aiz⊙⊙n® AUSTRALIA EUROPE USA
TECHNOLOGY & CONSULTING

ENABLING SUSTAINABLE INNOVATION

COMPANY PROFILE

May 2024

GROUP PROFILE & GLOBAL FOOTPRINT

aizoOn is a global technology consulting company focused on innovation

We support our customers in all continents:
Africa, America, Asia, Europa, Oceania

VISION / MISSION

Our Vision: is about using the scientific method and focus on data-driven decisions to enable a more responsible and sustainable society

Our Mission: is to support our customers in their journey through the digital era, bringing strong know-how in technology and innovation

APPROACH

The digital economy requires new visions, technologies and organizational models

We have embraced the **ecosystem** approach: innovation is created by a process of co-creation involving government agencies, individuals, public and private entities

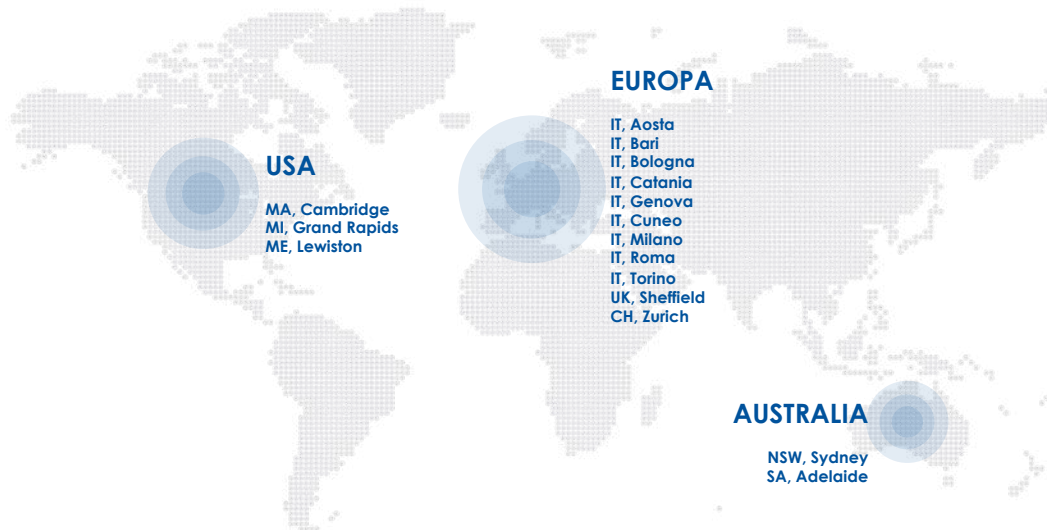**8 Markets**
+50 Industries

+670 Professionals

+130 Clients

2 Technology Divisions
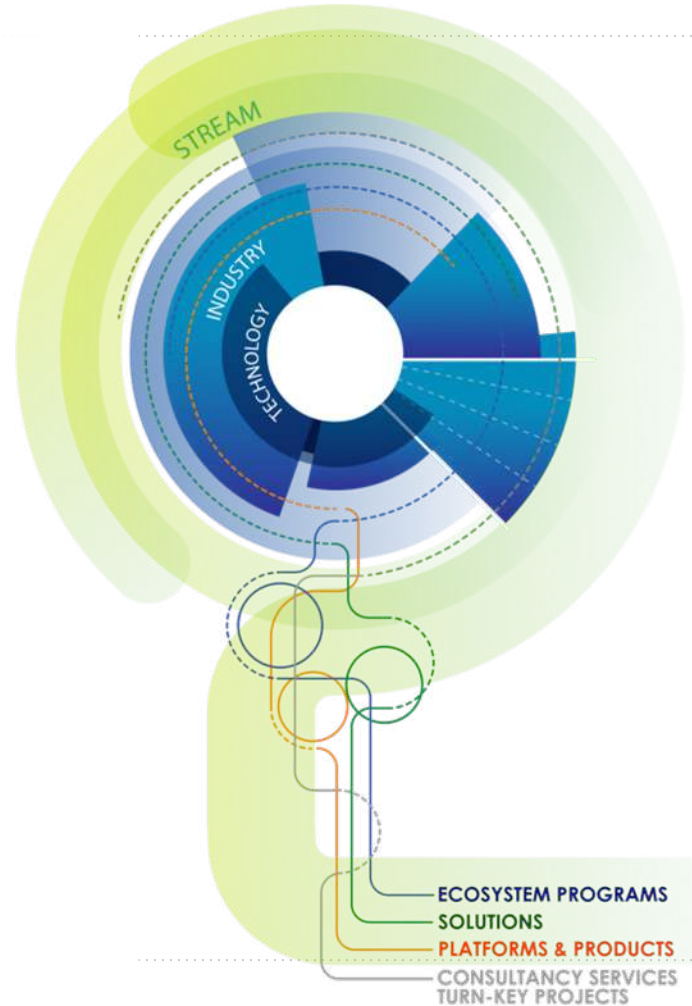Digital Engineering and Innovation | Cyber Security

ISO 9001 | **ISO/IEC 27001** | **ISO 14064-1** | **EN 9100** | **UNI/PdR 125:2022**

USA
MA, Cambridge
MI, Grand Rapids
ME, Lewiston

EUROPA
IT, Aosta
IT, Bari
IT, Bologna
IT, Catania
IT, Genova
IT, Cuneo
IT, Milano
IT, Roma
IT, Torino
UK, Sheffield
CH, Zurich

AUSTRALIA
NSW, Sydney
SA, Adelaide

ORGANIZATION

aizoOn is committed to providing its customers with a unique capability for end-to-end intervention based on three pillars:

- **ABILITY TO CREATE INNOVATION**

- **BUSINESS PROXIMITY**

- **EXCELLENT TECHNOLOGY COMPETENCE**

STREAM
INDUSTRY
TECHNOLOGY

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
TURN-KEY PROJECTS

LEVELS OF ACTIVITY

aizoOn supports its customers in the transition to the digital age, where the boundaries between traditional sectors and companies are blurring and business models are changing at an increasingly faster pace.

ECOSYSTEM PROGRAMS
aizoOn is part of an active network of excellence: Universities, Research Centers and Technology Leaders. It accompanies the transformative innovation of its customers through a digital and sustainaible ecosystem approach.
In this framework aizoOn has a distinctive capability for:
- Proposal and leadership of funded research projects at international and national levels;
- Design and management of *Test before Invest* processes: Feasibility - Proof of Concept – Prototyping.

SOLUTIONS
Our solutions are based on the integration of skills, processes, information and technologies to support a set of technical issues, that solve one or more business problems and to improve the sustainabilty of some processes and products. Our solutions speed up the development and delivery of highly innovative tailored applications.
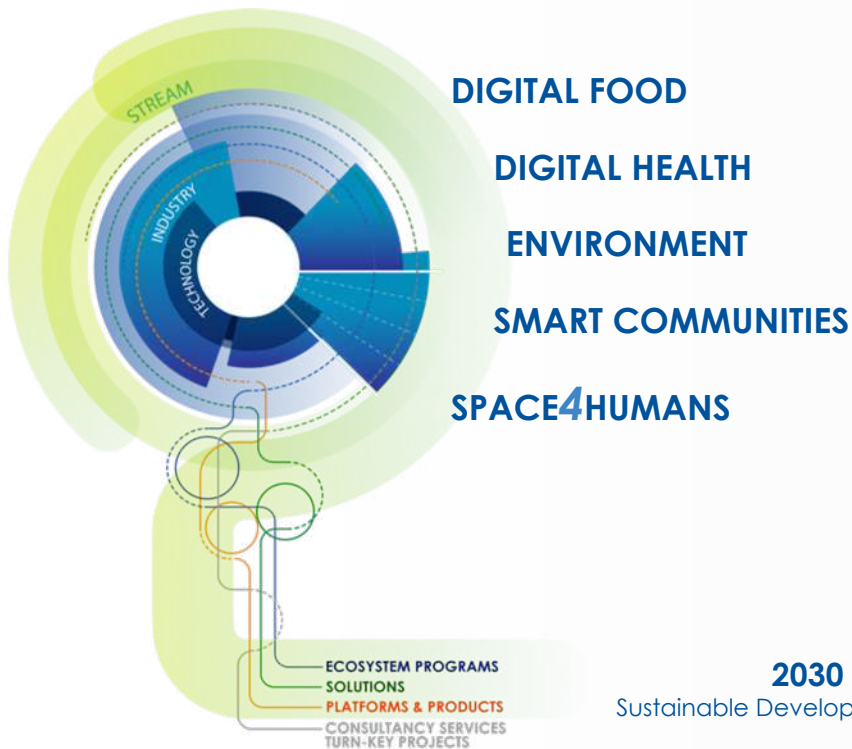
PLATFORMS & PRODUCTS
aizoOn develops and owns leading edge technologies and proprietary products built upon our Cybersecurity competences and data-driven approach.

