



ALBERTA

DIRECTORY OF AUTOMATION

isaalbertadirectory.ca

2020 - 2021

truck drivers
power eng
system integ
petroleum eng
food industry
care takers
family doctors
systems prog
physicians
child care worker
healthcare tech
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drilling tech
processing eng
pharmacists
paramedical
laboratory tech
plastics eng
nurses
instrumentation
HEROS
FRONT-LINE
instrument specialist
aerospace
industrial tech
chemical eng
mechanic
Automation
electronics tech
electrician
medical suppliers
kitchen staff
hydro
farmers
materials eng
physiotherapists
linemen worker
waterworks tech
teachers
operations eng
police services
machining trades
utilities worker
healthcare provider
supply chain worker
judges
firefighters
metalworking trade
transport drivers
electrical eng
dentist

Thank You

27th
EDITION

ALBERTA DIRECTORY OF AUTOMATION

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Visit the Online Directory
isaalbertadirectory.ca



**Edmonton
Section**

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3480 - 87 Street NW
Edmonton, AB T6K 0J4



**Calgary
Section**

ISA Calgary Section
PO Box 38183 RPO Country Hills
Calgary, AB T3K 5G9

EDMONTON

PRESIDENT'S MESSAGE



President



President Elect

Our section decided to re-elect the same board for the incoming year and its only fitting that this year President's message will be a collaboration of current President and President Elect, Arthur Kloc and Allen Brennan.

We need to survive as a section and become more relevant to our members by providing our top notch monthly technical talks, but delivered electronically.

We start with AEC 2020, the ISA Edmonton Section Automation Expo & Conference on October 28, this will be our first "remote" conference and a test case.

These are challenging times for all of us and we ask you to continue to support the Edmonton ISA section by joining or maintaining your membership and getting actively involved in our operation.

We invite you to share your ideas how we can provide better service to industry professionals using electronic delivery methods. At the same time we promise to grow & diversify our automation community as our industry evolves.

Arthur Kloc
ISA Edmonton Section President

Allen Brennan
ISA Edmonton Section President Elect

EDMONTON 2020 - 2021 BOARD MEMBERS

President

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CALGARY

PRESIDENT'S MESSAGE



On behalf of the ISA Calgary Section, I would like to welcome you to the 27th Edition of ISA Alberta Automation Directory of Automation Technical Handbook for 2020- 2021.

The ISA Alberta Directory of Automation is both online and in print. It is your most comprehensive resource for finding instrumentation, systems and automation suppliers serving the Alberta market. You can also visit our on-line directory at www.isaalbertadirectory.ca.

Key features of the customized and interactive website are:

- Expanded Supplier Profiles
- Advanced Search Features
- News, Announcements, Videos and Feature Products

The directory is a useful tool for keeping all of us current with the products and services available to our industry in Alberta, plus it includes some helpful information in the technical section.

I would like to take a moment to extend a thank you to all ISA members for supporting your local sections. If you are not an ISA member yet, I encourage you to join for the many benefits that are available to you. These include: ISA specifications and standards; ISA publications; ISA web seminars and training; industry networking; local section technical programs; and many others. Visit the ISA web page (www.isa.org) for more information including the membership benefit comparison and online membership processing.

The ISA Calgary Section will continue to publish the e-newsletter "Trend" monthly from September to June. Our newsletter, the ISA Calgary website and social media are our primary means of communicating to our members. In the "Trend" you will find events planned for this year and other features like photos from recent events, recognition of new members, and upcoming education courses. Our Calgary Section web page (www.isacalgary.ca) also includes local event schedules and registration, industry news and website links, access to this directory, and our contact information. You can also find us on LinkedIn by searching for 'ISA Calgary Section'.

Your ISA Alberta executives hope you find this directory helpful. Please contact your local section executives if you would like to provide feedback on this directory or any other matters related to ISA. New volunteers are always welcome!

