excited to be a part of the automation world and the future it will lead to." – Skyler Brown

ROLE: SYSTEMS ENGINEER

Skyler started with Quantum as intern in 2013 where he started to gain his experience in the industrial automation industry. In 2014, Skyler was hired as full time engineer at Quantum. He has been responsible for programming, electrical and panel design, radio communications, network architecture design, and field implementation in technical, team leadership roles.

INDUSTRIES

- Water/Wastewater
- Semiconductor
- Mining
- Oil and Gas

CLIENTS SERVED

- **LAKE HAVASU CITY WATER RESOURCES**
  Lake Havasu City, AZ
  Waste Water SCADA

- **CLEANPART**
  Phoenix, AZ
  Plant Monitoring and Reporting

- **CITY OF PHOENIX LANDFILL**
  Phoenix, AZ
  Filtration System

- **BHP MINING**
  Globe, AZ
  Cellular Remote Telemetry Units

- **STRUM AND RUGER**
  Prescott, AZ
  Manufacturing Processes

CONNECTED with KEPWARE • SYSTEM INTEGRATOR •

SKYLER BROWN

DETAILED WORK

Manufacturing Execution System

2016-2017
Phoenix, AZ
Designed, commissioned and implemented a GE PLC system into a semiconductor cleaning factory. This PLC system collected information from various sensors and stored this data into a two-tier Wonderware historian system. The two-tier historian implementation allows the owner the ability to scale their data collection globally. Dream Reports was used to extract data from the tier two historian to generator reports on various systems in the owner's factory.

Gas Scrubbing System

2015
Phoenix, AZ
Programmed and commissioned a control system that scrubs the gases that are emitted from the City of Phoenix's landfill. This system was implemented to ensure that the city meets the EPA requirements for landfills.

Lake Havasu City WWTP

2015-2016
Lake Havasu City, AZ
Converted the owner's four independent managed legacy Wonderware InTouch applications, into one centralized Wonderware System Platform application. All the major System Platform components were virtualized at the city's data center, which is monitored 24/7. Once the system was commissioned, the plant operators and supervisors could access all four plants regardless of what waste water plant or city facility they were at.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 11/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Geri L. Custer	
Geri Custer Ins/Integrators Ins Solutions 16824 E Ave of the Fountains Ste 21B Fountain Hills, AZ 85268	PHONE (A/C, No, Ext): (602)942-2669 FAX (A/C, No): (602)942-1408 E-MAIL ADDRESS: GeriCuster@InsureUS.biz	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : LLOYD'S OF LONDON	112016
INSURED	INSURER B : Sentinel Ins Co.	11000
Quantum Integrated Solutions, Inc. 2141 E Broadway Rd Ste 217 Tempe, AZ 85282	INSURER C : Starstone National Insurance Company	25496
	INSURER D : Hartford Insurance Company	37478
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 00000000-0 **REVISION NUMBER:** 47

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY			B1115N174550	11/26/2017	11/26/2018	EACH OCCURRENCE	$	2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$	500,000
							MED EXP (Any one person)	$	5,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$	2,000,000
	X POLICY PRO-JECT LOC						GENERAL AGGREGATE	$	4,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	$	2,000,000
							Pollution Liab	$	2,000,000
B	AUTOMOBILE LIABILITY			59UECIO6247	11/15/2017	11/15/2018	COMBINED SINGLE LIMIT (Ea accident)	$	1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$	
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$	
								$	
C	X UMBRELLA LIAB X OCCUR			77639L173ALI	11/26/2017	11/26/2018	EACH OCCURRENCE	$	5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$	5,000,000
	DED X RETENTION $ 10000							$	
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N		N/A	59WECZR3935	11/26/2017	11/26/2018	X PER STATUTE OTH-ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N (Mandatory in NH)						E.L. EACH ACCIDENT	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000
A	Prof/E&O			B1115N174550	11/26/2017	11/26/2018	Ea Claim		1,000,000
A	Prof/E&O			B1115N174550	11/26/2017	11/26/2018	Annl Aggregate		2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Insurance

CERTIFICATE HOLDER

Evidence of Liability

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

(GLC)

© 1988-2015 ACORD CORPORATION. All rights reserved.

