




## Company Profile

**ABIRK** is a company dealing with consulting, system integration, R&D, innovation and technology transfer in the scope of ICT across different industrial fields.

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# Our mission

**Support our customers in the optimal management of their business processes by creating ICT technology solutions, also complex but effective, with a high degree of final usability**

This means the selection, integration and creation of information systems, introducing innovation and creativity, bringing our resources to work together with those of our customers, within long lasting relations and mutual trust, listening, entering into details, with passion, expertise and determination sharing at every stage of the projects, the final objectives.



# Our vision

Information technology offers great possibilities itself in support of operational processes, making them simple, intuitive and accessible, managing automations, in total control of the parameters of corporate interest

This requires not only discipline, it is essential to fully understand the processes to ensure the actual connection of users and machines to technology ensuring interfaces, organization and proper ways to operate with simplicity and robust automation.

**ABIRK** addresses and solves these issues with companies that have problems of integration of the solutions in use, facing new processes or who want to optimize existing ones, who believe in the potential of technology and want to introduce innovation for them and for their clients.



# Our values

## Offer the customer the best we have in terms of competences, integrity and reliability

Commitment to achieving excellence and a distinctive impact.

Maximum guaranteed confidentiality conscious to collaborate in the construction of key processes and products for our customers.

Rely on outstanding employees prepared for the tasks and with the abilities to achieve the goal.

Build lasting relationships based on mutual trust.



# Competeces - Solutions

## Software and consulting for maintenance management

Automatic scheduling of maintenance tasks.

ECM processes for the management of activities (EU445 / 2011 / EU).

Management of service requests and activities reports.

Warehouse management.

Implementation and processes for QR-code, RFID, NFC.

Spare parts catalogs.

App for tablets and smartphones for use cases in the field.





# Competences - Solutions

## Software and consulting for remote monitoring and data mining

Remote Monitoring and Tracking (rail vehicles, systems, installations, environmental).

Diagnostics and Prognostics (rail vehicles, systems, installations).

Control rooms (maintenance centers, railway operators).

Data Mining for the extraction of information from the data (predictive maintenance).

Analytical engines, CBM for prognostic failures.

Management of counters and meters for CBM (maintenance on condition).



# Competences – Technology & Services

## Software and consulting for system server/client real time

Server Farm (Swiss) & Cloud Computing (international).

Design and development of database SQL and NO-SQL.

Design of Web applications and portals (windows and linux).

Design and implementation of distributed architectures (eg. WEB Services).

Server/Client and real time architectures.

App development (Android, Apple, Windows).

Applications based on QR-Code, RFID, NFC.



# Research, Development and Innovation

**In 2015 ABIRK Advanced Technology Center (ABIRK ATC) is founded to coordinate the activities of research, development and innovation at national and international level**

**ABIRK ATC** incorporates:

MSC LAB - Medservice.com Laboratory (Systems and Technologies for Enterprise Automation and Management).

MIND LAB (Laboratory Of Artificial Intelligence for the Diagnosis Of Complex Systems).

The mission of **ABIRK ATC** is to act as a collector and aggregator of all previous experiences of research carried out at the global level as well as being the point of reference and orientation for all new research and development.





# Research, Development and Innovation

**ABIRK collaborates with research institutes and consortium, including:**

**USI** - Lugano (CH) (University of Italian Switzerland).

**SUPSI** - Manno (CH) (University of Applied Sciences of Italian Switzerland).

**University of Genoa** (IT) (departments DIBRIS and DITEN).

**SIIT** (Intelligent Integrated Systems and Technologies).

**TICASS** (Innovative Technologies for Environmental Control and Sustainable Development).

**DLTM** (Liguria District of Marine Technologies).





Thanks for your attention

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