

AGREEMENT

BETWEEN

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

AND

Siga Sec Global Inc.

TO CONDUCT A RESEARCH PILOT STUDY OF

SigaGuard Technology

AT THE LOCKPORT POWERHOUSE

.....

This Agreement contains 14 pages plus Appendix A.

(This page is the first page and signatory page is the last.)

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THIS PILOT STUDY AGREEMENT (the “**Agreement**”), effective as of the date on the Signatory Page (the “**Effective Date**”), is between **Siga Sec Global Inc.**, a corporation incorporated under the laws of Ontario, Canada, located at 20 Eglinton Ave. West, Suite 1008, Toronto, Ontario M4R 1K8 (“**Siga**”), and the **Metropolitan Water Reclamation District of Greater Chicago** (“**MWRD**”), a unit of local government and body corporate and politic body politic, individually referenced as “**Party**” or collectively as “**Parties**”.

RECITALS

WHEREAS, Siga develops anomaly detection and cyber security solutions for supervisory control and data acquisition (SCADA) / industrial control systems (ICS), helping critical infrastructure and industrial organizations monitor and detect anomalies in the operation of their SCADA-controlled, mission-critical operational assets; and

WHEREAS, Siga was referred to the MWRD by Current Innovations, NFP (“**Current**”) after Current found through its screening and assessment process that Siga’s anomaly detection product offering SigaGuard (“**SigaGuard**”) may be beneficial to MWRD’s mission or operations; and

WHEREAS, Siga desires to test SigaGuard under actual MWRD conditions, and MWRD desires to achieve improved process performance; and

WHEREAS, at least one of the MWRD’s wastewater treatment plants or other facilities could potentially benefit from the application of SigaGuard;

NOW, THEREFORE, in consideration of the mutual covenants and promises contained in this Agreement, and other good and valuable consideration, the Parties agree as follows:

TERMS AND CONDITIONS

1.0 SCOPE OF WORK

1.1 The location of the Project will be the Lockport Powerhouse (“**LPH**”). The MWRD will install Siga’s SigaGuard cyber security solution on pit gates at the LPH to allow Siga to analyze the input and output signals sent to the gates. The analysis will detect anomalies in operations and provide an additional layer of monitoring to potentially provide for greater cyber security at LPH. The foregoing may be referred to in this Agreement as the “**Pilot**”.

1.2 Unless otherwise agreed to by the Parties, MWRD will perform the installation and removal of all equipment as necessary in accordance with its labor and workplace rules and policies.

1.3 A detailed Scope of Work is set forth in Appendix A, which is incorporated into this Agreement by reference.

1.4 The SigaGuard technology and equipment used in this Pilot shall remain the sole property of Siga. Any procurement of equipment by the MWRD would be in accordance with MWRD's Purchasing Act 70 ILCS 2605/11.1, et seq. and the MWRD makes no representation that it will procure any equipment from Siga by its participation in this Pilot program.

2.0 PROJECT SCHEDULE

2.1 The pilot testing shall occur over a six-month performance period, with an option to extend the performance period to capture more data if both Siga and the MWRD agree to an extension. MWRD will make good faith efforts to proceed in accordance with the proposed schedule; however, the Parties agree that this Pilot will take lower precedence than MWRD's core operations and certain other research projects for assignment of MWRD resources, as prioritized at the sole discretion of MWRD. As a result, the Pilot may take longer than the allotted time as set forth in Appendix A. The Parties agree that MWRD is not liable in any way to Siga for any delay in the proposed schedule caused by, or contributed to, by MWRD for the Pilot, nor will Siga make or bring any claim for damages against MWRD arising out of not adhering to the proposed schedule. The Parties agree that if the proposed schedule is to be adjusted, MWRD will advise Siga as soon as practicable about such a delay.

3.0 CONFIDENTIALITY

3.1 To carry out the Pilot, it has been and may be necessary for Siga to disclose to MWRD certain proprietary information relating to the materials, technology, marketing activities and other know-how and information of Siga and its affiliates that is non-public and confidential ("**Confidential Information**"). MWRD will not disclose to any person, or use, Confidential Information of Siga and its affiliates, except solely as required for the purpose of the Pilot. Any testing and any results or data therefrom will be made available to MWRD for use in evaluating the performance of the Pilot but will otherwise remain Confidential Information of Siga and its affiliates hereunder.

