YOUR SAFETY OUR PASSION

MTIC Group could be considered as one of the few *Global Players* in "***Management Systems, Testing, Inspection, Certification and Training***" fields thanks to the strong collaboration between the Certification Bodies **MTIC InterCert S.r.l.**, **InterCert GmbH - Group of MTIC, SPS InterCert S.A.,** and **MTIC Academy Sagl**, owing to their own accreditations and notifications, at national and international levels.

MTIC Group provides services and support to its customers to guarantee quality and safety in the wide world of certification and training at international level.

MTIC Group guarantees the opportunity to use a wide range of services, by combining the many years of experience in the field of product certification and the know-how in the field of management systems certification; it is able to satisfy any request, with a professional service which is diversified and specific for each customer and according to their individual needs.

		TRAINING
	1 – MANAGEMENT	
	2 - TESTING	
	3 - INSPECTION	
	4 - CERTIFICATION	

Group Headquarters
MTIC SWISS SA

Italy
MTIC InterCert S.r.l.

Switzerland
SPS InterCert S.A.
&
MTIC Academy Sagl

Germany
InterCert GmbH - Group of MTIC

BUSINESS LINES

MANAGEMENT SYSTEMS - TESTING - INSPECTION - CERTIFICATION

🇮🇹 MTIC InterCert S.r.l.

- **Personal protective equipment (Reg. 2016/425)**
- **Safety of toys (Directive 2009/48/EC)**
- **Appliances burning gaseous fuels (Reg. EU 2016/426)**
- **Machinery (Directive 2006/42/EC)**
- **Medical devices (Directive 93/42/EEC)**
- **Construction products (Reg. EU 305/2011)**
- **Pressure equipment (Directive 2014/68/EU)**
- **Equipment and protective systems intended for use in potentially explosive atmospheres (recast) (Directive 2014/34/EU)**
- **Fire reaction tests according to DM 26.06.84 and integration DM 03.09.01**
- **Tests on portable fire extinguishers and fire trailers according to DM 07.01.05 and DM 06.03.92**
- **Tests on building materials (Law 1086/71 and Circular 7617/STC)**
- **Tests on land and on-site Circular tests 7618/STC**
- **Quality Management System (ISO 9001)**
- **Certification of personnel (UNI CEI EN ISO/IEC 17024)**
- **Medical device - Quality Management System (ISO 13485)**
- **Inspection**
    - **Second- and Third-Party**
    - **Renewable Energy**
    - **Automotive Industry**
    - **Railway Industry**
    - **Playgrounds**

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BUSINESS LINES

MANAGEMENT SYSTEMS - TESTING - INSPECTION – CERTIFICATION

🇩🇪 InterCert GmbH – Group of MTIC -

- Construction products (Reg. EU 305/2011)
- Quality management system (ISO 9001)
- Environmental management system (ISO 14001)
- Food safety management system (ISO 22000)
- Information technology - security techniques - information security management systems (ISO/IEC 27001)
- Energy management systems (ISO 50001)
- Occupational Health and Safety Management System (ISO 45001)
- Data center certification
- Gaming & gambling certification
- Silicon Photovoltaic crystalline (PV) Modules - Design Qualification and Type Approval (IEC 61215)
- Photovoltaic (PV) Module Qualification and Safety Part 1: Requirements for Construction (IEC 61730-1)
- Photovoltaic (PV) module safety qualification part 2: requirements for testing (IEC 61730-2)
- Design of steel structures and aluminum structures part 1: verification of conformity of structural components (EN 1090-1)
- Quality requirements for fusion welding of metallic materials part 1: criteria for selecting the appropriate level of quality requirements (ISO 3834-1)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements (IEC 61215-1:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing crystalline silicon photovoltaic (PV) modules (IEC 61215-1-1:2016)

- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing cadmium telluride (CdTe)-based thin-film photovoltaic (PV) modules (IEC 61215-1-2:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing amorphous silicon-based thin-film photovoltaic (PV) modules (IEC 61215-1-3:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (IEC 61215-2:2016)
- Safety qualification of photovoltaic (PV) modules Part 1: Requirements for construction (IEC 61730-1:2016)
- Safety qualification of photovoltaic (PV) modules Part 2: Requirements for testing (IEC 61730-2:2016)
- Photovoltaic (PV) modules - Type approval, design and safety qualification Reproof (IEC TS 62915:2018)
- Environmental testing - Part 2-68: Tests - Test L: Dust and sand (IEC 60068-2-68:1194)
- Photovoltaic (PV) modules - Ammonia corrosion test (IEC 62716:2013)
- Photovoltaic (PV) modules - Salt spray corrosion test (IEC 61701:2020)
- Inspection
  - Second and third part
  - Energy Diagnosis
  - Renewable Energy

Group Headquarters	Italy	Switzerland	Germany
MTIC SWISS SA	MTIC InterCert S.r.l.	SPS InterCert S.A. & MTIC Academy Sagl	InterCert GmbH - Group of MTIC

✚ SPS InterCert SA

- Quality Management System (ISO 9001)
- Inspection
  - Second- and Third-Party
  - White appliances
  - Electronics Productions
  - Household utensils
  - Paper Products (Paper Cup, Paper Plate…etc)
  - Automotive
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements (IEC 61215-1:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (IEC 61215-1-1:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2016)
- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules (IEC 61215-1-4:2016)

- Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (IEC 61215-2:2016)
- Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction (IEC 61730-1:2016)
- Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing (IEC 61730-2:2016)
- Photovoltaic (PV) modules - Type approval, design and safety qualification – Retesting (IEC TS 62915:2018)
- Environmental testing - Part 2-68: Tests - Test L: Dust and sand (IEC 60068-2-68:1994)
- Photovoltaic (PV) modules - Ammonia corrosion testing (IEC 62716:2013)
- Photovoltaic (PV) modules – Salt mist corrosion testing (IEC 61701:2020)

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BUSINESS LINES

MANAGEMENT SYSTEMS - INSPECTION – CERTIFICATION - TRAINING

MTIC Intercert India Pvt. Ltd.

- **Quality Management System (ISO 9001)**
- **Medical device - Quality Management System (ISO 13485)**
- **Inspection**
  - **Second and Third Party**
  - **General Engineering**
  - **Automotive**
  - **Mechanical Inspection**
- **FSSAI from government of India**
- **Training**
  - **Management systems**
  - **HACCP**
  - **GMP**
- **Etc.**

SOME OF OUR GROUP ACCREDITATIONS		NOTIFICATION NUMBERS OF GROUP MEMBERS
ACCREDIA – Italy	DAkkS - Germany	CE 0068 – MTIC InterCert Srl
NABCB - India	NACI - Iran	CE 2584 – InterCert GmbH – Group of MTIC -
PNAC - Pakistan	SAS - Switzerland	

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BUSINESS LINES

TRAINING

➕ MTIC Academy Sagl

- Open Courses / Seminars
- Personnel Certification
- In Company Services
- Quality Management System
- Environmental Management Systems
- Industrial Services
- Health & Safety
- Food Safety Management Systems (ISO 22000)
- Health
- Automotive
- Management
- IT
- Etc.

