International Society of Automation

Setting the Standard for Automation™

The Leading Professional Society for Automation

Vision

Create a better world through automation

Mission

Empowering the global automation community through standards and knowledge sharing

Membership | Training | Certification | Events

Standards | Conformity Assessment | Publications

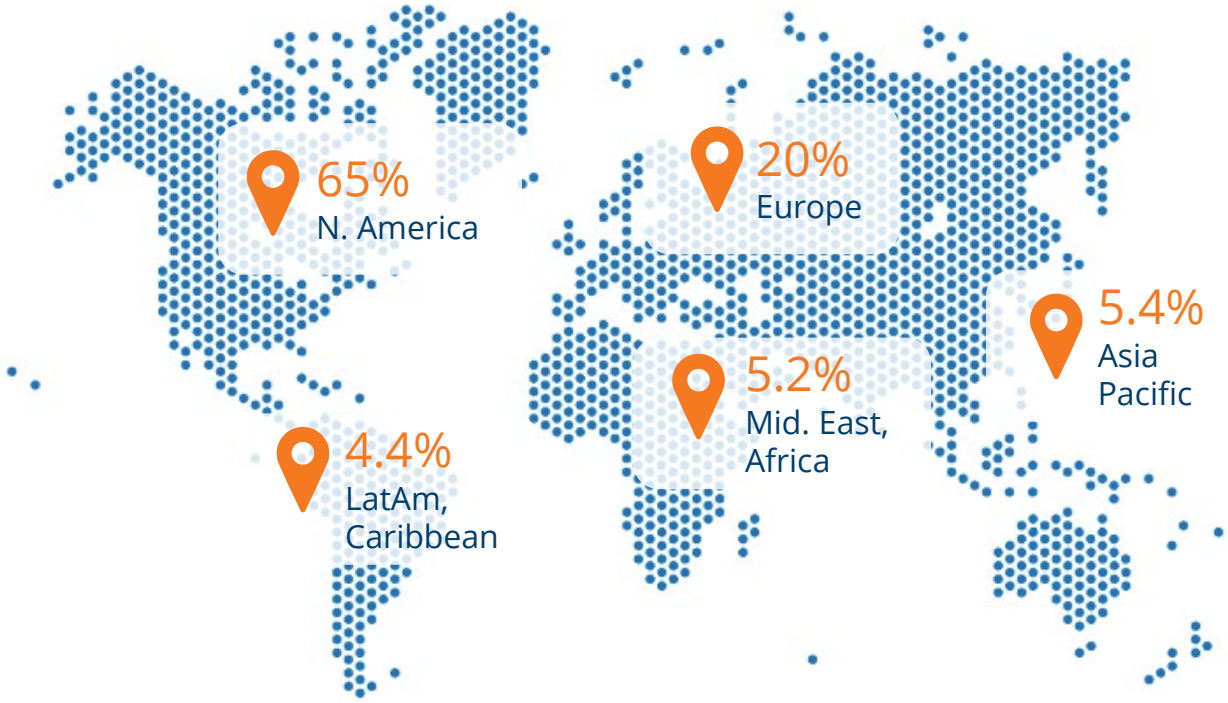
Your Automation Toolkit

ISA offers so many **programs, services, and tools** for its members and for the broader automation community.

SCAN ME

ISA by the Numbers

14,930+ members in 104 countries:



138
Standards

17
Personnel Credentials

8
Product & System Certifications

12K
Professionals Trained

Knowledge Sharing

Standards, Training, Credentials, Conformity Assessment

138 Standards
3,500 Volunteers
40 Countries

- ISA is an **ANSI-accredited** standards developer committed to open, consensus-based process

- ISA developed **ISA/IEC 62443** standards – the world's only consensus-based automation and control systems cybersecurity standards

Our standards focus on:

Alarm Management for the Process Industries (ISA18)
Batch Process Control (ISA88)
Cybersecurity for Industrial Automation & Control Systems (ISA99 / 62443)
Enterprise-Control System Integration (ISA95)
Functional Safety – Safety Instrumented Systems (ISA84 / 61511)
Human-Machine Interfaces (ISA101)
Instrumentation Symbols and Documentation (ISA5 and ISA20)
Intelligent Device Management (ISA108)
Loop Checks, Calibration, Commissioning, and FAT/SAT (ISA105)
Power Plants, Fossil and Nuclear (ISA77 and ISA67)
Procedure Automation for Continuous Process Operations (ISA106)
Valves / Valve Actuators (ISA75 and ISA96)
Wireless Systems for Industrial Automation (ISA100)
Additional Topics (ISA7, ISA12, ISA37, ISA60, ISA71, ISA76, ISA92)

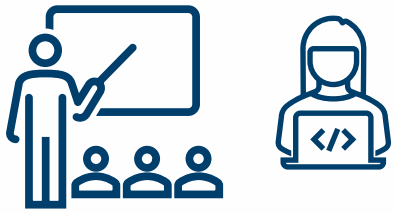
Learn more: isa.org/standards

ISA Training

Developed by real-world experts.