3.2 All information meeting the foregoing definition which has been or will be provided for purposes of the Pilot, whether provided in tangible form, by electronic media, by visual display or orally, shall be considered to be Confidential Information of Siga and its affiliates for purposes of this Agreement, provided that (i) in the case of information provided in tangible form, by electronic media or by visual display, it is marked with, or

accompanied by, the legend “CONFIDENTIAL”, and (ii) in the case of information disclosed orally, such disclosure is identified as confidential when revealed and briefly summarized in a writing so marked, by referencing the date and general type of information disclosed, delivered to the MWRD within ten (10) calendar days. All information disclosed orally which is identified as confidential when revealed shall be treated as Confidential Information of Siga and its affiliates pending timely delivery of the writing referred to in clause (ii) above. Not considered Confidential Information is any information that: a) is or becomes available to the public through no breach of this Agreement; b) was already rightfully known to MWRD; or c) which becomes available to MWRD by a third-party under no obligations of confidentiality to Siga or its affiliates.

3.3 Any tangible information which the MWRD provides to Siga and is marked with the legend “CONFIDENTIAL” shall constitute Confidential Information of MWRD under this Agreement, and shall be treated as such by Siga. In the case of information disclosed orally, such disclosure is Confidential Information when identified as confidential when revealed and summarized in a writing so marked, referencing the date and type of information disclosed, delivered to Siga within ten (10) calendar days. All information disclosed orally which is identified as confidential when revealed shall be treated as Confidential Information pending timely delivery of the writing. Not considered Confidential Information is any information that: a) is or becomes available to the public through no breach of this Agreement; b) was already rightfully known to Siga; or c) which becomes available to Siga or its affiliates by a third-party under no obligations of confidentiality to MWRD.

3.4 Any data of MWRD obtained by Siga from, in connection with, related to, or as a result of, any SigaGuard cyber security solution installed at any MWRD facility shall be the sole property of MWRD and shall be treated as the Confidential Information of MWRD regardless of whether it is disclosed orally or in writing to Siga provided that such data is not available to the public through no breach of this Agreement by Siga. To the extent Siga acquires any ownership or other interest in such data, Siga hereby irrevocably assigns such interest to MWRD in perpetuity. All such data shall be stored by or on behalf of Siga only on servers physically located in the United States, in encrypted format only in accordance with prevailing industry standards, and MWRD shall be a third party beneficiary to any agreement with a third party hosting or storing any such data on behalf of Siga and MWRD shall have the right to pre-approve any such third party before it is provided with any such data. At the end of the term of this Agreement, Siga shall purge any such data from all its online and offline storage media.

3.5 If the receiving Party is required to disclose Confidential Information of the disclosing Party pursuant to judicial order, subpoena, the Freedom of Information Act, 5 ILCS 140/1 et seq. (“**FOIA**”), or other compulsion of law, the receiving Party will promptly provide prior to any such disclosure sufficient written notice to the disclosing Party so that the disclosing Party may seek an appropriate protective order or other remedy. The receiving Party may disclose only that portion of the Confidential Information that the receiving Party is legally compelled, or otherwise required, by law to disclose and the receiving Party must continue to treat such disclosed portion as Confidential Information of the disclosing Party.

3.6 Without limiting Section 3.5, in the event that MWRD receives a request or demand to disclose, inspect or copy Siga’s Confidential Information pursuant to FOIA, MWRD will (i) notify Siga of the request or demand as soon as practicable and (aa) coordinate with Siga the preparation and transmittal of a response denying the request for disclosure, inspection or copying of such Confidential Information, provided that the MWRD must comply with any required time restraints imposed by FOIA, and (bb) provide Siga the opportunity prior to disclosure of the Confidential Information of Siga or its affiliates to seek an appropriate protective order to prohibit the disclosure, inspection or copying of such Confidential Information.

3.7 Unless legally compelled to do so, at no time is Siga permitted to disclose MWRD’s Confidential Information directly, but, rather, all such disclosures will be handled directly by MWRD.

3.8 The obligations of confidentiality and non-use of Confidential Information shall continue for a period of two (2) years from the date of termination, with the exception of data covered by Section 3.4 of this Agreement whose confidentiality term and protection shall survive in perpetuity.