A.R.S. § 32-141. Firm registration

A. A firm shall not engage in the practice of any Board regulated profession or occupation unless the firm is registered with the Board and the professional services are conducted under the full authority and responsible charge of a principal of the firm, who is also a registrant.

B. A person shall file a registration application for each branch office that is located in this state and that is of a firm registered with the Board. The branch office application shall list a designated registrant having full authority and responsible charge of the professional services of that branch office. The designated registrant in a branch office need not be a principal of the firm.

C. A firm wishing to offer professional services in this state shall file with the Board an application for registration on a form provided by the Board and accompanied by the appropriate application fee as prescribed by the Board. Firms shall also identify responsible registrants by the registrant's registration certificate number. Each firm shall list a description of the services the firm is offering to the public. The Board shall be notified in writing within thirty days of any change occurring in the registered principals, or any change in the firm's name or address or any change in a branch office address or designated registrant. A new application shall be filed each year by the firm within thirty days of the anniversary date of the original firm registration.

D. No firm may advertise its ability to perform home inspections by home inspectors certified pursuant to this chapter unless each home inspection is performed by a home inspector certified pursuant to this chapter and each home inspection report is prepared as a result of the inspector's on-site observation.

E. A drug laboratory site remediation firm shall provide both of the following:

1. The name of the on-site supervisor who is authorized and responsible for the services being offered.

2. Proof that the firm is licensed by the Registrar of Contractors pursuant to Chapter 10 of this Title.

PLEASE NOTE:

- **Do not list nonregistrant employees or individuals that are not registered in the State of Arizona. This form should be used for firm registration, change in the firm name, address, or services offered, or change(s) in principal(s). The Board must be notified of any of these changes using the Application/Statement within 30 days of their occurrence. There is no fee required for changes to a current registration. Individual registrants must notify the Board separately to change their professional registration or certification address.**

- **"Firm" means any individual or partnership, corporation or other type of association, including the association of a nonregistrant and a registrant who offers to the public professional services regulated by the Board.**

- **"Principal", for the purpose of firm registration compliance, means an individual who is an officer of the corporation or is designated by a firm as having full authority and responsible charge of the professional services offered by the firm in the registrant's practice category. <u>One, and only one,</u> principal registrant is allowed on a registration form for each category of service offered to the public.**

- **Engineering Firms - Please see Rules R4-30-221 and R4-30-301 for guidance. Engineering firms may list an engineer as a responsible registrant in each branch of engineering services offered.**

STATE OF ARIZONA
BOARD OF TECHNICAL REGISTRATION
1110 W. Washington St., Suite 240, Phoenix, Arizona 85007, (602) 364-4930 FAX: (602) 364-4931 https://btr.az.gov

ANNUAL FIRM REGISTRATION

REGISTRATION FEE $50.00 (Do Not Use For Branch Office Registration) **PLEASE TYPE**
No Fee for Changes to Current Firm Registration (Pursuant to A.R.S. § 32-141) **OR PRINT LEGIBLY**

Firm Registration # 16939
New Firms will be issued a number

Expiration Date Aug 31, 2017

Firm Name: QUANTUM INTEGRATED S
Address: 2141 EAST BROADWAY ROA
TEMPE, AZ 85282
City State Zip

Phone 480-699-7124 X100

Email: THOMAS.RESKI@QUANTUMEN

If Name, Address, or Phone have changed, fill in below

Business Name: _____

Address: _____

(Address): _____

_____ (____)_____
City, State Zip Phone

☒ Annual Registration ☐ Business Name Change ☒ Change in Principal
☐ New Registration ☐ Change in Services Offered ☐ Address/Phone Change

CATEGORY OF PROFESSIONAL SERVICES OFFERED:

☐ Architecture ☐ Home Inspection ☐ Landscape Architecture ☐ Geology ☐ Surveying

Engineering: (**Services Offered for Branches of Engineering only**)

☐ Agricultural ☐ Architecture ☐ Chemical ☐ Civil ☒ Control Systems
☒ Electrical ☐ Environmental ☐ Fire Protection ☐ Geological ☐ Industrial ☐ Mechanical
☐ Metallurgical ☐ Mining ☐ Nuclear ☐ Petroleum ☐ Sanitary ☐ Structural

Provide the names, Arizona registration number(s), and signature(s) of the Registrant(s) in RESPONSIBLE CHARGE. Each firm must register annually and must have a principal registrant who has the authority and responsibility for professional services of that firm.
Only one Principal Registrant per Category or Branch of Engineering.

