

excellence in Dependable Automation.

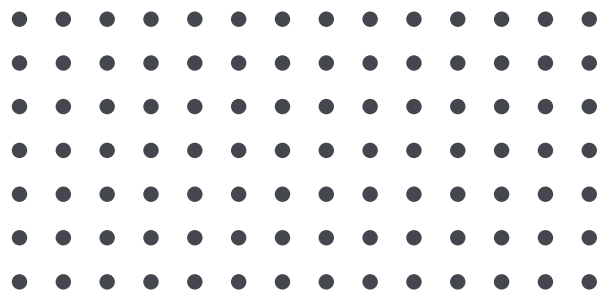
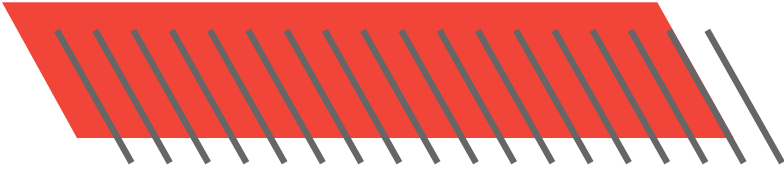


www.exida.com



exida offers **services, tools, and training to help organizations meet regulatory requirements, achieve safe operations, and deliver results.**

Ensuring that operations are safe, equipment is available, and operational goals are met is exida's mission. We work closely with our customers to achieve high-impact, cost-effective solutions for their **Functional Safety, Alarm Management, and IACS Cybersecurity** challenges. As experts in safety, availability, and security, we bring a valuable perspective to the problems they are facing.





Experience Enables exida to Provide Practical Solutions to Address Your Most Difficult Challenges.

Founded in 1999 by several of the world's top reliability and safety experts, exida is the world's leading product certification and knowledge company specializing in automation system **functional safety, alarm management, IACS cybersecurity**, and availability. With over 20 locations worldwide, exida's global presence ensures there is always someone close by ready to help your team be successful.

Our team of industry-leading consultants have over 500 years of combined knowledge, with extensive experience in Chemical, Petro-Chemical, Oil & Gas, Subsea, Metals and Mining, Pharmaceutical, Pulp & Paper, Power Utilities, Automotive, Robotics, and Machinery applications. This unique combination of technical depth and hands-on experience enables exida to provide practical solutions to address your most difficult challenges.



exida is the choice of leading companies when it comes to implementing and achieving compliance to the global standards relating to:

- **IEC 61508** and **IEC 61511** standards for functional safety for the process industry
- **IEC 62443** for industrial automation control system cybersecurity
- **ISA-18.2** and **IEC 62682** for alarm management
- **ISO 26262** for functional safety of automobiles
- **IEC 62061** and **ISO 13849** for safety of machinery
- **ANSI/RIA 1506** for robot safety
- and much more.