4.0 INTELLECTUAL PROPERTY RIGHTS AND OBLIGATIONS

4.1 All right, title and interest of each Party in any preexisting intellectual property (“Background IP”) shall remain the property of that Party. All right, title and interest in and to any inventions made or conceived during the Pilot relating to, based on or incorporating MWRD’s Background IP shall vest in and be solely owned by MWRD. All right, title and interest in and to any inventions made or conceived during the Pilot relating to, based on or incorporating Siga’s Background IP shall vest in and be solely owned by Siga.

4.2 All right, title and interest in and to any intellectual property, including copyrights, patents, patent disclosures and inventions (whether patentable or not), trade-marks, service

marks, trade secrets, knowhow, together with all of the goodwill associated therewith, derivative works and all other rights in and to the work product and other materials, generated, made or conceived solely by the employees, agents, contractors or representatives of Siga arising from or in connection with the Pilot shall be the sole property of Siga.

4.3 All right, title and interest in and to any intellectual property, including copyrights, patents, patent disclosures and inventions (whether patentable or not), trade-marks, service marks, trade secrets, knowhow, together with all of the goodwill associated therewith, derivative works and all other rights in and to the work product and other materials, generated, made or conceived solely by employees, agents, contractors or representatives of MWRD arising from or in connection with the Pilot shall be the sole property of MWRD.

4.4 All right, title and interest in and to any inventions and other intellectual property made or conceived jointly by employees, agents, contractors or representatives of both Parties and any patents which may issue thereon shall be jointly owned by the Parties and the Parties shall cooperate with each other with respect to prosecution, cost and maintenance thereof. Any costs associated with patenting inventions is subject to the MWRD's Board of Commissioners authorization.

4.5 With the exception of data covered by Section 4.6 of this Agreement, all right, title and interest in and to any data relating to SigaGuard, and its operation, shall vest solely in Siga.

4.6 All right, title and interest in and to the analytical data collected concerning MWRD and cyber security at LPH during the Pilot shall be owned by MWRD and may be used by MWRD in its sole discretion but such data may be provided to Siga upon request and used by Siga only in accordance with Section 4.8 of this Agreement. The Parties agree that MWRD will have the right to use the Pilot test results for its internal use only without charge, fee or royalties to Siga or any third party.

4.7 Prior to commencement of any work, Siga must provide MWRD with a valid, current license for any material, machinery, device, equipment, apparatus or process covered by a patent for which Siga or its affiliates are not the patent holder. Furthermore, Siga agrees to defend, indemnify and hold harmless MWRD for direct damages awarded by a court of competent jurisdiction against MWRD for patent infringement to the extent such damages arise from products or services provided by Siga under this Agreement in connection with and during the Pilot.

4.8 Any analytical data covered by Section 4.6 of this Agreement may be used by Siga for its internal research purposes only. Siga may not make any commercial use of any such data without MWRD's prior written consent. To the extent Siga uses such data to improve its SigaGuard cyber security solution or any other product or service, Siga shall provide MWRD with non-exclusive royalty-free rights to use such improvements for its own internal purposes subject to Siga's standard licensing guidelines.

4.9 Any materials, technology, know-how and information (collectively, the "**Pilot Materials**") provided to MWRD hereunder will be used only for the Pilot and for no other purpose without the written permission of Siga. The Pilot materials are provided solely for research and testing purposes within the framework of the Pilot and should not be used for commercial purposes without the written consent of Siga.

4.10 The provisions of Article 4.0 shall survive termination of the Pilot and this Agreement in perpetuity.

5.0 PUBLICATION

5.1 The Parties shall have the right to publish or otherwise disclose the results of the work performed during the Pilot, subject to the terms of Article 3.0 Confidentiality and Article 4.0 Intellectual Property Rights and Obligations. A copy of the proposed complete manuscript for publication or presentation materials for other public disclosure shall be submitted to the other Party for approval prior to any submission for publication or public disclosure, provided that in no event shall potentially patentable subject matter be disclosed without consent of the applicable Party.

The Party preparing the manuscript for publication or presentation shall give the other the opportunity to be an active co-author on the manuscript, provided the publication or presentation directly relate to, or arise from, the Pilot.

5.2 Subject to Section 5.1, neither Party shall identify the other Party in any products, publicity, press release, promotion, advertising or other materials to be disseminated to the public, nor use any trademark, service mark, trade name, logo or symbol that is representative of the other Party or its affiliates, whether registered or not, or use the name, title, likeness, or statement of any employee of the other Party without the other Party's prior written consent. Nothing in Article 5.0 shall prevent either Party from disclosing the existence of the other Party's identity for reporting purposes, including but not limited to annual reports, regulatory filings, mandatory conflict of interest disclosures, federal or other applications for funding.

