Survalent.

Utiliverse™ ecosystem

Quotation:

City of Needles

SCADA

Quotation No. A25_7_611524

July 30, 2025

Item	Qty	Description	Price (USD)
		System Material	
001	1	**SMS Remote Alarm Annunciation Modem (for Verizon Wireless)** LTE Cat 4 Cellular Router compatible with AT Commands for SurvalentONE Remote Alarm Annunciation. The accessory kit includes a power supply with a US power plug, a cellular. antenna, and antenna cables. Note: Please note that the brand and model are subject to change based on availability at the time the order is received.	INCLUDED
		SurvalentONE SCADA Licenses	
002	1	**SurvalentONE Base SCADA Software [Single Server]** The base SCADA license includes data acquisition, data processing, alarm and event processing, and historical data management functions. It also includes the STC Explorer database editor which includes editing tools for database points, access control, control zones, system parameters, station cloning, point modelling, and setup of advanced applications. Other features include command sequencing, alarm suppression, event data recording and archiving, IED control panels, mapboard driver, and remote alarm annunciation. Note: SurvalentONE SCADA software licenses are valid for up to 10,000 points.	INCLUDED
003	3	**SurvalentONE SmartVU (Concurrent Users)** SmartVU provides a modern, intuitive, user friendly user interface for managing the distribution network using high quality graphics driven by a powerful graphics engine. The SmartVU environment includes a tabbed interface that provides quick access to a large number of graphic displays including single-line diagrams, geographical maps, trend graphs, summary displays, operations log, and tabular views of the distribution network. The graphic displays support layers, panning, zooming, decluttering, dynamic line coloring, hyperlinks, and other dynamic display features as well as standard graphics formats such as JPG, BMP, PDF, etc. One license is required for each concurrent user.	INCLUDED
004	1	**SurvalentONE Standard DNP3 Protocol** The DNP3 scan task is designed to communicate with one or more devices that use the DNP3 protocol over serial asynchronous or TCP/IP communication lines. The scan task conforms to Level 2 of the DNP3 Application Layer protocol as specified in the Subset Definitions published by the DNP3 User's Group. This license is for the standard DNP3 protocol implementation, Secure DNP3 Protocol is also available under a separate license.	INCLUDED

Item	Qty	Description	Price (USD)
005	1	**SurvalentONE IED Wizard** IED Wizard is a tool that automates the creation of the database for an intelligent electronic device (IED). In just a few simple steps, the wizard creates the required points in the SCADA system database. All of the telemetry and control addresses are generated automatically. The IED Wizard completely eliminates the tedious error-prone data entry of telemetry addresses and mapping tables. The IED Wizard contains an extensive library of the most common IEDs available on the market, including SEL, Cooper, ABB, Beckwith, and PML.	INCLUDED
006	1	**SurvalentONE Network Topology Processor** The Network Topology Processor application calculates the energized/de-energized status of electric, gas and water line sections, and displays them on world maps. The calculation is based on the topology of the system and the current status of breakers and valves. For an electrical line section, the system supports 3-phase distribution, and computes the status of each phase independently, such that line sections that are downstream of non-ganged switching devices may contain a mix of energized and de-energized phases. The user can specify colors for "partially energized" or "partially looped" etc. The topology processor includes a feeder trace function that allows the user to select a trace color and have the extent of a feeder highlighted in the selected trace color. Multiple simultaneous traces in different colors are supported.	INCLUDED
		Survalent Professional Services	
007	1	**Project Management** Survalent will assign a Project Manager to coordinate the activities of the project including kickoff meeting, project schedule, project status report, managing resources, coordinating remote services, and coordinating on-site activities.	INCLUDED
008	1	**Remote Service of Workshops (Three Sessions)** Remote Services for the design workshops including architectural workshop, database & graphics initial workshop and follow up workshops. This meeting is intended to explain the requirements from the Customer's perspective, address any questions, and review the database and graphics design outlines for the Database & Graphics creation. It is typically conducted in three sessions, each lasting 2 hours.	INCLUDED
009	1	**Remote Service of Database and graphics generation for 2 substations** Included: 1)Database conversion with the utilization of method of direct mapping or with the use of IED Wizard for building database with the following specification:	INCLUDED

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Item	Qty	Description	Price (USD)
		a)Substations: 2	
		b)Total DB points: max. 1000	
		c)Typical reports: 1	
		d)Historical datasets: for a max. 200 points	
		e)Calculations for max. 10 points	
		Note: The following services are not included:	
		a)Building new IED templates not in Survalent library .	
		b)Building command sequence	
		c)Creating calculated points	
		2)Graphics development:	
		a)Views: 4 (max)	
		-System overview (1)	
		-Substation SLD (2)	
		-Communication view (1)	
		b)Trend Graphs: max. 15	
		c)Implementation of standard library or customized control panels for the devices in substation.	
010	1	**Remote Service of Network Topology Implementation for 2 substation SLDs** Included: a)Preparation of resources for network topology implementation (colors, color tables, fonts and pmacros); b)Applying network topology on substation level for 2 substations.	INCLUDED
011	1	**Onsite System Installation, Commissioning and Operation Training** Five consecutive days of on-site system engineering services for database and graphics, system installation, commissioning, testing, performance tuning, and/or training. Services purchased on a project order must be used before the end of system commissioning. Services purchased outside a project order will be invoiced on receipt of order, and must be used within 6 months unless mutually agreed by both parties. No refund will be provided for any unused hours.	INCLUDED

