TRAININGS

ISIT offers a full range of theoretical and technical training related to the technologies it supports, based on its multidisciplinary skills developed over the years, particularly in safety and security, field networks and real-time systems.

Our training courses are available face-to-face or remotely (FOAD) in:

• Inter-company (Training for employees from different companies),

• Intra-company (Training for employees of the same company), on dates that will suit you and thus be personalized if necessary.

ISIT's expertise, quality and know-how have contributed to its **QUALIOPI certification**.

Qualiopi
processus certifié
RÉPUBLIQUE FRANÇAISE
La certification qualité a été délivrée au titre de la catégorie d'action suivante :
ACTIONS DE FORMATION

The QUALIOPI label from ISIT, a national quality benchmark, attests to the quality of our implemented process, optimizes our organization, enhances our practices and allows us to benefit from funding via funding organizations in order to continue to satisfy our customers.

ISIT is a training center registered under number 73 31 04675 31.
This registration does not constitute State approval - Art.L6352-12 of the Labor Code Circ. No. 2006-10 of 03/16/06

Catalog Sesiosns
Training courses Putting the Standards into practice: *ISO 26262, ISO21434, IEC61508 …*
Training Implementation of industrial protocols: *CAN, CANopen, EtherCAT, J1939 …*
Cybersecurity software and embedded systems training

ISIT
Cybersec & Safety Partners

AUTOMOTIVE - TRANSPORTATION

Whether it is road, rail, maritime or air transport, urban transport or logistics, this field is at the heart of a real revolution in which on-board electronics are greatly involved: connected and autonomous cars, hybridization, vehicles innovative and non-polluting, global vision of mobility.

ISIT offers a set of products & services enabling the companies involved, whatever their level of innovation, to build high-performance solutions that meet market expectations and critical security and standardization issues. The solutions offered by ISIT fully take into account the economic constraints, speed of deployment and long service life that characterize this market.
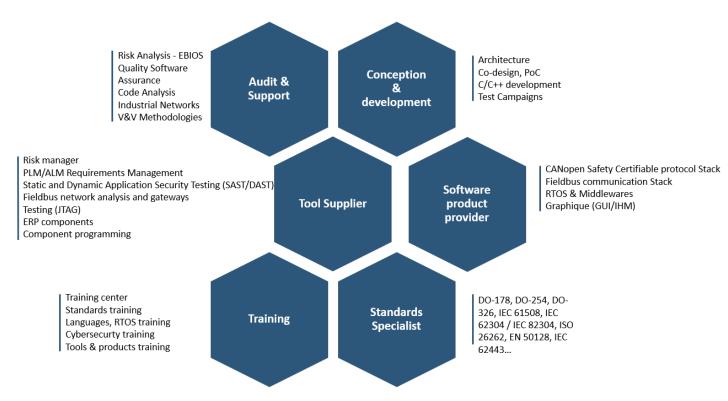
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SAFETY & SECURITY EXPERTS and TOOLS
for your DEVELOPMENTS

Audit & Support
- Risk Analysis - EBIOS
- Quality Software Assurance
- Code Analysis
- Industrial Networks
- V&V Methodologies

Conception & development
- Architecture
- Co-design, PoC
- C/C++ development
- Test Campaigns

Tool Supplier
- Risk manager
- PLM/ALM Requirements Management
- Static and Dynamic Application Security Testing (SAST/DAST)
- Fieldbus network analysis and gateways
- Testing (JTAG)
- ERP components
- Component programming

Software product provider
- CANopen Safety Certifiable protocol Stack
- Fieldbus communication Stack
- RTOS & Middlewares
- Graphique (GUI/IHM)

Training
- Training center
- Standards training
- Languages, RTOS training
- Cybersecurty training
- Tools & products training

Standards Specialist
- DO-178, DO-254, DO-326, IEC 61508, IEC 62304 / IEC 82304, ISO 26262, EN 50128, IEC 62443…

PARTNERS :

Solution Partner Smart Expert Digital Industries Software — SIEMENS · LDRA · CoreAVI INNOVATING A SAFER TOMORROW · CS CODESECURE · EGERIE INTEGRATED CYBERRISK MANAGEMENT

ALL4TEC SAFE & SECURE · Reactive Systems, inc · SECTIGO · DiSTI · PQSHIELD

Embedded Office · WhiteSource is now MEND · ITTIA Database for a Secure & Connected World · aicas realtime · CRANK SOFTWARE

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XJTAG · SMH Technologies UNIVERSAL PRODUCTION IN-SYSTEM PROGRAMMING · PEmicro · OPTYMO · XELTEK SUPERPRO · RONETIX development tools · Acute PC-based T&M Instruments
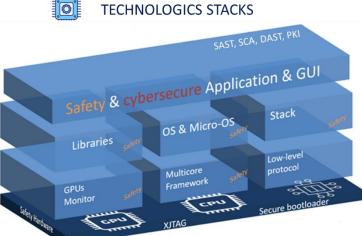
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SERVICES

Based on a large set of skills, ISIT has developed a range of services to support its customers in their projects:

- **Advice and support in software quality assurance**, from activity planning to software validation, for certification or for improving internal processes

- **Training** in functional safety standards and the implementation of appropriate technologies (safety and secure communication protocols, certified/certifiable RTOS, etc.)

- **Audit of source code** and documentation following the software to verify compliance with the requirements of functional safety standards (IEC 62304, IEC 61508, ISO 13489, etc.) and/or cybersecurity (UL2900, IEC 60601/FDA, IEC 62443, DO326A/ED202A, ISO21434...)

- **Development of critical embedded software,** at application level or low level (creation / porting of BSP, communication stack, etc.) in quality assurance, with or without final certification

- **Software verification services** (advanced static analysis, unit and integration testing, validation) in accordance with the requirements of the security standards applicable to the project

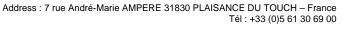# ON DEMAND SAFETY & CYBERSECURITY

TOOLS
- SCA & SAST Solutions
- Dynamic Application Security Testing (DAST)
- PLM/ALM Requirements Management
- Risk Manager
- Critical Embedded real-Time Software
  - Safety & Secure Certifiable
  - Hypervisor Secure Embedded Databases SQL
  - Graphics Critical/HMI Solutions
- Network simulator (CANopen, EtherCAT)
- Others: Programming and testing tools (Boundary Scan)

TECHNOLOGICS STACKS
- SAST, SCA, DAST, PKI
- Safety & cybersecure Application & GUI
- Libraries
- OS & Micro-OS
- Stack
- GPUs Monitor
- Multicore Framework
- Low-level protocol
- Safety Hardware
- XJTAG
- Secure bootloader

SERVICES
- Certification of security applications
- Source code, normative compliance audit, writing of Software Quality Assurance Plan
- Software testing Services (Unit Tests, Integration, Validation …)
- Trainings
  - Safety standards (DO-178, DO-254, IEC 61508, IEC 62304, ISO 26262, EN 50128 …)
  - Cybersecurity of embedded systems

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