CONSULTANCY SERVICES
TURN-KEY PROJECTS
We deliver consultancy services integrating our experts directly into the customer's teams. We commit to turn-key deliverables to fulfill customer requirements. Our responsiveness is based on the aggregation of appropriate technological and methodological skills and our efficient governance and implementation abilities. We can act as a system integrator of different platforms and applications when needed.

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES TURN-KEY PROJECTS

INNOVATION STREAMS

DIGITAL FOOD

DIGITAL HEALTH

ENVIRONMENT

SMART COMMUNITIES

SPACE4HUMANS

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
TURN-KEY PROJECTS

Streams are **cross-sectorial** areas of interest where a **variety of actors share common objectives** that can be pursued through **digital ecosystems**: an ensemble of multiple skills and technologies unified by the digital back-bone.
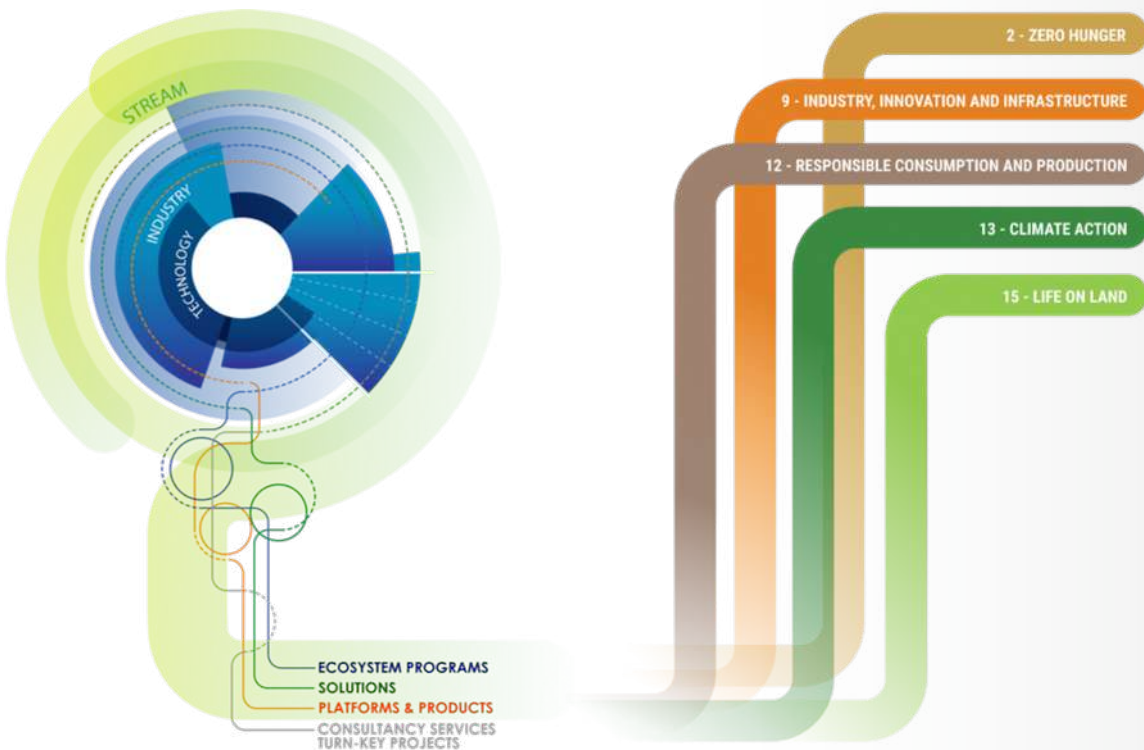
Streams address some of the main universal issues as stated by the UN **2030 Agenda.**

2030 AGENDA
Sustainable Development Goals

INNOVATION STREAMS

2030 AGENDA
Sustainable Development Goals

2 - ZERO HUNGER

9 - INDUSTRY, INNOVATION AND INFRASTRUCTURE

12 - RESPONSIBLE CONSUMPTION AND PRODUCTION

13 - CLIMATE ACTION

15 - LIFE ON LAND

STREAM

INDUSTRY

TECHNOLOGY

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
TURN-KEY PROJECTS

DIGITAL FOOD

Let's imagine the future of food: the development of digital and interdependent tools will completely change our true concept of food.