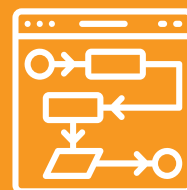
Key Stats



100+
Global Experts

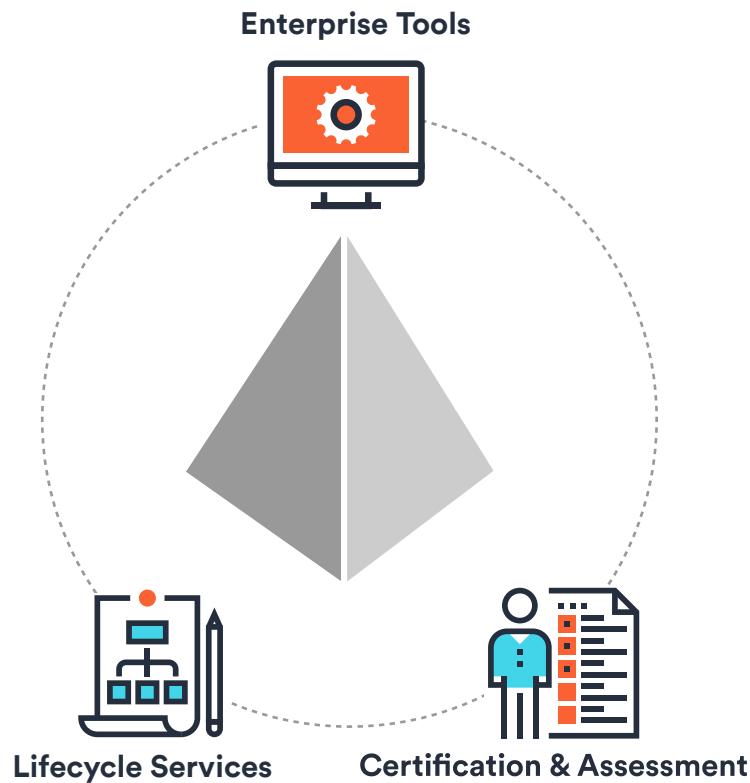


1k+
Certifications



500k+
SIFs Modeled

exida... A Customer-Focused Compa-

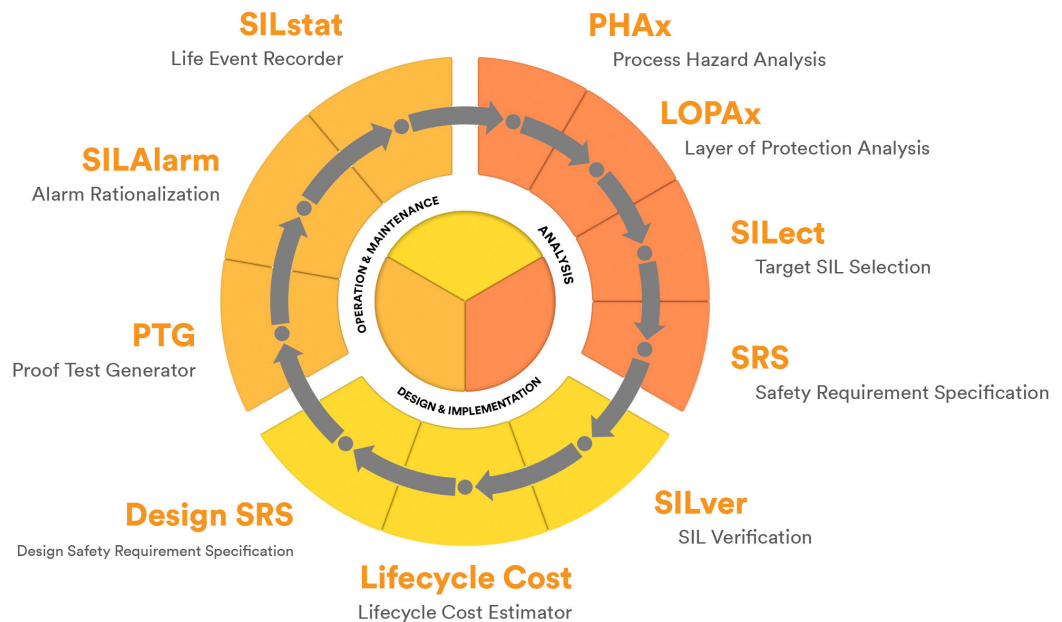


exida helps customers achieve safe and reliable solutions through:

- **Enterprise Tools:** Powerful lifecycle tools like our exSILentia suite that efficiently delivers technically correct results.
- **Certification & Assessments:** Thorough certification and assessment schemes that achieve compliance through a pragmatic approach.
- **Lifecycle Services:** Comprehensive lifecycle services that deploy experts to solve your toughest problems, which includes everything from conceptual process design through decommissioning to PHAs, LOPAs, and so on.

These three groups work together in harmony and are considered the pillars that the foundation of exida is based on.





Enterprise Tools.

exida has the world's leading software suite (exSILentia®) for streamlining the Process Safety Management work process and the Safety Instrumented System Functional Safety Lifecycle by providing:

- Easy to use best-in-class tools
- Intelligent lifecycle knowledge integration
- Groundbreaking enterprise leverage

Whether you are performing PHAs, LOPAs, SIL Selection, SIL Verification, SRS creation, cyber risk assessments, or alarm rationalization, exida has a tool, either as a standalone or part of an overall integrated suite that works seamlessly to provide the most comprehensive solution on the market today.