Focused on the most relevant topics and vital technologies.

Unbiased and vendor neutral.

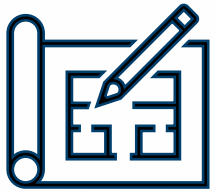


Flexible Formats

Classroom, virtual classroom, on site, instructor-guided online, and self-paced, modular formats

Build toward Certification

Document your skills and credentials with the opportunity to earn certificates and professional development credits



Taught by Experts

Courses are developed and taught by automation leaders and subject-matter experts

Theory and Application

Lectures and hands-on exercises help deepen your knowledge

Learn more: isa.org/training

Types of Credentials

Certification

Has eligibility requirements, typically a combination of work experience and/or education

Valid for a limited time and requires renewal to keep the certification
(certain requirements must be satisfied)

Is primarily based on job analysis of work performed in the field

Exam must be passed to achieve the certification

Certificate

Never expires

Has no eligibility requirements, based on experience

Is based exclusively on a body of knowledge taught in a training course or curriculum

Exam must be passed to achieve the certificate

Benefits of ISA Credentials

Individuals

Documents education, knowledge, and experience

Provides an objective, third-party assessment of skill levels

Provides a tangible way to validate industry experience

Increases preparation for additional job responsibilities

Employers

Recognizes automation professionals with the appropriate credentials and helps accelerate workforce development

Provides hiring and promoting qualifications for managers

Promotes safety and efficiency

Improves productivity and increases ROI by impacting mission-critical decisions

ISA Certification Programs

ISA Certified Automation Professional®

Demonstrates expertise and knowledge of automation and controls

ISA Certified Control Systems Technician®

Three levels – technician, specialist, master – to demonstrate knowledge of control systems

ISA Certificate Programs

Cybersecurity

Four certificates – fundamentals, risk assessment, design, and maintenance – with an expert tier for achieving all four

Automation Project Management Specialist

Program for project managers who need to execute automation projects effectively

Safety Instrumented Systems

Three certificates – fundamentals, selection, and verification – with an expert tier for achieving all three

CAP Associate

Validate job skills to excel as an automation professional

CST Associate

Validate job skills to excel as a control systems technician

Fire and Gas Mapping Specialist

Validate job skills to excel in fire and gas systems

ISA-95/IEC 62264 Enterprise-Control System Integration Fundamentals Specialist

Consortia and Conformity Assessment

- ISA leads collaborative forums for industrial cybersecurity and interoperability

ISA100 WIRELESS | ISASecure | ISA GLOBAL CYBERSECURITY ALLIANCE | ICS4ICS Incident Command System for Industrial Control Systems | ISA

ISASecure Certification Schemes:

- Component Security Assurance (CSA)
- IIoT Component Security Assurance (ICSA)
- System Security Assurance (SSA)
- Security Development Lifecycle Assurance (SDLA)
- IACS Security Assurance (IACSSA)

ISA100 Wireless:

- Device Certification
- System Certification
- Stack Certification

ISA Consortia Overview

ISA100 WCI – ISA100 Wireless Compliance Institute provides assured interoperability for wireless products conforming to the ISA100.11a (IEC62734) international wireless standard. www.isa100wci.org

ISASecure – ISA/IEC 62443 cybersecurity certification of COTS products, supplier development processes and automation at asset owner operating sites www.isasecure.org

ISAGCA – Bridge the gap between ISA/IEC 62443 standards and market adoption. Lead cybersecurity culture transformation. https://isagca.org

ICS4ICS – Incident Command System for Industrial Control Systems establishes a standing organization and playbook for responding to cyber attacks on automation in critical infrastructure. www.ics4ics.org

Thought Leadership

Content, Events, News and Publications

Events and Conferences

Award-winning events – in person and virtual

isa.org/events

OT Cybersecurity Summit

otcs.isa.org

London | 18-19 June

Automation Summit and Expo

[ase.isa.org](ase.isa.org)

Charleston, USA | 30 Sept. – 3 October

News and Publications

- ISA is your source for industry news and technical resources from subject matter experts

Books:
print and digital

InTech
Emagazine

Automation.com:
news and Ebooks

Blogs, ISA News,
Press Releases

Access ISA Content – Pub Hub

An ISA Member Benefit

- ISA standards, best practices and technical reports, *InTech* archives, conference recordings, position papers, white papers, webinars, e-books, e-magazines and more!
- User-friendly format - browse, search, navigate, annotate, and save

Mimo℠ – a Large Language Model Trained on ISA Content

www.isa.org/mimo

- An AI-powered large-language model educated on ISA content: standards, training, reports, articles, presentations and so much more.
- Ask Mimo all of your questions about industrial automation.
- Members receive a more in-depth answer and can directly access source material.