MARK RESKI — 58525
Principal Registrant's Name **AZ Reg. #**
ELECTRICAL & Control Systems
Registration Category and/or Branch
12/13/2
REQUIRED Signature of AZ Registrant **Date**

_____ _____
Principal Registrant's Name **AZ Reg. #**
_____
Registration Category and/or Branch
_____
REQUIRED Signature of AZ Registrant **Date**

_____ _____
Principal Registrant's Name **AZ Reg. #**
_____
Registration Category and/or Branch
_____
REQUIRED Signature of AZ Registrant **Date**

_____ _____
Principal Registrant's Name **AZ Reg. #**
_____
Registration Category and/or Branch
_____
REQUIRED Signature of AZ Registrant **Date**

NOTICE

Knowingly making a false statement in connection with this application may be cause for denial of this application and/or referral for criminal prosecution.
Arizona Revised Statutes ("A.R.S.") 41-1030(B) states that "[a]n agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition."
A.R.S. 41-1030(D) states that "[t]his section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section."
A.R.S. 41-1030(E) states that "[a] state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the Agency's adopted personnel policy."
A.R.S. 41-1030(F) states that "[t]his section does not abrogate the immunity provided by section 12 820.01 or 12 820.02."

ADSPO18-00007787 Number of Projects and Revenue
ADSPO18-00007787 2018 Annual Professional Services Qualifications
FIRMS NAME (INSERT NAME):

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				Libraries; Museums; Galleries			
Airports; Navaids; 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	125+	5	5	Measurement / Verification / Conservation Water Consumption			
Barracks; Dormitories				Medical Related			
Bridge Design: Bridges				Metallurgy			
Cartography				Mining and Mineralogy			
Cemeteries *(Planning and Relocation)*				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			
Commercial Building *(Low Rise)* ; Shopping Centers				Outdoor Recreation			
Communications Systems; TV; Microwave				Petroleum and Fuel *(Storage and Distribution)*			
Community Facilities				Phase I Environmental			
Computer Facilities				Photogrammetry			
Conservation and Resource Management				Pipelines *(Cross-Country - Liquid and Gas)*			
Construction Management				Plumbing and Piping Design			
Construction Materials Testing				Pneumatic Structures, Air-Support Buildings			
Construction Surveying				Power Generation, Transmission, Distribution			
Controls and Electronics Engineer	125	5	5	Prisons and Correctional Facilities	1	1	0
Corrosion Control; Cathodic Protection Electrolysis				Product, Machine Equipment Design			
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting				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.)*			
Design & Planning Structured Parking Facilities				Refrigeration Plants/Systems			
Design-Build - Preparation of Requests for Proposals				Rehabilitation *(Buildings; Structures; Facilities)*			
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			
Ecological and Archeological Investigations				Security Systems; Intruder and Smoke Detection			
Educational Facilities; Classrooms				Seismic Designs and Studies			
Electrical Studies and Design	30	3	5	Sewage Collection, Treatment and Disposal			
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			
Fallout Shelters; Blast-Resistant Design				Storm Water Handling and Facilities			
Fire Protection				Structural Design; Special Structures			
Fisheries; Fish Ladders				Surveying; Platting; Mapping; Flood Plain Studies			
Forensic Engineering	1	0	1	Sustainable Design			
Garages; Vehicles Maintenance Facilities; Parking				Swimming Pools			
Gas Systems *(Propane; Natural, Etc.)*				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 (Residential, Multi-Family; Apartments; Condominiums)				Tunnels and Subways			
Hydraulics and Pneumatics				Urban Renewals; Community Development			
Hydrographic Surveying				Utilities (Gas and Steam)			
Industrial Buildings; Manufacturing Plants				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							

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

MARK RESKI, P.E.

ROLE: SR. PROCESS SYSTEMS ENGINEER

Mark has been an electrical and process engineer for Quantum since 2010. He has programmed various PLC/PAC platforms, in numerous process automation industries. He has architected and implemented process automation networks that utilize the latest technology, including virtualized operating system (OS) and handheld tablets. Below are the industries and automation hardware Mark has experience in!