6.0 INSURANCE

6.1 Siga will provide insurance for the pilot equipment as well as providing standard insurance coverage for its own employees working at LPH.

6.2 Siga, at its sole expense and prior to engaging upon the work agreed to be done, shall procure, maintain and keep in force during the entire term of the Agreement insurance coverage in the amounts set forth below with insurers authorized to do business in the State of Illinois with a Best's rating of no less than A:VII covering all operations under this contract. Exceptions to this clause are at the discretion of the District's Law Department.

1. Worker's Compensation	Statutory
2. Employer's Liability	
A. Each accident	\$1,000,000.00
B. Each employee-disease	\$1,000,000.00
C. Policy aggregate-disease	\$1,000,000.00
3. Commercial General Liability	
A. Per occurrence	\$1,000,000.00
B. General aggregate	\$1,000,000.00
C. General aggregate - Per project	\$1,000,000.00
D. Products/Completed	\$1,000,000.00
General aggregate	
4. Business Auto Liability	\$1,000,000.00
5. Valuable Papers	\$50,000.00
6. Electronic Data Processing	\$100,000.00

NOTE: THE CERTIFICATE SHALL CLEARLY STATE THAT THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO, ITS COMMISSIONERS, OFFICERS, AGENTS AND EMPLOYEES ARE ADDITIONAL INSURED UNDER THE COMMERCIAL GENERAL LIABILITY AND BUSINESS AUTO LIABILITY INSURANCES.

6.3 Any deductibles or other forms of retention set forth in Siga's insurance policies are the responsibility of Siga.

6.4 Prior to being permitted to engage upon the work, Siga shall furnish MWRD certificates which evidence the required insurance, original insurance policies or certified copies of the insurance policies.

6.5 Upon failure to provide such evidence of coverage and/or policies or certified copies of insurance within the time periods required, MWRD may direct Siga to cease all operations until the required documents have been provided to the MWRD. Such certificates of insurance and insurance policies must be accompanied by any required additional insured endorsements and provide that coverage may not be canceled, non-renewed, or materially reduced without providing thirty (30) days advance written notice by the insurer to the MWRD. All certificates of insurance, insurance policies and the insurance companies providing the coverage required herein are subject to the approval of the MWRD.

6.6 Siga is responsible for providing all required insurance for its own employees working on the Pilot from the date of arrival of the pilot unit to LPH to the date of its shipment from site.

7.0 ASSIGNMENT

7.1 Neither Party to this Agreement may assign any portion or all of its interest in this Agreement without the prior written consent of the other Party.

8.0 TERMINATION

8.1 This Agreement is effective as of the Effective Date and ends at the conclusion of the Pilot or 180 days, whichever occurs first, except as to those provisions governing Confidential Information and Intellectual Property Rights and Obligations and post-Pilot matters between the Parties or as otherwise set forth in this Agreement.

8.2 Either Party may terminate this Agreement for any reason at any time on ten (10) days' notice.

8.3 Upon termination of the pilot testing, MWRD trades will disconnect the installed equipment. Within twenty-one (21) calendar days of the later of the date the equipment is disconnected and the expiration or termination of this Agreement, Siga shall remove all of its property from the MWRD facility, unless MWRD provides an extension of time in writing. If Siga fails to remove its property from the MWRD facility within such timeframe, MWRD will, at its discretion, either have the property removed with the costs to remove charged to Siga, or leave the property on the premises and assume ownership of it.

9.0 INDEMNITY

With the sole exception of direct damages suffered by Siga or MWRD, as applicable, to the extent arising as a result of a breach of Articles 3.0, 4.0, 5.0 and 10.0 neither Party assumes

any risk or liability to the other Party under this Agreement or its performance of its obligations hereunder, howsoever arising whether in tort (including negligence), contract, equity or otherwise, and neither Party shall indemnify the other Party for any damages suffered as a result of the actions or inactions of the other Party.

Notwithstanding the foregoing, Siga employees must sign the District's standard Facility Visit Release and Indemnity Form, a copy of which will be provided to Siga.

Siga makes no representations or warranties under either this Agreement or in respect of the services or products made or provided pursuant to this Agreement, and there are no conditions, including any implied warranties or conditions of fitness for purpose or merchantability, with respect to the quality, performance, or operation of SigaGuard(s) or any other product, good or service provided hereunder.