Digital technologies are teaching us to eat better and locally, getting us out of junk food and excessive consumption. Digital transition makes emerging ideas easy everywhere, whether for the production, distribution or consumption of our food, considering five pillars: Taste, Safety, Health, Sociability and Sustainability.

Through its partnership **Digital Food Ecosystem**, aizoOn brings together several know-hows in **Science Math** and **Technology** to provide a distinctive proposal for Industrial End- Users, Original Equipment Manufacturers, Retailers, Consumers and the Society as a whole.

Circular Food System, Digital Traceability, Process and Product Innovation, and Smart Agriculture are some of the great challenges selected by our method to address the major and broader issues in the agri-food field.

Digital Food Ecosystem

INNOVATION STREAMS

2030 AGENDA
Sustainable Development Goals

3 - GOOD HEALTH AND WELL BEING

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
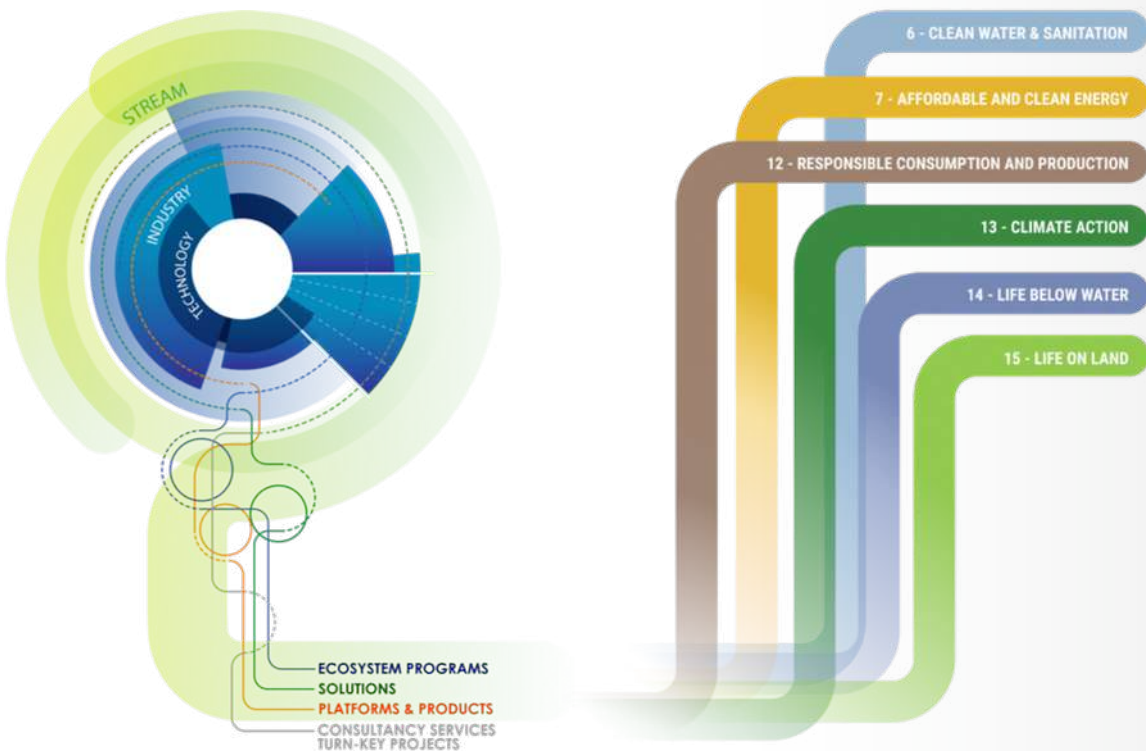TURN-KEY PROJECTS

DIGITAL HEALTH

Improving the lives of people requires understanding, preventing, curing and caring for those affected by diseases, including their families.

Digital technologies have the potential to transform how we do this in a variety of ways. We can use **Artificial Intelligence** and **Digital Imaging** to understand the risks, early onset and progression of high-impacting diseases such as cancer or neurodegenerative disorders at the genetic and cellular level. We can improve support to fragile patients by providing **teleassistance** and **telemonitoring**. We can optimize the healthcare system as a whole by **digitizing**, **centralizing and sharing data** used by doctors and researchers.