QUALIFIED

EDUCATION

- BS Electrical Engineering, 2009
  Arizona State University

TRAINING & CERTIFICATIONS

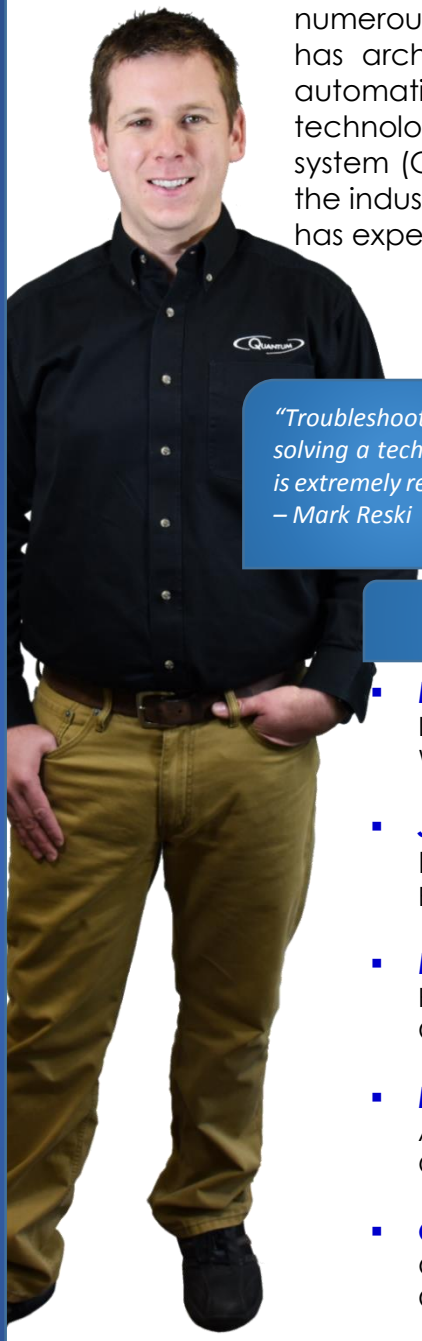
- *Professional Engineer (P.E.)*
- *Rockwell PlantPAx 3.0*
- *Wonderware Application Server 4.0*
- *Wonderware InTouch 11.0*
- *Wonderware Historian Server 11.5*
- *Matrikon OPC*
- *DHS ICS-CERT*

AUTOMATION EXPERIENCE

- Rockwell's ControlLogix Family
- Rockwell's CompactLogix Family
- Rockwell's MicroLogix Family
- Rockwell's SLC 500 Family
- Schneider's Quantum PAC Family
- Schneider's M340 PAC Family
- Schneider's Momentum Family
- Schneider's Foxboro
- Rockwell's PanelView Plus
- Rockwell's FactoryTalk SE
- Wonderware's InTouch
- GE's iFix
- Red Lion's G3 Series
- Kepware's KEPServerEX
- MatrikonOPC

ENGINEERING EXPERIENCE

- Network Design
- PLC/SCADA Programming
- Control Panel Design
- Instrumentation
- Power Distribution



"Troubleshooting and solving a technical issue is extremely rewarding."
– Mark Reski

INDUSTRIES

- Water/Wastewater
- Semiconductor
- Mining
- Oil and Gas
- Energy Generation

CLIENTS SERVED

- **LAKE HAVASU CITY WATER RESOURCES**
  Lake Havasu City, AZ
  Waste Water SCADA

- **J.R. SIMPLOT COMPANY**
  Boise, ID
  Building Management System

- **RENTECH NITROGEN**
  Houston, TX
  Cogeneration Steam Delivery

- **NEWALTA CORPORATION**
  Alexander, ND
  Oil and Waste Disposal

- **CITY OF GOODYEAR WASTEWATER SERVICES**
  Goodyear, AZ
  Corgett Waste Water Treatment Plant

CONTACT INFORMATION

mark.reski@quantumengr.com
Office: 480-699-7124 x105

CSIA CERTIFIED

480.669.7124
www.quantumengr.com

CONNECTED WITH KEPWARE • SYSTEM INTEGRATOR •

MARK RESKI

DETAILED WORK

Building Management System

2015-2017

Boise, ID

Implemented a Building Management System (BMS) that monitors various critical systems in the owner's new world headquarters facility. Every component except for the fire system, was directly connected the BMS network. A remote I/O panel was designed and built to monitor a dewatering and irrigation skid. This system leveraged Wonderware's System Platform for redundancy and utilized three major communication protocols; Ethernet/IP, Modbus and BACnet. Various monthly reports are emailed to the owner for numerous systems, including geothermal and generator fuel usage.