You save time and money, while increasing efficiency and productivity.



Certification & Assessment.

Through our extensive and on-going research, exida has developed advanced analysis tools that provide the most accurate results, save the project time and cost, and provide essential customer information.

exida is ANSI accredited to ISO/IEC 17065, the general requirements for bodies operating product certification systems.

The Clear Market Leader

With strong global acceptance and a growing base of technology, exida has become recognized as the global leader in functional safety & cybersecurity certifications. In the overall market, exida has done more than all other major certification bodies combined*.

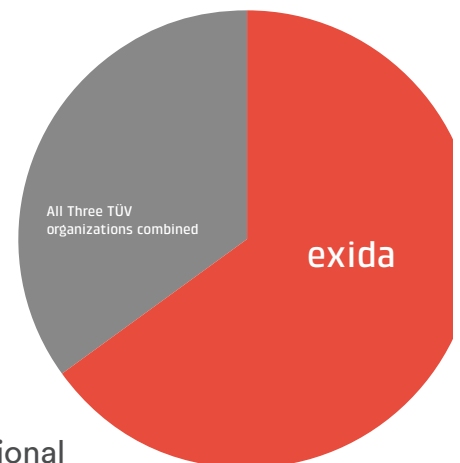
** Source: ARC Advisory Group, Nov. 2015*



exida is the industry leader in the certification of personnel, products, systems, and processes to the following international standards and guidelines:

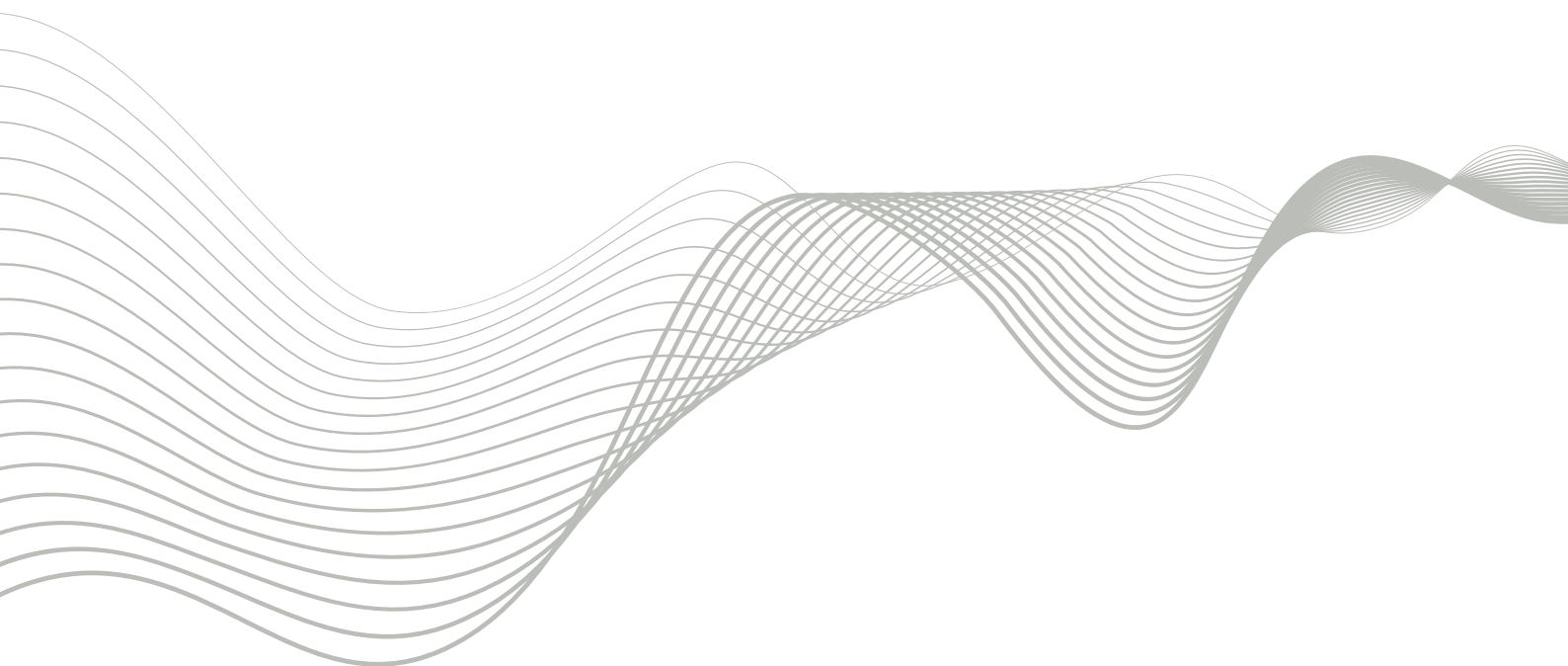
- **IEC 61508**
- **IEC 61511**
- **ISO 26262** Certification and Tool Qualification
- **IEC 62443** Cybersecurity Certification
- **ISASecure** Cybersecurity Certification
- **IEC 62061, ISO 13849** Machinery Safety Certification
- **ANSI/RIA 1506** Robot Safety Certification
- **CFSE / CFSP** - Certified Functional Safety Expert / Professional
- **CACE / CACS** - IEC 62443 Certified Automation Cybersecurity Expert / Specialist