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MTIC Group, operating worldwide in all continents and with customers in over 65 countries, provides companies with in-depth knowledge of the requirements and regulations applicable in each reference market so that they can take preventive action and make any improvements to the products to be placed on foreign markets from the initial stages of their life cycle.
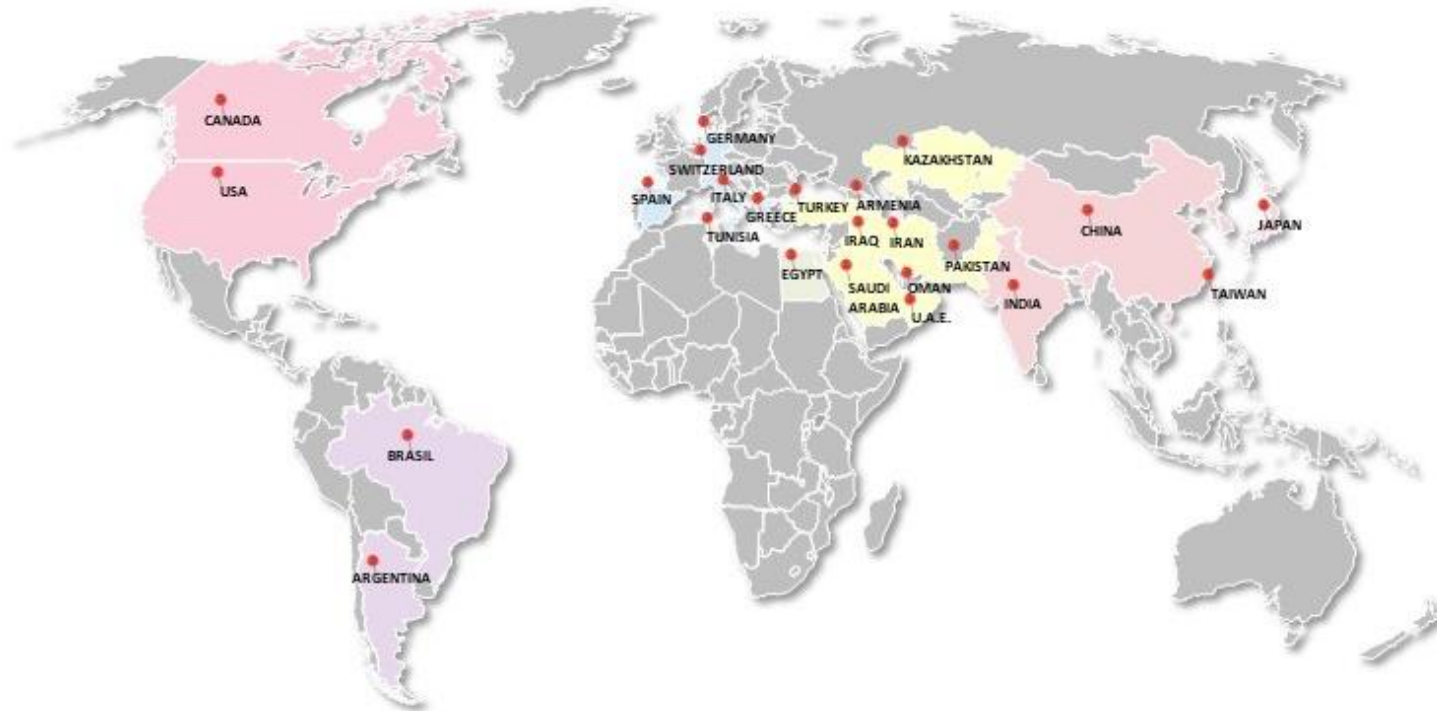
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CLOSER TO OUR CUSTOMERS BY OUR INTERNATIONAL OFFICES

MACHINERY DIRECTIVE

To be able to affix the **CE mark** to a machine as a guarantee of its safety, **Directive 2006/42/EC** defines the obligations of manufacturers, representatives and end users, to comply with the essential requirements of safety and health protection from the design, construction and use of machinery.

Thus, it is necessary for the manufacturer to carry out the risk assessment of the products and to compile the construction 'technical file' for them.

MTIC INTERCERT Srl is Notified Body with no. **CE 0068** since **1996** for the issue of the **EC-type examination certificate** to the manufacturers of the machines listed in Annex IV of Directive 2006/42/EC, according to a certification procedure structured in phases (or steps).

Annex X - Total Quality Assurance

We carry out audits in accordance with the Total Quality Assurance assessment procedure, which involves approval of the management system and the performance of surveillance audits.

Annex IX – EC-type examination
Step 1: INITIAL EVALUATION

Technical file evaluation and issue of evaluation report.

Step 2: LABORATORY & ON-SITE TEST

Carrying out any instrumental tests in the laboratory or directly in the field (e.g., noise, electrical safety, electromagnetic compatibility, etc.). On-site verification of the machine's compliance with the technical file and issue of the inspection report.

