excellence in Dependable Automation
We help our clients improve the safety, security, and availability of their automation systems.
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About Us</td>
<td>4</td>
</tr>
<tr>
<td>What We Do</td>
<td>6</td>
</tr>
<tr>
<td>Certification Program</td>
<td>8</td>
</tr>
<tr>
<td>Services Available</td>
<td>10</td>
</tr>
<tr>
<td>Software Tools</td>
<td>12</td>
</tr>
<tr>
<td>Complete Chart of Services, Training, Products, and Resources</td>
<td>13 - 14</td>
</tr>
<tr>
<td>Offices</td>
<td>15</td>
</tr>
</tbody>
</table>
“exida has helped me understand the nature of the IEC standard interpretation by the assessor and the notifying bodies.”

— Michael Wise, GE, on attending an exida training course
exida was founded in 1999 by Dr. William Goble (USA) and Mr. Rainer Faller (Germany). Goble and Faller are considered by many to be the leading authorities in the field of functional safety.

They recognized the growing need for companies operating in the safety domain to become more knowledgeable about the requirements for safety related applications.

**exida has been built upon sound engineering principles in the quest for a safer world.**

exida has evolved from two offices in the US & Germany to a global support network.

exida provides expert end user and OEM system consulting, product testing and certification, assessment, cybersecurity, and alarm management services to clients ranging in size from Fortune 500 to small start-up companies.
“exida has the technical depth to understand how functional safety is achieved...

This gives our customers confidence that our products are well-suited to safety critical applications, especially when combined with our field experience.

— Yokogawa
Whether you are a process / machine supplier, integrator, end-user, Engineering Procurement Contractor (EPC), or an automotive OEM / supplier, exida can guide you through the complex issues of functional safety, cybersecurity, and alarm management.

exida provides qualified customers with certification to a number of functional safety and security standards, such as IEC 61508, IEC 61511, ISO 26262, ISO 13849, IEC 62061, and the ISA Security Compliance Institute (ISCI).

exida has certified more process safety devices to IEC 61508 than any other agency worldwide.

exida's engineers participate and have voting rights on the IEC and ISA committees and regularly speak at leading industry conferences.

As a result of its involvement in key safety committees, exida is at the forefront of the industry in developing training, products, tools, and knowledge resources to help you better understand and measurably improve the safety, security, and reliability of your processes and automation systems.

Expect the Best

Quality is built into our organization from the ground up. Embedded into our culture and orientation, we provide uncompromising levels of quality from sales support to final delivery.
“exida has a globally recognized IEC 61508 certification program.

The exida certificate gives our customers strong confidence that our products are applicable to safety critical applications.”

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

» IEC 61508 Certification
» IEC 61511 Certification
» ISO 26262 Certification and Tool Qualification
» Cyber Security Certification (ISASecure)
» Machinery Safety Certification (IEC 62061, ISO 13849)
» Certified Functional Safety Expert (CFSE) - Personnel Certification Program

exida is ANSI accredited to Guide 65, the general requirements for bodies operating product certification systems.

Why Use exida?

exida strives to operate the most useful and relevant product certification program in the world.

» exida takes the time to explain the standard.
» exida has more technical depth and provides the failure data their customers want.
» exida manages projects and gets things done as quickly as possible.
» exida goes beyond IEC 61508 requirements to provide a certification with more information and more value to end users.
» exida staff has developed many of the analysis techniques used to show IEC 61508 compliance.
exida provided a great cyber security overview to confirm our current procedures, while offering recommendations to make enhancements to keep current with industry standards.

—William Bunk, GSK, on attending an ICS Cyber Security training course
exida has the personnel to help achieve your goals for design, implementation, operation, and maintenance of automation systems that deliver safety, security, and reliability.

Some of the Typical Services Include:

» HAZOP, LOPA
» Safety Requirements Specification (SRS)
» Safety Instrumented Systems (SIS) definition
» Safety Instrumented Functions (SIF) definition
» SIL Selection, SIL Verification
» Proven in Use to IEC 61511
» Cybersecurity Vulnerability Assessments
» Alarm Philosophy Development
» Alarm Rationalization
» Operation and Maintenance Data Collection Services
» Functional Safety Management
» Functional Safety Assessment
» Automotive item definition
» Hazard & Risk Analysis
» Functional & Technical Safety Concepts
» Safety Software Test support
“I think this is the best tool that exists in the market today. We are confident in using the extensive data base included in this upgraded version.”

– Customer regarding ExSILentia V3.0
Software & Engineering Tools

*exida embeds years of expert knowledge and data into each of their engineering tools.*

SILVer™, for example, is a module in exSILentia™ (the world’s leading tool for SIL Verification), that relies on exida’s safety equipment reliability database (SERH).

The SERH, which has been developed from exida product design, reviews activities (including FMEDA analyses), and contains data from over 1400 components.

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**exSILentia®**

exida’s best selling and market leading Integrated Safety Lifecycle Tool.

**PHAx™**

Guides users through the HAZOP process, effectively focusing the user on the task at hand, identifying hazards, hazardous events, and associated sequence of events.

**SILStat™**

Captures key operational and maintenance data for review and analysis as required by the IEC 61511 / ISA 84.00.01-2004 standard.