10.0 OWNERSHIP OF DOCUMENTS

During the performance of the Pilot, all documents, including but not limited to printed copies, electronic files, reports, investigations and studies, completed or partially completed, provided by one Party to the other for use by the other Party remain the property of the providing Party at all times. The Party possessing the other Party's provided documents will be liable to providing Party for any direct loss of or damage to such documents while they are in the possession of that Party.

11.0 CHOICE OF LAW

This Agreement is governed by, and construed in accordance with the laws of the State of Illinois in all respects, including matters of construction, validity, performance, and insurance claims. The proper venue to resolve disputes, which may arise out of this Agreement, is an appropriate court of competent jurisdiction located in Cook County, Illinois.

12.0 EQUIPMENT AND TRAVEL

Each Party shall be responsible for the costs of their own travel. Each Party shall be responsible for the costs of their own equipment and labor to the extent of the responsibilities outlined in the Scope of Work in Appendix B.

13.0 PAYMENT

There is no payment for services or equipment expected by either Party to the other under this Agreement.

14.0 FORCE MAJEURE

Any delay or failure of either Party to perform its obligations hereunder shall be excused if, and to the extent that it is caused by an event or occurrence beyond the reasonable control of the Party and without its fault or negligence, such as, by way of example and not by way of limitation, acts of God, actions by any governmental authority (whether valid or invalid), fires, floods, windstorms, explosions, riots, natural disasters, wars, sabotage, labor problems (including lockouts, strikes and slowdowns), inability to obtain power, material, labor, equipment or transportation, or court injunction or order.

15.0 REGULATORY COMPLIANCE

MWRD and Siga agree to comply with all federal, state and local laws, executive orders, rules, regulations and ordinances which may be applicable to such Party's performance of its obligations under this Agreement.

16.0 CITIZENSHIP

Where applicable, no person shall be employed upon contracts for work to be done by any such sanitary district unless he or she is a citizen of the United States, a national of the United States under Section 1401 of Title 8 of the United States Code, an alien admitted for permanent residence under Section 1101 of Title 8 of the United States Code, an individual who has been granted asylum under Section 1158 of Title 8 of the United States Code, or an individual who is otherwise legally authorized to work in the United States (70 ILCS 2605/11.5). Siga agrees to comply with all federal laws that may be applicable to the scope of work carried out under this Pilot.

17.0 NO IMPLIED WAIVER

The failure of either Party at any time to require performance of any provision of this Agreement shall in no way affect the right to require such performance at any time thereafter, nor shall the waiver of either Party of a breach of any provision constitute a waiver of any succeeding breach of the same or any other provision.

18.0 RELATIONSHIP OF PARTIES

Siga and MWRD are independent Parties and nothing in this Agreement shall make either Party the employee, agent, or legal representative of the other for any purpose whatsoever, nor does it grant either Party any authority to assume or to create any obligation on behalf of or in the name of the other.

19.0 SEVERABILITY

If any term of this Agreement is invalid or unenforceable under any statute, regulation, ordinance, executive order or other rule of law, such term shall be deemed reformed or deleted, but only to the extent necessary to comply with such statute, regulation, ordinance,

order or rule, and the remaining provisions of this Agreement shall remain in full force and effect.

20.0 ENTIRE AGREEMENT

With the exception of the Mutual Non-Disclosure Agreement entered into between the Parties on January 24, 2017, this Agreement, together with the attachments, appendixes, exhibits or supplements, specifically referenced in this writing, constitutes the final and entire agreement between Siga and MWRD with respect to the matter contained herein and supersedes all prior or contemporaneous oral or written representations, statements, understandings and agreements regarding such subject matter. Any modification, alteration or amendment to this Agreement must be in writing and signed by authorized representatives of each Party hereto.

21.0 APPENDICES

The following documents are made part of this Agreement:

Appendix A: Scope of Work

SIGNATORY PAGE

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement, to be effective as of the date of the last signature below.

For: SIGA SEC GLOBAL INC.