Step 3: FOLLOW-UP

Checking and verification for any changes made to the machine by the customer, verification of any changes to the technical file.

Step 4: CERTIFICATION

Independently review and issue of the EC-type examination certificate.

The Fourth Industrial Revolution, known to most as **Industry 4.0** now **Transition 4.0**, has its roots not only in the introduction and use of "new" technologies, but also, and above all, in a radical change in the concept of "organization" along the entire value chain; and when we talk about change and value, we cannot help but talk about "**innovation**".

Today, the companies more than ever, must deal with a new way of conceiving their business, based on an organism "company" that must be agile, dynamic, flexible and highly receptive, that is, in another word "innovative", placed in an increasingly globalized context. To remain competitive, they are called upon to deal with technological, organisational, process, product/service innovation, and it is essential that this happens in a **structured** and **systematic** manner.

In this context, companies will be presented with both opportunities and new risks. The main advantages are the improvement of the production level, of the competitiveness in the international markets, as well as the management of the customer's needs, the internal organizational climate and the brand reputation.

At the same time, the risks to be faced and managed are both structural and organisational, but often new. For example, it will be necessary to be prepared for compliance with new regulatory requirements, the impact of innovation on the health and safety of workers, the functional safety of machines and equipment, the security of information, cybercrime.

To support companies in this transformation process, **MTIC INTERCERT**, through its internal skills and qualified partners, has established a specific unit: **MTIC INNOVATION 4.0.**

Thanks to the services offered, companies will be able to demonstrate their level of innovation. Manufacturers, the predisposition of products to the requirements of interconnection beyond the guarantee of safety in accordance with technical standards and international guidelines. The users, the asseveration for the correspondence of the goods purchased to the requirements of the **plan TRANSIZIONE 4.0.**

In addition, with **MTIC INNOVATION 4.0**, the companies will benefit from specific services for information security: assessment of the level of information security, vulnerability assessment network, penetration test and certification of the information management system.

In this context, the company will require new qualified professional skills, such as the reference skills to transfer, manage and support innovation in the company, capable of creating value in the goods and services produced, in a durable and sustainable manner with the introduction of new organizational and business models.

MTIC INNOVATION 4.0 will be able to provide:

- INNOVATION MANAGEMENT SYSTEM Certification
- MTIC Mark for PRODUCT 4.0
- Transition 4.0 Conformity Assessment
- Innovation System Expert Expert Attestation
- Training courses on Innovation Management Systems and for the Professionals involved.

MTIC MARK for PRODUCT 4.0

The openness to innovation and integration of enabling t echnologies has led to innumerable benefits for companies at the production, organisational and economic levels.

The increasing media attention to the technological innovation of machinery has increased the sensitivity of the end users to the importance of using machinery that fulfils the "**Industry 4.0**" requirements.

As this is the direction in which the market is moving, certified products are now a **winning choice** for manufacturers.

The **MTIC Mark for Product 4.0** service offered by **MTIC INTERCERT Srl** is designed to ensure that the asset being verified is properly designed and manufactured to comply with international technical standards and guidelines and to fulfill the requirements of the "**Industry 4.0**", hereinafter "**Transition 4.0**", as well as to benefit from a tax credit.

The **MTIC mark** on the product has always been synonymous with safety, professionalism and impartiality and offers controls by qualified professionals, ensuring higher reliability than self-certifications.

Step 1: INITIAL ASSESSMENT

Inspection at the Manufacturer's site to verify the machine safety documentation and the preparation of the machine interconnection system and issue of the **Technical Report** according to **Law 232/2016**. The end user, to whom the Transition 4.0 tax benefits are intended, will therefore only have to subsequently verify the correct interconnection of the asset to the company's software.

Step 2: FACTORY INSPECTION

Audit at the Manufacturer's site to evaluate the production system and the company's ability to give **repeatability to series production** compared to the sample verified in Step 1.

Step 3: FINAL REPORT & CONFORMITY CERTIFICATION

Issue of the final report and the certificate with authorization to use the mark **MTIC PRODUCT 4.0.**

The openness to innovation and integration of enabling technologies has led to numerous benefits for companies at the production, organisational and economic levels.