Thank you to all the volunteers, members, and corporations that help make the ISA Calgary Section a success. I look forward to seeing many familiar faces, as well as some new ones, at our events this year.

Ryan Warrington
President – ISA Calgary Section

CALGARY 2020 - 2021 BOARD MEMBERS

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MEMBERSHIP

BENEFITS AT A GLANCE

Access tabletop technology exhibits, subject matter experts, networking and leadership opportunities, and local employment opportunities through geographic sections

Online viewing of over 150 standards, recommended practices and technical reports

Discounts on training, publications, and event registration

Unlimited downloads of technical papers (more than 5,500 of them)

Online, pre-recorded web seminars on key topics and trends

Two technical division memberships

Participation in Leadership Development Certificate Program

Online networking via *ISA's LISTSERV*

Access to the member directory

Subscriptions to *InTech*, the premier magazine for automation professionals, and the *Automation Weekly* enewsletter

Online access to *ISA Transactions*, which covers the latest advances in measurement and automation

Online resume posting on *ISA Jobs*

Online access to *ISA Insights*, monthly member newsletter

A wide range of personal privileges, from discounted auto and group insurance rates to savings on hotel room reservations. For a full list of personal privileges provided, as well as more details on ISA member benefits, visit www.isa.org/memberbenefits



Join or Renew Online:
www.isa.org/joinisa

Additional ways to join or renew:

Mail this form to: ISA, PO Box 12277, Research Triangle Park, NC 27709-0185, USA
Fax this form to: +1 919-549-8288

Call ISA Customer Service at: +1 919-549-8411
Email ISA Customer Service at: info@isa.org

1. Member Information Please print clearly.

☐ Mr. ☐ Ms. ☐ Dr. Name: Last/Family/Surname _____ First/Given _____ Middle _____
(Include suffix and/or professional designation)

☐ PE ☐ CSE ☐ CCST® ☐ CAP® ☐ CMRT

Company _____ Position/Title _____

Correspondence will be sent to this address: This is your: ☐ Home Address ☐ Business Address To have a second address on record, enter it at www.isa.org.

Mailing Address/PO Box _____ Mail Stop _____

City _____ State/Province _____ Postal Code _____

Country _____ Email Address _____

Telephone ☐ Mobile ☐ Home ☐ Business _____ Fax _____
(include area code or country and city code) (include area code or country and city code)

Birth date ____/____/____ Twitter username _____ LinkedIn public profile URL _____
mm dd yyyy

Have you ever been a member of ISA? ☐ No ☐ Yes Member No. _____

Highest equivalent degree earned: ☐ High school/Secondary ☐ Associate (2-Year) ☐ Bachelor's/Undergraduate ☐ Master's/Graduate ☐ Doctorate/Post graduate

ISA will assign you to the closest local Section. If you have a Section preference, please list it here: _____

Students Only: Required: University Name _____ **Required:** Date of expected graduation (mm/dd/yyyy) _____

2. Industry and Job Information

Check your standard industry classification (SIC): (choose only one)

- ☐ 0000 Other
- ☐ 1000 Metal Mining
- ☐ 1300 Oil & Gas Extraction
- ☐ 1700 Construction
- ☐ 2000 Food
- ☐ 2100 Tobacco Products
- ☐ 2200 Textiles
- ☐ 2600 Pulp, Paper & Allied Products
- ☐ 2800 Chemicals
- ☐ 2830 Pharmaceuticals
- ☐ 2900 Petroleum Refining & Related Industries
- ☐ 3000 Rubber & Miscellaneous Plastics
- ☐ 3200 Stone, Clay, Glass & Concrete Products
- ☐ 3300 Primary Metals