Advancing in these areas, all of which require the specific digital, life sciences, and healthcare skills provided by **aizoOn**, will result in the possibility for everyone to live longer and better lives.

INNOVATION STREAM

- 6 - CLEAN WATER & SANITATION
- 7 - AFFORDABLE AND CLEAN ENERGY
- 12 - RESPONSIBLE CONSUMPTION AND PRODUCTION
- 13 - CLIMATE ACTION
- 14 - LIFE BELOW WATER
- 15 - LIFE ON LAND

ECOSYSTEM PROGRAMS
SOLUTIONS
PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
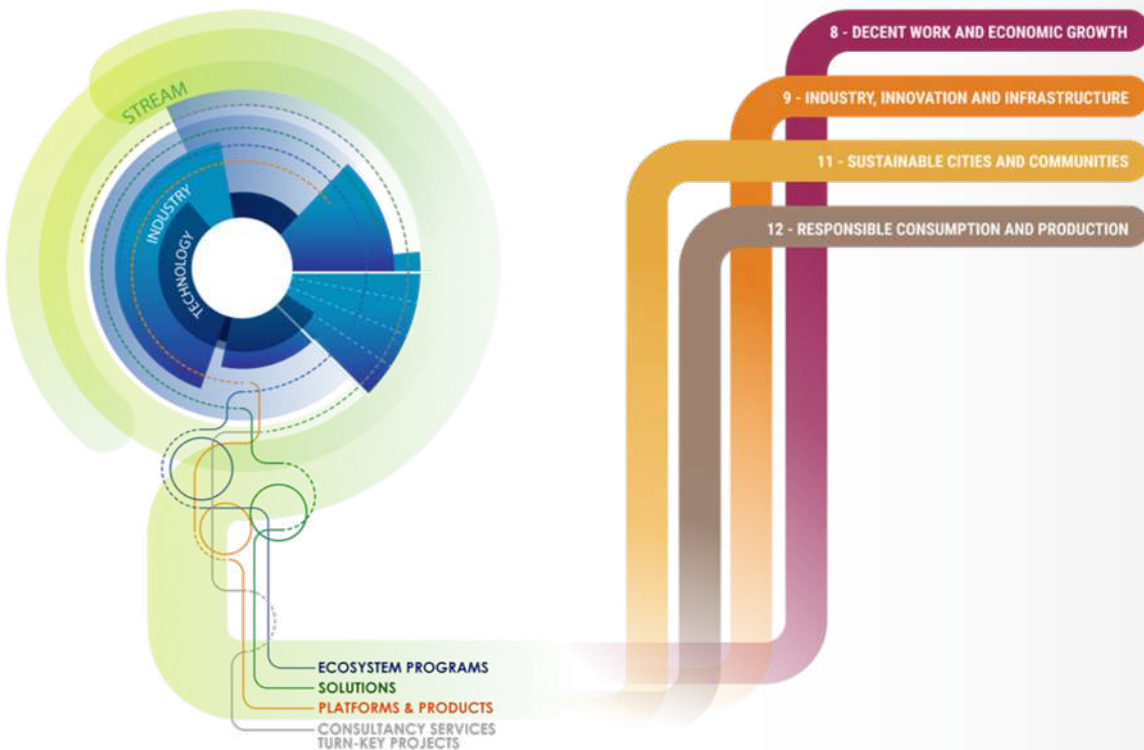TURN-KEY PROJECTS

ENVIRONMENT

The environmental challenges ahead of us are global and structural: the core systems of our societies need to dramatically change. That is especially urgent for those systems related to energy, water and natural resources.

Digital Technologies – and their countless mobile applications, sensors, connected objects, meters and smart grids, environmental performance measurement models – **can provide many opportunities to respond to environmental challenges**. They can be used for better observation and real-time monitoring of the state of our planet, the air we breathe and our forests. They can also be a powerful and helpful tool for the optimization of critical infrastructures and industrial systems: for instance, they provide the means to locate **leaks in water distribution networks**, they contribute to a better energy network functioning (**Smart Grid**) and to a **greater penetration of renewable energy** and to **the optimization of resource consumption in production processes.**

aizoOn wants to take the responsibility that comes with being an enabler of the ecological transition and make an actual, profound and sustainable contribution in changing our systems of production and consumption of energy, water and natural resources.