**SILAlarm™**

A tool for facilitating and documenting the results of alarm rationalization in a master alarm database.

**SERH Viewer™**

The ultimate reference for any functional safety engineer involved in Conceptual Design and Safety Integrity Level verification.

**FMEA / SILCal**

Safety Criticality Analysis / System FMEA / and Software HAZOP in compliance with EN / IEC 61508
### Forget the others...

exida covers a wide spectrum of services, certification, training, products, and consulting to help your company achieve success in the functional safety, reliability, and control system cybersecurity arenas.

<table>
<thead>
<tr>
<th>SERVICES FOR PRODUCT MANUFACTURERS &amp; OEMs</th>
<th>END USER SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SAFETY / RELIABILITY</strong></td>
<td></td>
</tr>
<tr>
<td>FMEA and FMEDA Analysis</td>
<td>System Evaluation Safety</td>
</tr>
<tr>
<td>» Safety/Reliability</td>
<td>» Reliability</td>
</tr>
<tr>
<td>» Electrical/Mechanical/Software</td>
<td>» CHAZOP</td>
</tr>
<tr>
<td>Certification to Standards</td>
<td>IEC 61511 Independent Functional Safety Assessment &amp; Gap Analysis</td>
</tr>
<tr>
<td>» IEC 61508/61511</td>
<td>» Safety Requirements Specifications (SRS)</td>
</tr>
<tr>
<td>» IEC 62061 / ISO 13849</td>
<td>IEC 62061 Independent Functional Safety Assessment &amp; Gap Analysis</td>
</tr>
<tr>
<td>» IEC 26262</td>
<td>SIS Conceptual Design</td>
</tr>
<tr>
<td>» EN 50271</td>
<td>FAT, SAT Auditing</td>
</tr>
<tr>
<td>Safety Automation Element List</td>
<td>SIS Validation</td>
</tr>
<tr>
<td></td>
<td>Proof Test Procedures</td>
</tr>
<tr>
<td><strong>ALARM MANAGEMENT</strong></td>
<td></td>
</tr>
<tr>
<td>IEC 61511 Audit &amp; Gap Analysis</td>
<td>Alarm Philosophy Development</td>
</tr>
<tr>
<td></td>
<td>Advanced Alarm Design</td>
</tr>
<tr>
<td></td>
<td>Alarm Philosophy Gap Analysis</td>
</tr>
<tr>
<td></td>
<td>Master Alarm Database Integration with DCS/SIS</td>
</tr>
<tr>
<td></td>
<td>Alarm Rationalization / Facilitator Training</td>
</tr>
<tr>
<td></td>
<td>Alarm Management System Audits</td>
</tr>
<tr>
<td></td>
<td>Alarm System Performance Benchmarking</td>
</tr>
<tr>
<td><strong>INDUSTRIAL CONTROL SYSTEM CYBERSECURITY</strong></td>
<td></td>
</tr>
<tr>
<td>Vulnerability testing</td>
<td>Assessment and Audits</td>
</tr>
<tr>
<td>CyberSecurity Scorecard Program</td>
<td>Defense in Depth Strategy</td>
</tr>
<tr>
<td>Certification to Standards</td>
<td>Vulnerability / Risk Assessments</td>
</tr>
<tr>
<td>» Achilles Level 1-2</td>
<td>Methodology Implementation</td>
</tr>
<tr>
<td>» ISA Secure Levels 1 – 3</td>
<td>Threat Modeling</td>
</tr>
<tr>
<td><strong>CFSE / CFSP ENDORSEMENT PROGRAM</strong></td>
<td></td>
</tr>
<tr>
<td>CFSE / CFSP Endorsement Program (available soon)</td>
<td></td>
</tr>
<tr>
<td>CFSE / CFSP Endorsement Program (available soon)</td>
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<td></td>
</tr>
</tbody>
</table>

Forget the others...
## exida has you covered!

**training, products, and consulting** to help your company achieve success in the functional safety, reliability, and control system cybersecurity arenas.

### PERSONNEL CERTIFICATION
- SP Certification Program
- SP Endorsement Program (available soon)
- CACS/CACE Certification (available soon)

### TRAINING
- Functional Safety Engineering I & II
- IEC 61508 Overview
- IEC 61511 Overview
- exSILentia Training
- Machine FS Training
- Alarm Management
- Practices & Principles
- SILAlarm Training
- ICS Cybersecurity Overview
- Security Development Lifecycle Training

### SOFTWARE TOOLS
- exSILentia
  - SIL Selection
  - Safety Requirements Specification (SRS)
  - SIL Verification
- PHAx™
- HAZOP Tool
- Safety Equipment Reliability Handbook (SERH) Viewer
- SILStat™
- SILAlarm
  - Alarm Philosophy Document Template

### KNOWLEDGE BASE
- Books and Resources
- Whitepapers
- Recorded Webinars
- Safety Automation Element List (SAEL)
- Defense in Depth Strategy
- Methodology Implementation
- Threat Modeling
- CACS/CACE Certification (available soon)
- Security Lifecycle Tools
- ICS Cybersecurity Overview
- Security Development Lifecycle Training
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