Safety Device Certifications



“The level of professionalism exhibited by exida is outstanding. Their ability to interpret IEC 61508 in terms of our project development process is invaluable.”

- Eric Swanson - Honeywell



Lifecycle Services.

Clients rely on exida to provide deep technical expertise, which assures correct solutions to even the most challenging problem. As important to getting the answer is having the insight to implement it in the optimal way—one that is affordable and sustainable. By combining expertise and insight, exida will help you chart the right course and stay on track to meet your goals.

Our unique perspective enables us to offer the groundbreaking **Triple Gap Analysis**: a comprehensive review of functional safety, alarm management, and cybersecurity lifecycle implementation within your organization or plant.



Functional Safety

- HAZOP and HAZOP Revalidation
- LOPA
- SIL Verification
- Proof Test Design and Deployment
- Functional Safety Assessment

Alarm Management

- Alarm Philosophy Development
- Alarm Rationalization
- Alarm System Optimization

IACS Cybersecurity

- Vulnerability Assessment
- Risk Assessment
- Zone & Conduit Modeling





exida Academy.

exida Academy provides comprehensive Functional Safety (process and automotive), IACS Cybersecurity, and Alarm Management training for today's industry professional. Our courses are available on a variety of platforms, from open enrollment to onsite workshops to self-paced online training.

Any listed course can be customized for the customer's needs. Offering courses at the beginner, practitioner, and expert levels, our goal is to share our evolving knowledge and skills with our students with the intention that they will use this knowledge to cost effectively design, build, operate, and maintain optimally safe and secure automation systems as applicable to their functional responsibility. exida Academy was built from the core foundation of exida's vision for excellence in dependable automation.



Practitioner Certificate Programs

All attendees can earn a practitioner certificate by attending related exida Academy training classes and passing a subsequent exam.

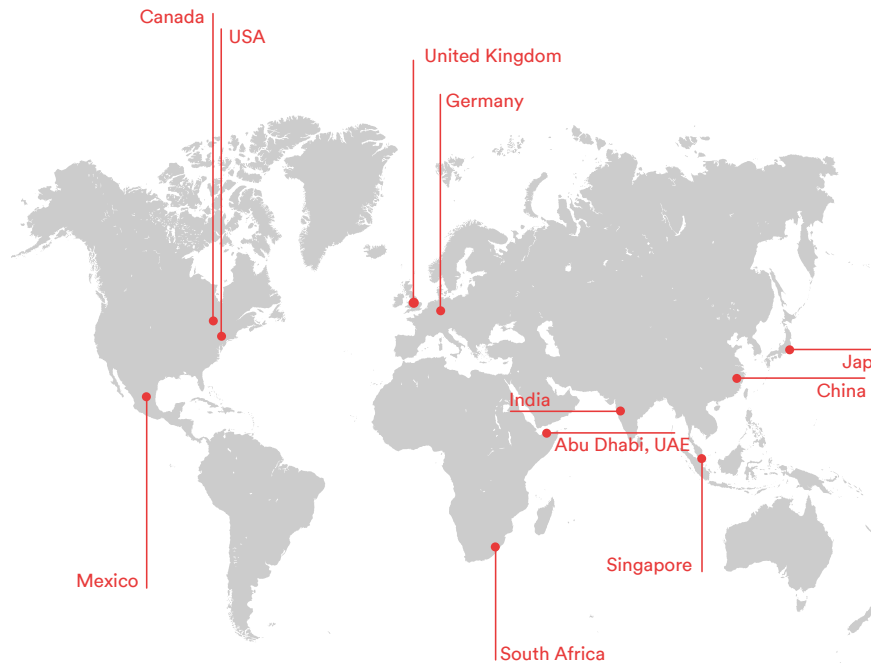
exida offers the following programs:

- **FSP** (Functional Safety Practitioner)
- **CSP** (IEC 62443 Cybersecurity Practitioner)
- **AMP** (Alarm Management Practitioner)
- **FGP** (Fire & Gas Practitioner)

Course Offerings Include:

Code	Title	Category
ALM 101	Introduction to Alarm Management Practices & Principles	Alarm Management
ALM 102	Fundamentals of Alarm Management for the Practitioner: How to Apply ISA-18.2 / IEC 62682	Alarm Management
ALM 241	Alarm Rationalization with SILAlarm	Alarm Management
AUT 101	ISO 26262 Road Vehicles Functional Safety – For Leaders	Automotive Safety
AUT 121	An Overview of Changes to ISO 26262 (2nd Edition)	Automotive Safety
AUT 206	Automotive Cybersecurity	Automotive Safety
AUT 211	Automotive ISO 26262: Road Vehicles Functional Safety	Automotive Safety
AUT 212	ISO 26262 Road Vehicles Functional Safety - Hardware Development + Analyses	Automotive Safety
AUT 213	ISO 26262 Road Vehicles Functional Safety - Product Development at the Software Level	Automotive Safety
AUT 214	ISO 26262 Road Vehicles Functional Safety - Guideline on application of ISO 26262 to semi-conductors	Automotive Safety
FSE 244	SIL verification with SILver™	Engineering Tools
FSE 247-E	Practical Electronic FMEDA with FMEDAx™	Engineering Tools
FSE 247-M	Practical Mechanical FMEDA with FMEDAx™	Engineering Tools
FSE 001	Introduction to Functional Safety	Functional Safety
FSE 100	IEC 61511: Functional Safety Analysis, Design, and Operation	Functional Safety
FSE 104	Applying IEC 61511 to Burner Management Systems	Functional Safety
FSE 107	Functional Safety For Managers – Overview Course	Functional Safety
FSE 109	Functional Safety Management Planning for IEC 61511	Functional Safety
FSE 144	IEC 61511: Operations & Maintenance	Functional Safety
FSE 211	IEC 61508 - An Introduction to Functional Safety	Functional Safety
FSE 212	IEC 61508 - An Introduction to Functional Safety for Software Developers	Functional Safety
FSE 213	IEC 61508 – An Introduction to Functional Safety for Mechanical Elements	Functional Safety
FSE 222	Process Hazards Analysis (PHA) Using HAZOP	Functional Safety
FSE 224	Layer of Protection Analysis for the Practitioner	Functional Safety
FSE 227	Control Hazard and Operability Analysis (CHAZOP)	Functional Safety
FSE 230	Fire and Gas Detection Design and Technology	Functional Safety
FSE 110	Machine Functional Safety Engineering - IEC 62061	Machine Safety
CS 101	Introduction to IEC 62443 Cybersecurity	IACS Cybersecurity
CS 102	Industrial Automation Control Systems (IACS) IEC 62443 Cybersecurity Lifecycle	IACS Cybersecurity
CS 121	Introduction to Industrial Networking	IACS Cybersecurity
CS 201	IEC 62443 Cybersecurity Software Development	IACS Cybersecurity
CS 204	IEC 62443 Cybersecurity for Industrial Automation Control Systems for Employees & Contractors	IACS Cybersecurity

For more courses, information, and global open enrollment schedules, please go to exida.com/training



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