Even at the level of international standardization, the desire was born to create a standard useful to demonstrate the ability of an organization to innovate.
On **July 15, 2019**, the **ISO 56002** standard "*Innovation management - Innovation management system - Guidance*" was published, i.e. the first international guideline on **Innovation Management Systems** that was developed by the ISO/TC 279 Innovation Management Technical Committee.

For organisations, the ability to innovate cannot be separated from the ability to understand and respond to the changing conditions of its context, to pursue new opportunities and to exploit the knowledge and creativity of people within the organisation and in collaboration with external stakeholders. An organisation can only innovate more effectively and efficiently if all the necessary activities and other interconnected or interacting elements are managed as a system. An innovation management system guides the organisation to determine its vision, strategy, policy, innovation objectives and to establish the support and processes necessary to achieve the expected results.

The intended benefits of implementing an innovation management system in accordance with ISO 56002 are:
- Increased ability to handle uncertainty;
- increased growth, revenues, profitability and competitiveness;
- reducing costs and waste and increasing productivity and resource efficiency;
- Improving sustainability and resilience;
- Increased satisfaction of users, customers, citizens and other interested parties;
- sustained renewal of the portfolio of offers;
- people who are committed and have roles in the organization;
- Increased ability to attract partners, employees and funding;
- Increased reputation and value of the organization;
- Facilitating compliance with regulations and other relevant requirements.

An innovation management system can hence be considered as a set of interconnected and interacting elements aimed at realising value.

The ISO/TC 279 focuses on the entire **ISO 56000 Innovation Management** series and in particular on documents:

- **UNI EN ISO 56000:2021**, Fundamentals and vocabulary
- **UNI EN ISO 56002:2021**, Innovation management system — Guidance
- **UNI EN ISO 56003:2021**, Tools and methods for innovation partnership — Guidance
- **UNI CEN ISO/TR 56004:2021**, Innovation Management Assessment — Guidance
- **UNI EN ISO 56005:2021**, Tools and methods for intellectual property management - Guidance
- **ISO 56006: 2021**, Tools and methods for strategic intelligence management - Guidance .

This document, like all the other currently in force ISOs, follows the *High Level Structure* (HLS) and thus specifically complies with the other standards for the Management Systems.

With the **MTIC INTERCERT Certification** scheme, based on the ISO 56002 document, the companies will be able to demonstrate to their customers and partners the importance of an Innovation Management System.

In recent years, the subject of innovation has been a very important topic for companies, as numerous statistics show interesting data related to the growth of production, marketing, installation and use of machines and / or almost machines, robots and robotic islands connected to computer systems through the use of new technologies.

Through the modernization of plants and machinery, and consequently their advanced automation, there have been interesting results both in the field of productivity, as the production and organizational processes are more effective and faster, and in the field of health and safety at work, as it has a positive impact on the control of risks for workers.

In Italy, the National Plan "**Industry 4.0**", currently "**Transition 4.0**" is intended to improve the productivity of enterprises through the integration of new technologies, taking into account the requirements relating to the safety of machinery and the health and safety of workers.

Circular no. 4/E of 30 March 2017, written by the Inland Revenue and the Ministry of Economic Development, **defines as the main objective of Hyperamortisation,** currently **tax credit, that of encouraging and supporting companies in investments for the technological and digital transformation in a "4.0" key.**

TRANSITION 4.0 |CONFORMITY ASSESSMENT by **MTIC INTERCERT Srl** is a **modular voluntary service** structured in **several stages** that was created to assist organizations in this process of innovation and to allow them to take advantage of the opportunities provided by the **National Transition Plan 4**

Step 1: INITIAL ASSESSEMENT

On-site inspection to verify the machine safety documentation and the relative interconnection system and their integration.

Step 2: FINAL REPORT & CONFORMITY CERTIFICATION

Issue of the Technical Report according to Act 232/2016 and of the specific Attestation of Conformity 4.0 of the verified machinery.