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Item	Qty	Description	Price (USD)
012	1	**Onsite SCADA Training - System Administration – Level 1** This 5-day onsite course is designed for individuals who will be responsible for installation, configuration, and maintenance of the SCADA System. Topics covered include SCADA client/server architecture, database generation and maintenance, display generation and maintenance, SCADA attributes (alarm priorities, analog limits, etc.), historical data, trend graphs, topology processor, system backups, trouble-shooting techniques, maintenance procedures, and more. Note: Training is for up to 5 attendees.	INCLUDED
		Total Price	**$130,876**
		Optional Survalent Professional Services	
013	1	**Bronze SCADA Support Plan [1 Year]** The Bronze SCADA Support Plan provides the following: a) Access to the latest software releases of the delivered software components, effectively providing an extended warranty on these software components and providing access to the latest product features. b) Access to the Survalent Support Portal which includes the ability to create and track support cases, and provides access to software downloads, product documentation, knowledge base articles, and support forums. c) Access to technical support from the Survalent Support Desk during business hours. Cases will be treated on a first-come, first serve basis.	$6,250

End User: City of Needles

Shipping Terms: EXW Ontario, Canada

Shipment approximately 14 To 16 weeks from receipt of purchase order.

Please send purchase order to stcorder@survalent.com

Unless otherwise noted, prices do not include applicable state, provincial, federal, withholding or other local taxes or tariffs. Applicable taxes will be included in each invoice. Should the purchaser claim an exemption from any applicable state, provincial, federal, withholding or other local taxes, the purchaser shall provide such exemption information to Survalent.

This quote is valid until September 28, 2025 and is based on Survalent (a) Standard Terms and Conditions of Sale, (b) Software License Agreement, and (c) Support and Maintenance Terms and Conditions, as applicable.

Note 1: SurvalentONE SCADA software licenses are valid for up to 10,000 points and includes 12 months warranty from date of operational use.

Note 2: Software licenses are non-refundable and cannot be exchanged.

Note 3: Survalent reserves the right to issue temporary licenses until payment has been received in full.

Note 4: Survalent reserves the right to periodically audit the end user system configuration to ensure the software has been deployed in accordance with the Survalent Software License Agreement.

Note 5: Standard payment terms are 40% at the end of project kickoff, 30% on completion of database and graphics, 20% at the end of commissioning, and 10% on project closure.

Note 6: Hardware delivery time may vary based on availability from the manufacturer when receiving the order.

Note 7: Services will be scheduled at a mutually agreeable time. Customer changes to the agreed schedule may result in an additional charges.

Note 8: All Hardware will be provided by the customer, except for SMS modem. Refer to the recommended components of SCADA Host and Workstation.

Note 9: Packing and Shipping - Hardware will be packaged and shipped to the designated destination under EXW terms. As such, Survalent will pack and label the equipment for shipment and provide notice to the Customer that the equipment is ready for pickup at our factory. Customer is responsible for all costs and risks from the point of pickup to the final destination. This includes loading the goods, arranging transportation, handling export and import procedures, paying export and import duties and taxes, and paying for all other associated costs.

Note 10: This quote assumes file-based licensing. If dongles are required, an additional cost will apply.

This quotation is not valid unless signed by an authorized representative of Survalent.

Prepared By: _____

Weijun Ren, Proposal Specialist

Approved By: *Nivedita Pandit* _____

Nivedita Pandit, Proposal Team Lead

Physical Hardware Recommendations

Production ADMS Server
DELL PowerEdge R660xs Rack Server (or equivalent)
1 x Intel® Xeon® Silver 4309Y 2.8G, 8C/16T
32GB RAM
2 x 480GB Solid State Drive (RAID-1)
Windows Server 2022 Standard Edition (16 Cores)
Accessories:
+ Dual, Hot-plug, Power Supply Fully Redundant (1+1), 1400W, Mixed Mode
+ Trusted Platform Module 2.0 V3
+ ReadyRails Sliding Rails With Cable Management Arm

Note: All the SSD should be SATA Mix 6Gbps, 2.5in Hot-plug, 3 DWPD.

Operator Workstation
DELL Precision T5860 Workstation (or equivalent)
1 x Intel Xeon W-2235 3.8GHz 6C/12T
16GB RAM
2 x 512GB Solid State Drive (RAID-1)
NVIDIA Quadro P400 (5820T)
Windows 11 Professional Edition
Accessories:
+ 1Gbit NIC add-in card (PCIe- Intel)
+ 8X DVD+/-RW

Better Software.
Better Decisions.

With Survalent, you can control your critical network operations with confidence. We're the most trusted provider of advanced distribution management systems (ADMS) and substation automation for electric, water/wastewater, oil & gas, renewable energy, and transit utilities across the globe.

Over 700 utilities in 40 countries rely on the SurvalentONE platform to effectively operate, monitor, analyze, restore, and optimize operations. By supporting critical utility operations with a fully integrated solution, our customers have significantly improved operational efficiencies, customer satisfaction and network reliability. Our comprehensive substation automation solution, Survalent StationCentral, delivers advanced control and monitoring for enhanced network performance and protection.

Our unwavering commitment to excellence and to our customers has been the key to our success for over 60 years.

100% Project Delivery. We Guarantee It. Ask Us How.

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