Look Who's Talking

ISA and its subject matter experts have appeared in:

Community

Membership, ISA Connect,
Young Professionals, Students

ISA Membership

Together, We Create the Future of Automation

Connect

- Engage in technical discussions on ISA Connect.
- Network with automation professionals through geographic sections.
- Build connections through conferences, webinars, and online discussions.

Grow

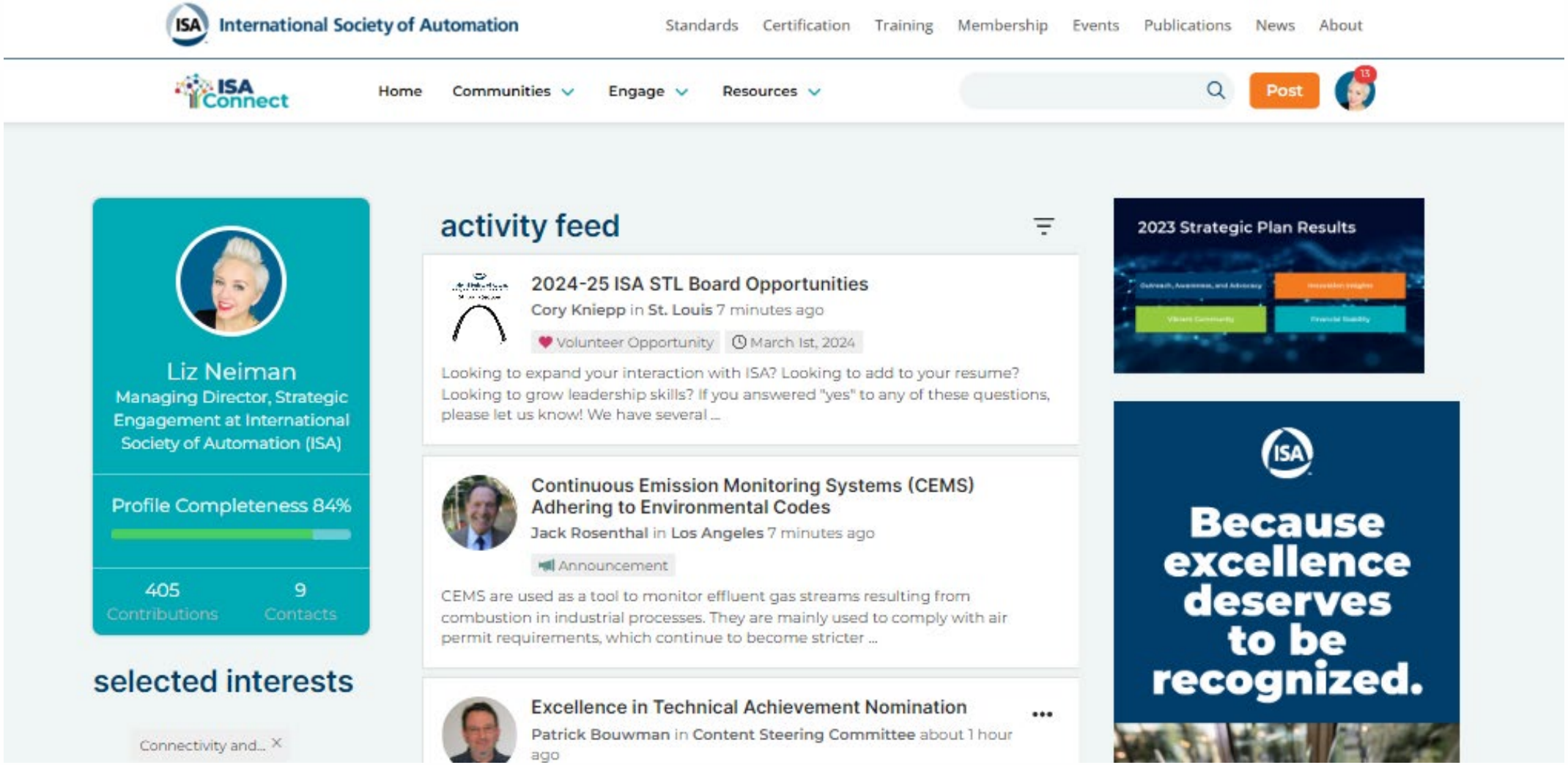
- Explore opportunities and build your resume with ISA Career Center.
- Post job openings and access over 50,000 automation professionals.
- Serve on a standards committee.