- ☐ 3400 Valves, Fittings, Fabricated Metal Prods
- ☐ 3500 Industrial Machinery & Equipment, including Computers
- ☐ 3600 Electronic & Other Electric Equipment
- ☐ 3660 Communications Equipment
- ☐ 3670 Semiconductors & Electronic Components
- ☐ 3700 Transportation
- ☐ 3710 Transportation-Automotive
- ☐ 3720 Transportation-Aircraft
- ☐ 3760 Transportation-Aerospace
- ☐ 3800 Instrmnt/Measmnt/Analysis & Ctrl Apparatus
- ☐ 3840 Medical Instrumentation & Systems
- ☐ 4600 Utilities-Pipelines except Natural Gas
- ☐ 4810 Communications

- ☐ 4900 Utilities
- ☐ 4910 Utilities-Electrical
- ☐ 4920 Utilities-Natural Gas
- ☐ 4930 Utilities-Combo (Nuclear/Foss Fuel, etc)
- ☐ 4940 Utilities-Water/Wastewater
- ☐ 5000 Instrument & Ctrl Apparatus Sales & Svce
- ☐ 7370 Systems Integration
- ☐ 8200 Education
- ☐ 8710 Engineering Services
- ☐ 8730 Research, Development & Testing
- ☐ 8740 Management Consulting
- ☐ 9100 Government

Check your primary job function: (choose only one)

- ☐ 1 Product Design Engineering including applied R&D
- ☐ 3 Engineering Management
- ☐ 4 Integrator/Re-seller
- ☐ A General or Corporate Management
- ☐ AB Management Information Systems
- ☐ AD Factory Automation Systems
- ☐ AG Engineering Consulting
- ☐ AH Supply Chain Management
- ☐ AI Environmental Controls
- ☐ AJ Safety Systems Engineering
- ☐ AK Automation Engineering

- ☐ AN Instrument Engineering
- ☐ AO Process Engineering
- ☐ AP Networking/Communication Systems
- ☐ AQ OEM Product/Systems Engineering
- ☐ AS Project Management
- ☐ AT Engineering (Other)
- ☐ AU Student
- ☐ B Control Systems Engineering
- ☐ D Production Engineering
- ☐ E Plant Engineering, Operations and Maintenance
- ☐ F Software Engineering

- ☐ G Plant Information Systems
- ☐ H Systems Integration
- ☐ I Measurement, Testing, Quality or Stds Engrg
- ☐ J Research & Development
- ☐ K Technical or Engineering Support
- ☐ M Purchasing/Procurement
- ☐ N Education
- ☐ O Marketing or Sales
- ☐ S Systems Design Engineering
- ☐ P Other _____

3. Signature This application cannot be processed without your signature.

OVER →

Signature: _____ Date: _____

4. Membership Dues

Membership Types (Choose one)

- | | |
|---|--|
| <input type="checkbox"/> ISA Membership — 1 year 130 USD | <input type="checkbox"/> ISA Membership in Reduced-dues Countries* — 1 year 65 USD |
| <input type="checkbox"/> ISA Membership — 2 years SAVE USD 15! 245 USD | *Contact ISA for the current list of countries. |
| <input type="checkbox"/> ISA Membership — 3 years SAVE USD 45! 340 USD | <input type="checkbox"/> Automation Affiliate Membership for members |
| <input type="checkbox"/> ISA Student Membership — 1 year 10 USD | of Automation Federation — 1 year 65 USD |
| <input type="checkbox"/> Virtual Student Membership — 1 year 5 USD | Your Affiliate Organization: _____ |

Optional Benefits (Multiply price by number of ISA membership years.)

- ☐ **InTech** — To receive a digital edition of *InTech* instead of a printed edition, check here. **Free**
- ☐ **InTech Air Mail Option** — To receive *InTech* by air mail for members outside US:
Europe, Canada, India, Central and South America, and Japan **120 USD/year****
- ☐ **ISA Transactions Print Subscription** — A publication of the best technical articles in your profession; 6 issues **99 USD/year****

**Not available for Automation Affiliate and Automation Community Subscribers.

NOTE: ISA dues include a subscription to *InTech* for which a nondeductible annual allocation of 9.52 USD is made for members and 0.87 USD for student members.