Oil Disposal

2014

Alexander, ND

Programmed and commissioned various systems that cleaned oil from the fracking fields of North Dakota. This process separated water and sand from the raw oil. This system required the commissioning of four PLC panels, six VFDs and one skid system into service.

Lake Havasu City WWTP

2015-2016

Lake Havasu City, AZ

Converted the owner's four independent managed legacy Wonderware InTouch applications, into one centralized Wonderware System Platform application. All the major System Platform components were virtualized at the city's data center, which is monitored 24/7. Once the system was commissioned, the plant operators and supervisors could access all four plants regardless of what waste water plant or city facility they were at.

Cogeneration Steam Delivery System

2013-2014

Houston, TX

Implemented a redundant Schneider PAC system to utilize the owner's steam byproduct to produce power. This power was then purchased by the owner's power utility company. The redundant PAC system utilized remote I/O to deliver high pressure steam to a Siemens' turbine. After the completion of the cogeneration project, the system produced approximately 15 MW of electricity.

THOMAS RESKI

QUALIFIED

EDUCATION

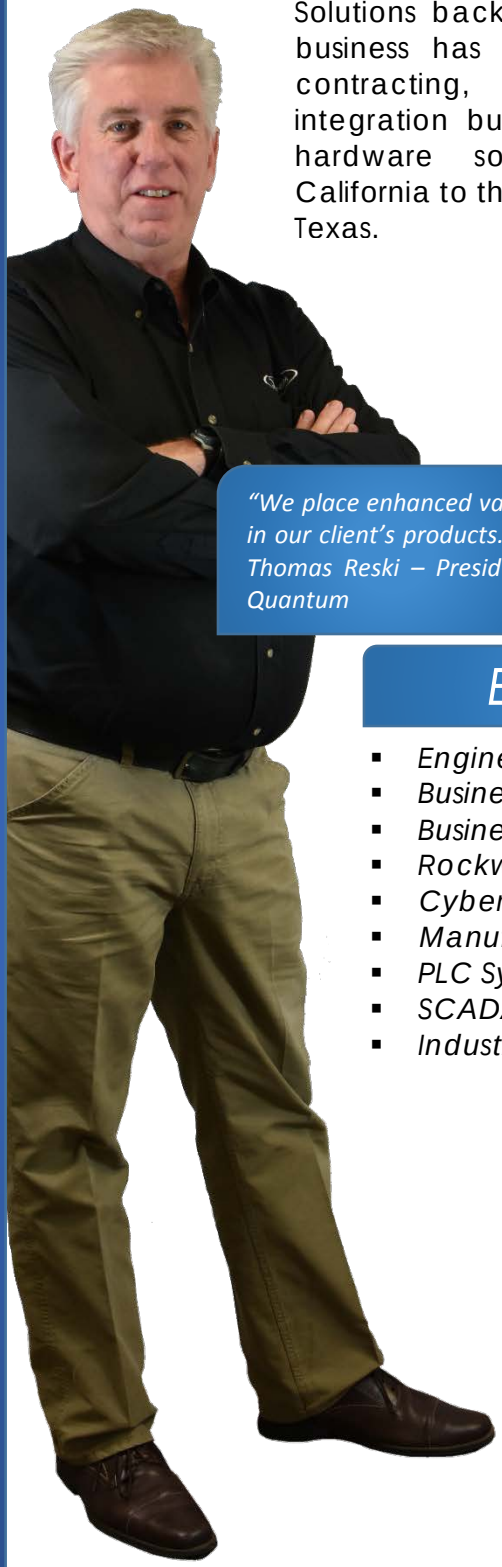
- BS Electrical Engineering Technology, 1979
  Minnesota State University Moorhead

CORPORATE PRESIDENT

President of Quantum Integrated Solutions, Inc.