Learn

- Access over 138 standards that reflect leading industry expertise.
- Read the latest in industry information through our online news sources.
- Take training designed to build technical and leadership knowledge skills.
- Earn professional credentials that document your skills and set you apart.

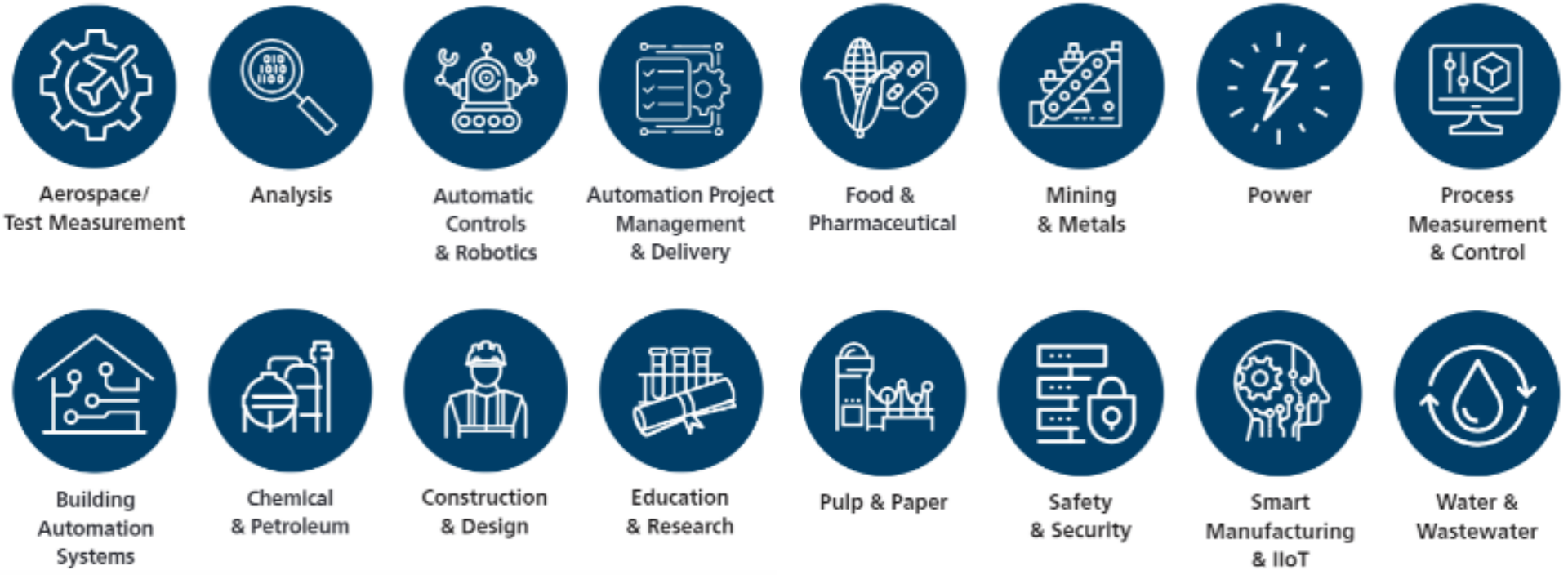
ISA Connect

Award-winning technical and networking community



ISA Divisions

Members join divisions to **build their professional networks** and **receive information** around specific technologies and industries.



16 Divisions

2,874 Average number of members per division

isa.org/divisions

ISA Sections

A section is a group of **professional** members who have chosen to affiliate around a specific geographic area.

Sections exist to support the mission and vision of the Society, governed by and subject to all policies and procedures set by ISA.

Sections develop **activities in response to local needs**.

103 Sections in 33 countries

Resources

Career Planning, Young Professionals, and Students

Career Center

A valuable tool for candidates and hiring managers – post a position, share your resume, and search for career guidance in a community devoted to automation

ISA Business Academy

A 10-week mini-MBA program offering leadership training as part of a cohort of peers from the automation industry

Mentoring Program

Connecting early career professionals to more seasoned professionals who are willing to help coach, guide and share expertise

Young Professionals and Students

Dedicated networking via the Young Professionals Committee; scholarship programs

But Don’t Just Take Our Word for It

ISA events are where everybody comes together. It's high energy and everybody cares about where the industry is going.

The class was excellent, the program was excellent.
The certification programs are one of the best in the industry.

For me, the first thing I think of is 'family.'

In ISA you find mentors across all fields of your
to help your career take off quickly.

I have met some of the **best people in automation**
by being part of ISA.

ISA
International Society of Automation
Setting the Standard for Automation™
Join ISA
Together, we create a better world through automation.
isa.org/join

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Thank you

www.isa.org