ENTER TOTAL DUES AMOUNT HERE

USD

5. Division Membership

Two divisions are free—additional divisions cost 10 USD each.
For Automation Affiliate Members and Community Subscribers, each division costs 10 USD.

Industries and Sciences Department:

- | | |
|---|--|
| <input type="checkbox"/> Building Automation Systems (I) | <input type="checkbox"/> Mining & Metals Industries (V) |
| <input type="checkbox"/> Chemical & Petroleum Industries (G) | <input type="checkbox"/> Power Industry (O) |
| <input type="checkbox"/> Construction & Design (K) | <input type="checkbox"/> Pulp & Paper Industries (L) |
| <input type="checkbox"/> Education (E) | <input type="checkbox"/> Water & Wastewater Industries (X) |
| <input type="checkbox"/> Food & Pharmaceutical Industries (R) | |

Automation and Technology Department:

- | | |
|--|--|
| <input type="checkbox"/> Analysis (A) | <input type="checkbox"/> Process Measurement & Control (H) |
| <input type="checkbox"/> Automatic Controls & Robotics (M) | <input type="checkbox"/> Safety & Security (S) |
| <input type="checkbox"/> Communications (D) | <input type="checkbox"/> Test Measurement (J) |
| <input type="checkbox"/> Automation Project Management & Delivery Division (W) | |

Technical Interest Group: (No Charge) ☐ Leak Detection & Repair

Number of additional divisions joined x ISA membership years x 10 USD = USD

ENTER TOTAL DIVISION DUES AMOUNT HERE

USD

6. Contributions

- | | |
|---|--|
| <input type="checkbox"/> Education Foundation: USD* _____ | <input type="checkbox"/> Standards Endowment: USD* _____ |
| <input type="checkbox"/> General Fund: USD _____ | <input type="checkbox"/> Life Member Fund: USD _____ |

All donations are tax deductible in the US. (*Donations of 25 USD or more are matched by ISA.)

ENTER TOTAL CONTRIBUTION AMOUNT HERE

USD

7. Payment

To make a credit card payment, visit www.isa.org/join to complete the application, or contact info@isa.org.

☐ Check payable to ISA ☐ Money Order ☐ Wire Transfer—Please contact info@isa.org.

ENTER TOTAL AMOUNT DUE HERE

USD

By completing this application, you acknowledge that ISA needs the information to service your membership. Occasionally, we make this information available to companies whose products or services may be of interest to you. Review ISA's complete Privacy Statement at www.isa.org/privacy or request a copy at info@isa.org.

☐ Do not release my name and contact information to companies selling products and services. ☐ Do not call me about ISA activities.



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- Data/Event logger
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HD Triple IR Flame Detector

- Integral HD quality video, with event recording
- 1 minute pre- and up to 3 minutes post alarm initiation
- 40ms - for a fast fire burst or explosion
- Extreme sensitivity - up to 260 ft. (80m)

DC
detcon inc.
Gas Detection



700 Series

- Zone 1 applications
- 4/20mA, relays, Modbus, HART, Profibus & Foundation Fieldbus



Site Sentinel Wireless Gas Detection Systems

- Self healing mesh network
- Solar powered
- Alarm station
- LEL & H2S



Process Analyzer

- H2S 10-5000ppm range
- CO2, 3000ppm -100% range
- Zone 1, Nema 4X

IRIS
Honeywell



S550BE

- Flame scanner viewing head for flame monitors
- UV, UV/IR



P522

- Flame signal processor



Watchdog III

- Pilot and flare stack monitor
- Continuous burner surveillance
- Remote mounted up to 1000'

Qnergy
Reliable Remote Power



PowerGen 5650 Series

- Power Output 5650 Watts
- Fuel type, NG, LPG, Wellhead Gas
- Fuel Consumption 15 - 45 gal/ day
- CSAC22.2#100 (-40C)