Licensed General Engineering Contractor:

- *Arizona*
- *North Dakota*
- *Idaho*



"We place enhanced value in our client's products." – Thomas Reski – President Quantum

ROLE: PRESIDENT

Thomas founded Quantum Integrated Solutions back in 2001. Since that time the business has developed into a successful contracting, engineering and systems integration business providing software and hardware solutions from Arizona and California to the oil fields of North Dakota and Texas.

INDUSTRIES

- Water/Wastewater
- Semiconductor
- Mining
- Oil and Gas
- Energy Generation

EXPERIENCED

- *Engineering Design*
- *Business Management*
- *Business Sales / Marketing*
- *Rockwell PLC's*
- *Cyber Security*
- *Manufacturing Execution Systems (MES)*
- *PLC System Design*
- *SCADA System Design*
- *Industrial Network Design*

CONTACT INFORMATION

thomas.reski@quantumengr.com
Office: 480-699-7124 x100

CSIA CERTIFIED

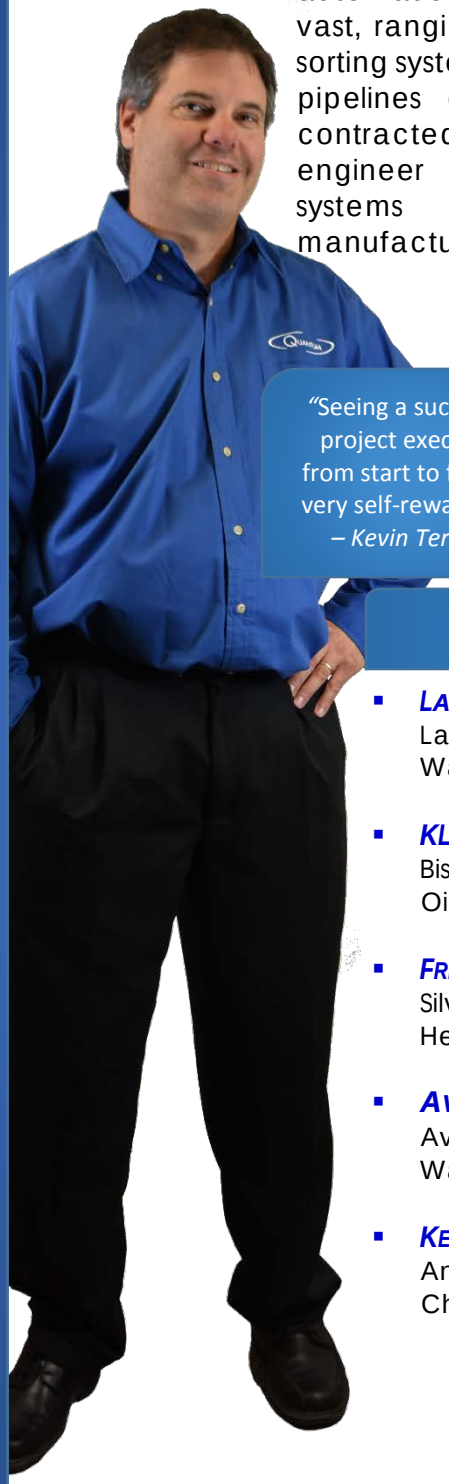
480.669.7124
www.quantumengr.com

CONNECTED with KEPWARE • SYSTEM INTEGRATOR •

KEVIN TERLECKI

ROLE: SR. PROCESS SYSTEMS ENGINEER

Kevin has been active in the automation world since 1996. His experience in automation, controls and programming is vast, ranging from programming high speed sorting systems to monitoring systems for the oil pipelines of North Dakota. He was also contracted for two years as an embedded engineer to test and verify automation systems for a large semiconductor manufacturer.