By: _____ Date: _____
Signature, Print: Individuals Name and Title

Attest: _____ Date: _____
Signature, Print: Individuals Name and Title

For: METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Executive Director Date: _____

Chairman of the Committee on Maintenance and Operations Date: _____

Attest:

Director of Finance/Clerk Date: _____

Approved as to Technical Matters:

Director of Maintenance and Operations Date: _____

Approved as to Form and Legality:

Head Assistant Attorney Date: _____

General Counsel Date: _____

Appendix A: Scope of Work

SigaGuard Pilot Study Project Metropolitan Water Reclamation District Scope of Work

Introduction:

Pursuant to the Pilot Study Agreement entered into between the Metropolitan Water District of Greater Chicago (“MWRD”) and Siga SEC Global Inc. (the “Siga”), MWRD has authorized Siga to install *SigaGuard* anomaly detection device(s) (“*SigaGuard*”) on its premises under a six (6) month pilot project (the “Pilot”).

Objectives:

The objective of this Pilot is to demonstrate how *SigaGuard* employs machine learning-based predictive analytics algorithms to monitor and analyze electrical signals between programmable logic controllers (“PLC”) and key MWRD end-point devices and to detect anomalies by focusing on electrical performance at the equipment and system level. This will, in turn, allow MWRD operators to confirm that the subject system is operating as intended, and will provide an early warning at the first sign of an anomaly in the operation of the equipment relative to the desired output.

Period of Performance:

The Pilot will encompass three (3) key steps over a period of six (6) months, commencing on or about February 1, 2018:

1. Installation and integration of *SigaGuard* technology to the designated MWRD control system/process, including a survey of the asset(s), definition of the configuration requirements and installation (two (2) – three (3) weeks total). Additional detail on the *SigaGuard* installation process is outlined below.
2. Data collection and autonomous process learning period for the defined input/output(s) (“I/O(s)”) (est. eight (8) to ten (10) weeks)
3. Full detection of process anomalies and performance of the control system, including testing to assess the anomaly detection functionality of the *SigaGuard* device relative to the MWRD industrial control system (balance of the Pilot)

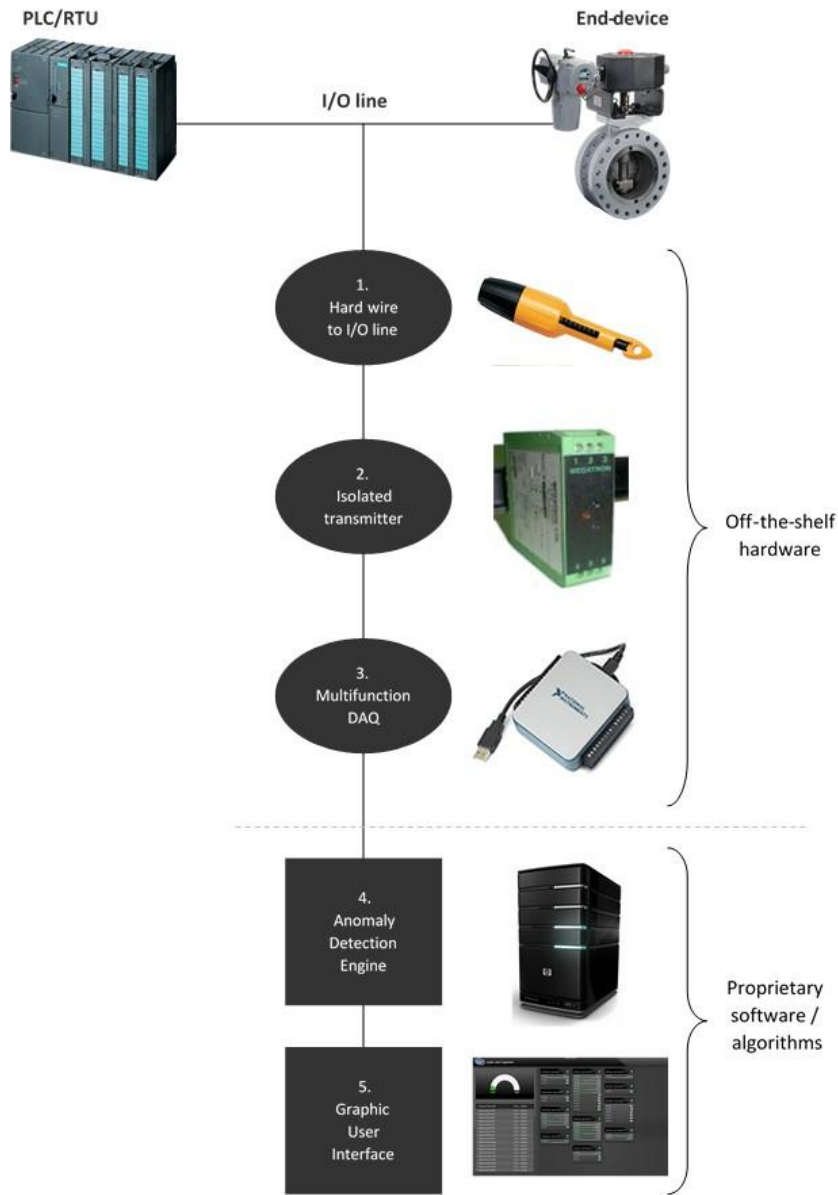
Activity	Duration (months)	1	2	3	4	5	6
Critical Assets Survey	1 week (concurrent)						
Definition of Configuration Requirements	1 week (concurrent)						
Installation of Data Collector	2 weeks						
Learning: Data Collection and Analysis	8 - 10 weeks						
Operations, Testing, Fine Tuning	3 – 4 months						