PowerGen 1200 Series

- Power Output 1200 Watts
- Fuel type, NG, LPG, Wellhead Gas
- Fuel Consumption 672-936 ft³ / day
- CSAC22.2#100 (-40C)



Glycol Heat Trace Module

- Over 50 000 BTU/HR of heat available
- 25 - 55 °C Up to 1500' @ .5 - 2.2 GPM
- Glycol Content Range up to 50% by vol
- Heat Trace Interface 1/2" NPT

MEQ

Drives, Industrial Automation & Motors



Variable Frequency Drives

- 1.5 - 900 HP
- Single / Three Phase
- 200 - 600 Volt



Controls

- Push Buttons
- Capacitors
- Motor Starters / Protection



Motors

- AC Motors Ex Proof 1.5 - 450 HP
- Large Induction Motors
- Large DC Motors

Dialight
LED Lighting



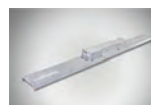
SafeSite LED High Bay

- 25,000 Lumens
- Class I, Div. 1 & Div 2
- Certified to C22.2 No.137-M81
- 10 yr warranty



SafeSite LED Floodlight

- 15,000 Lumens
- Class I, Div 2
- CSA 22.2 NO. 137
- 10 yr full performance warranty



SafeSite LED Linear

- 7,000 Lumens
- Class I, Div. 1 & Div 2
- CSA 22.2 NO. 137
- 5 yr full performance warranty

VIDEOREC



Explosion-Proof Full HD PTZ Camera

- Class I, Zone 1
- -40°C +60°C
- cUL listed Class I, Zone 1



High-Spec Ex-Proof HD Camera in a compact design

- Class I, Zone 1
- -40°C +60°C
- cUL listed Class I, Zone 1



Outdoor Full HD PTZ Camera

- IP 66 Ingress rating
- -40°C +60°C
- cUL listed

Honeywell
Commercial/Industrial Combustion



Burner Controls Modules

- -40°C +60°C
- SIL 3 Capable
- CSA LR9S329-3



Flame Detectors

- -40°C +79°C
- SIL 3 Capable
- CSA LR9S329-1



Flame Amplifiers

- -40°C +60°C
- SIL 3 Capable
- CSA LR9S329-3

e2S
warning signals



Explosion-Proof Horn

- 125 dB Horn
- Class I & II Div I
- 64 alarm tones
- CSA C22.2 No 25-1966
- -40 to +70C



Explosion-Proof LED Beacon

- High output LED flash
- Zone 1&2
- -55 to 80C



Hazardous Alarm Horn & LED Beacon

- Combination Horn and LED Beacon
- 180 Candela / 64 Tones
- cUL Approved

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MVE
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- Surge protection