"Seeing a successful project execution from start to finish is very self-rewarding."
– Kevin Terlecki

QUALIFIED

EDUCATION

- BS Electrical Engineering, 1996
  Arizona State University

TRAINING & CERTIFICATIONS

- *Wonderware Application Server 4.0*
- *Wonderware InTouch 11.0*
- *Wonderware Historian Server 11.5*
- *OSHA 10*
- *Rockwell Micro 800*

AUTOMATION EXPERIENCE

- Rockwell ControlLogix Family
- Rockwell CompactLogix Family
- Rockwell MicroLogix Family
- Rockwell SLC 500 Family
- Schneider Quantum PAC Family
- Schneider M340 PAC Family
- Schneider Momentum Family
- Rockwell PanelView Plus
- Rockwel FactoryTalk SE
- Wonderware InTouch
- GE iFix
- GE Cimplicity
- Red Lion G3 Series
- Kepware KEPServerEX
- MatrikonOPC

ENGINEERING EXPERIENCE

- SCADA Master Plans
- PLC/SCADA Programming
- Control Panel Design
- Power Distribution
- Upgrade Paths

INDUSTRIES

- Water/Wastewater
- Semiconductor
- Mining
- Oil and Gas
- High Speed Sorting

CLIENTS SERVED

- ***LAKE HAVASU CITY WATER RESOURCES***
  Lake Havasu City, AZ
  Waste Water SCADA
- ***KLJ – PROGRESS SOLUTIONS***
  Bismarck, ND
  Oil Pipeline SCADA System
- ***FREEPORT-MCMORAN***
  Silver City, NM
  Heap Leaching Collection
- ***AVONDALE WASTEWATER TREATMENT PLANT***
  Avondale, AZ
  Wastewater Plant Expansion Upgrades
- ***KETECA – SKID AUTOMATION***
  Anthem, AZ
  Chemical Delivery Skid System

CONTACT INFORMATION

kevin.terlecki@quantumengr.com
Office: 480-699-7124 x108

CSIA CERTIFIED

480.669.7124
www.quantumengr.com

Rockwell Automation Recognized System Integrator

KEVIN TERLECKI

DETAILED WORK

Chemical Delivery Skid

2017
Anthem, AZ

Designed, specified, programmed and commissioned a six-pump chemical skid system. The PLC code was designed for scalability based on the number of pumps it could control. The system utilized a Rockwell Micro850 PLC and Red Lion's G3 OIT. The skid met all the owner's requirements for controls and data collection, and is now in the manufacturing phase to allow the owner to sell more of these skids worldwide.

Oil Pipeline Monitoring

2014-2017
Bismarck, ND

Designed and implemented a SCADA master plan for a firm entering the oil pipeline monitoring industry. This system utilized a redundant Wonderware System Platform architecture which was geographically separated. The primary Wonderware system was in Bismarck, ND, while the backup system was in Fargo, ND. The SCADA architecture leveraged ThinManager for operators to monitor graphical screens and alarms. The Wonderware system monitored remote pumping stations and pipelines using Allen-Bradley PLCs and the Verizon Wireless LTE network. The Wonderware system was later expanded to collect custody transfer data from another petroleum firm using MatrikonOPC Tunneller.

Lake Havasu City WWTP

2015-2016
Lake Havasu City, AZ

Converted four independent managed legacy Wonderware InTouch applications, into one centralized Wonderware System Platform application. All the major System Platform components were virtualized at the City's data center, which is monitored 24/7. Once the system was commissioned, the plant operators and supervisors could access all four plants regardless of what waste water plant or city facility they were at.

Heap Leaching Collection

2008-2009
Silver City, NM

The process of using chemicals to heap leach copper from raw ore requires special care to meet EPA regulations. The leaching solution was stored before being pumped uphill to the processing plant where the copper was extracted. This system was implemented using Rockwell ControlLogix PLCs and Wonderware System Platform to control six 1,500 HP pumps that required a 4160V power feed.

DOUG SELLS

ROLE: DIRECTOR - ENGINEERING & PROJECTS

Doug has over 20 years of engineering and management experience in the control systems integration industry and joined the Quantum team in 2012. He has been responsible for programming, electrical & motor control design, network architecture design and field implementation in technical, team leadership and senior management roles.

"Empowering the independence and creativity of team members results in successful projects."