Place of Performance:

The Pilot will take place in designated MWRD location(s), with the *SigaGuard* device physically installed at the Lockport Powerhouse, and any additional locations as may be mutually agreed by the Parties.

Work Requirements:

As illustrated in the following diagram, the *SigaGuard* solution for MWRD will be comprised of off-the-shelf hardware and proprietary software. There will be five core modules and steps in the installation of the solution, as described below. The choice of hardware device will be determined by the operating range of four parameters for the particular I/O module in use, as described below. The specific off-the-shelf hardware device will be mutually agreed upon in order to enable maximum flexibility and optimal performance.



SigaGuard installation and operations: The following steps outline the process of installation and operations:

1. **Hardwiring to I/O line:** There will be three options for the physical connection between the MWRD system(s) or processes to be monitored and the *SigaGuard* hardware, including: (1) hard wiring by connecting the wire to the PLC's output screw, (2) hard wiring by piercing the I/O line with a Fluke probe, or (3) Hall effect / current transformer. The hardwiring of each I/O probe can be completed with no down-time by first installing a temporary bypass to enable an unimpeded flow of current. Once the bypass is installed by splicing into the I/O wire, the probe is connected, after which the bypass is removed. Alternatively, hardwiring can be done using a splitter to give simultaneous access to the I/O's signals, or a traditional

contact that needs no more than 10 minutes of downtime while the contact screw is opened, the wire connected, and the screw then closed.

2. **Isolated transmitter:** The probe will then be connected to an isolated transmitter, which has two purposes: (1) to convert different input signals (I/V, DC) to standard signal 4 - 20mA or 0 - 10V or others, whichever the application requires, and (2) to serve as a unidirectional gateway, preventing any possibility of a return signal reaching the I/O that is being monitored. The choice of hardware device will be determined by the operating range of four parameters for the particular I/O module in use. The specific hardware device is then chosen to enable maximum flexibility and optimal performance.

- Input voltage: 0-264 volts AC; 0-150 volts DC
- Input current: 0.5-15 mA @ rated voltage
- Output operating voltage: 5-30 volts DC; 50-250 volts AC
- Maximum load: 2 amps per output

3. **Multifunction data acquisition device ("DAQ"):** Finally, the signals coming out of the transmitter DAQ. The DAQ will be connected to Siga's end-point machine (e.g. via a USB port), which in turn will convert the acquired data to its digital representation and send it to the main processing server over a TCP/IP network.
4. **Anomaly detection engine:** The algorithms at the heart of the *SigaGuard* anomaly detection engine software are built on advanced predictive analysis algorithms that employ machine learning to achieve maximum flexibility, accuracy, and reliability. The software package will be downloaded by the installer during the installation process on-site to a dedicated, off-the-shelf server located in MWRD's control room or any other secure location chosen by MWRD.
5. **Graphic User Interface:** System status information will be presented on a user-friendly, intuitive graphical intuitive interface dashboard that will show overall current system state of health, including when there is reason to believe that there is an anomaly in the I/O from either a compromise or equipment problem. It will also display the state of each monitored I/O and its status assessment as well as a log of all major events.

The Scope of Work is hereby accepted by:

MWRD

By: _____ Name: _____

Date: _____ Title: _____

SIGA SEC GLOBAL INC.

By: _____ Name: _____

Date: _____ Title: _____