ST

- Industrial strobe warning lights

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ACR <small>STATING INC.</small>	<ul style="list-style-type: none"> ♦ Single & Multi-Channel Data Loggers 	optris <small>Infrared Thermometers</small>	<ul style="list-style-type: none"> ♦ Two-wire Infrared Thermometers ♦ Thermal Imagers ♦ Non-contact Temperature Measurement
Additel	<ul style="list-style-type: none"> ♦ Digital Pressure Gauges ♦ Digital Pressure Calibrators ♦ Hydraulic/Pneumatic Pressure Test Pumps ♦ Pressure Manifolds ♦ Hoses, Adapters & Fittings 	pgc	<ul style="list-style-type: none"> ♦ Self Contained Humidity & Temperature Chambers
DMA	<ul style="list-style-type: none"> ♦ Portable/Laboratory Air Data Test Sets ♦ Ultra Compact Automatic Air Data Test Sets 	PMC	<ul style="list-style-type: none"> ♦ Electronic Pressure/Level & Vacuum Transmitters ♦ Depth & Level Pressure Transmitters ♦ Water/Wastewater Level Transmitters
Flowmetrics, Inc.	<ul style="list-style-type: none"> ♦ Turbine Flowmeters ♦ Indicators/Totalizers/Converters 	PRECISION DIGITAL	<ul style="list-style-type: none"> ♦ Intrinsically Safe & Explosion Proof Digital Meters
GN <small>INTERNATIONAL</small>	<ul style="list-style-type: none"> ♦ DIN Rail Mounting Intrinsically Safe Galvanic Isolated Barriers ♦ Intrinsically Safe Multiplexers ♦ High Integrity Intrinsically Safe Isolators & Safety Relays ♦ SIL2/SIL3 Power Supply for Hazardous Area Equipment ♦ Intrinsically Safe Temperature Converters 	SOUTHERN CROSS	<ul style="list-style-type: none"> ♦ Hydrocarbon Gas Detector ♦ Methane Leak Detector ♦ Provides Leak Detection Services across Canada
INCON <small>INTELLIGENT CONTROLS</small>	<ul style="list-style-type: none"> ♦ Rotary Position Indicators ♦ Load Tap Changers ♦ Synchro Transmitters 	STS <small>global sensor excellence</small>	<ul style="list-style-type: none"> ♦ Industrial Pressure Transmitters with Voltage/Current Output ♦ Miniature Depth & Level Pressure Sensors
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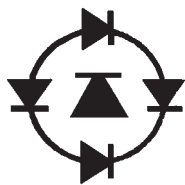
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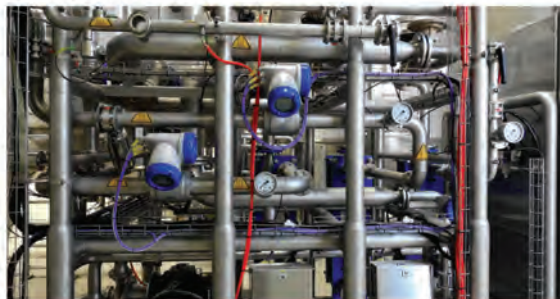
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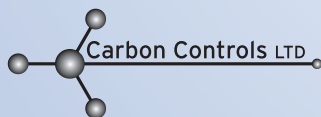
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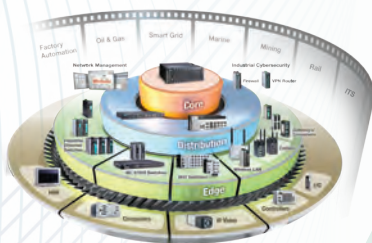


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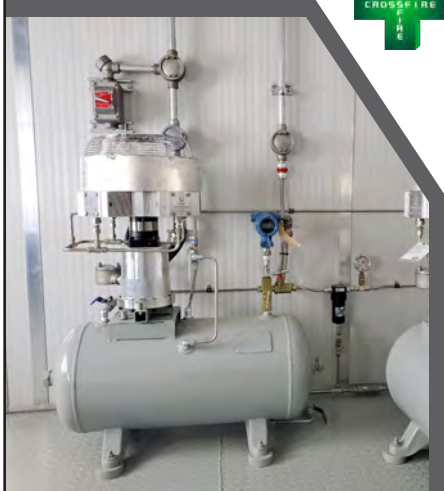




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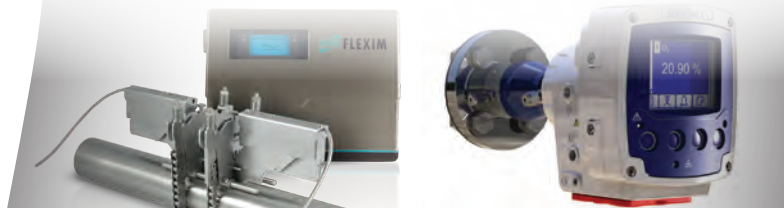
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