QUALIFIED

EDUCATION

- BA Psychology, 1989
  Arizona State University

TRAINING & CERTIFICATIONS

Rockwell RSLogix
Siemens WINCC
GE Cimplicity HMI

AUTOMATION EXPERIENCE

- Rockwell's ControlLogix Family
- Rockwell's CompactLogix Family
- Rockwell's MicroLogix Family
- Rockwell's SLC 500 Family
- Schneider's Quantum PAC Family
- Schneider's M340 PAC Family
- Schneider's Momentum Family
- Schneider's Foxboro
- Rockwell's PanelView Plus
- Rockwell's FactoryTalk SE
- Wonderware's InTouch
- GE's iFix
- Red Lion's G3 Series
- Kepware's KEPServerEX
- MatrikonOPC

ENGINEERING EXPERIENCE

- Network Design
- PLC/SCADA Programming
- Control Panel Design
- Instrumentation
- Power Distribution

INDUSTRIES

- Water/Wastewater
- Semiconductor
- Package Sortation
- Material Handling
- Machine Control

EXPERIENCED

- Rockwell's ControlLogix Family
- Rockwell's CompactLogix Family
- Rockwell's MicroLogix Family
- Rockwell's SLC 500 Family
- Rockwell's PLC 5 Family
- Rockwell's RSLinx Family
- Rockwell's PanelView Plus
- Rockwell's FactoryTalk SE
- GE's Cimplicity HMI
- GE's iFix
- GE's Proficy Machine Edition
- GE's Industrial Gateway Server
- Siemens Step 7
- Kepware's KEPServerEX
- DirectLOGIC
- AutoDesk AutoCAD

CONTACT INFORMATION

doug.sells@quantumengr.com
Office: 480-699-7124 x111

480.669.7124
www.quantumengr.com

DOUG SELLS

DETAILED WORK

Building Management System

2015-2017

Boise, ID

Implemented a Building Management System (BMS) that monitors various critical systems in the owner's new world headquarters facility. Every component except for the fire system, was directly connected the BMS network. A remote I/O panel was designed and built to monitor a dewatering and irrigation skid. This system leveraged Wonderware's System Platform for redundancy and utilized three major communication protocols; Ethernet/IP, Modbus and BACnet. Various monthly reports are emailed to the owner for numerous systems, including geothermal and generator fuel usage.

Oil Disposal

2014

Alexander, ND

Project manager for various systems that cleaned oil from the fracking fields of North Dakota. This process separated water and sand from the raw oil. This system required the commissioning of four PLC panels, six VFDs and one skid system into service.

Lake Havasu City WWTP

2015-2016

Lake Havasu City, AZ

Converted the owner's four independent managed legacy Wonderware InTouch applications, into one centralized Wonderware System Platform application. All the major System Platform components were virtualized at the city's data center, which is monitored 24/7. Once the system was commissioned, the plant operators and supervisors could access all four plants regardless of what waste water plant or city facility they were at.

Cogeneration Steam Delivery System

2013-2014

Houston, TX

Implemented a redundant Schneider PAC system to utilize the owner's steam byproduct to produce power. This power was then purchased by the owner's power utility company. The redundant PAC system utilized remote I/O to deliver high pressure steam to a Siemens' turbine. After the completion of the cogeneration project, the system produced approximately 15 MW of electricity.

SAM Search Results
List of records matching your search for :

Search Term : quantum* integrated* solutions*
Record Status: Active

ENTITY	QUANTUM INTEGRATED SOLUTIONS INC	Status:Active
DUNS: 121160951	+4:	CAGE Code: 35RP6 DoDAAC:
Expiration Date: Oct 23, 2018	Has Active Exclusion?: No	Debt Subject to Offset?: No
Address: 2141 E BROADWAY RD STE 217		
City: TEMPE	State/Province: ARIZONA	
ZIP Code: 85282-1931	Country: UNITED STATES	

STATE OF ARIZONA
BOARD OF TECHNICAL REGISTRATION

■ Firm Registration ■

Firm Name
QUANTUM INTEGRATED SOLUTIONS, INC.

Firm Registration NO.:
16939

EXPIRES:
8/31/2018

Firm Address
2141 E Broadway Road
Suite 217
Tempe, AZ 85282

Engineer Disciplines
Control Systems Electrical

MELISSA CORNELIUS
EXECUTIVE DIRECTOR
FOR THE BOARD