INNOVATION STREAM

- 8 - DECENT WORK AND ECONOMIC GROWTH
- 9 - INDUSTRY, INNOVATION AND INFRASTRUCTURE
- 11 - SUSTAINABLE CITIES AND COMMUNITIES
- 12 - RESPONSIBLE CONSUMPTION AND PRODUCTION

- ECOSYSTEM PROGRAMS
- SOLUTIONS
- PLATFORMS & PRODUCTS
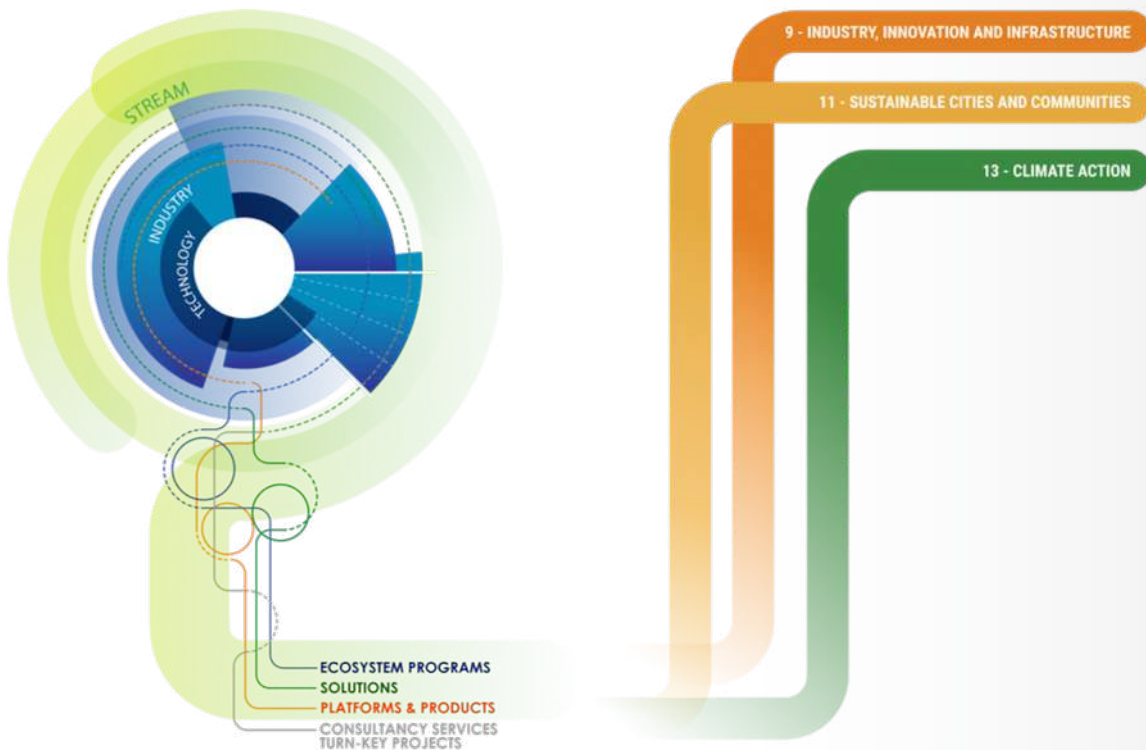- CONSULTANCY SERVICES
- TURN-KEY PROJECTS

SMART COMMUNITIES

One of the most relevant implication in the Digital Revolution is the renewed centrality of each individual as a core actor of the Digital Transformation itself, according to the **Internet of Humans** paradigm. This decisively enables the possibility to contribute to common and shared scopes.

This people-centered approach provides an extraordinary opportunity for **Smart Communities**: pursuing new ways of collective well-being at different scales and rethinking conventional processes. The aim is to **involve collective intelligence** as an effective contribute to the development of prosperous, sustainable and livable communities.

aizoOn is an active part of this Digital transformation that enables both fast and direct communication among citizens and various collective participation techniques (**living lab, crowdsourcing**, **citizen science**, **gamification**). The latter techniques support public administrations in the transition to **Smart Communities** (e.g. cities and mobility), based on the needs of citizens, both as a single person and in aggregate form.

INNOVATION STREAM

2030 AGENDA
Sustainable Development Goals

9 - INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 - SUSTAINABLE CITIES AND COMMUNITIES

13 - CLIMATE ACTION

ECOSYSTEM PROGRAMS
SOLUTIONS
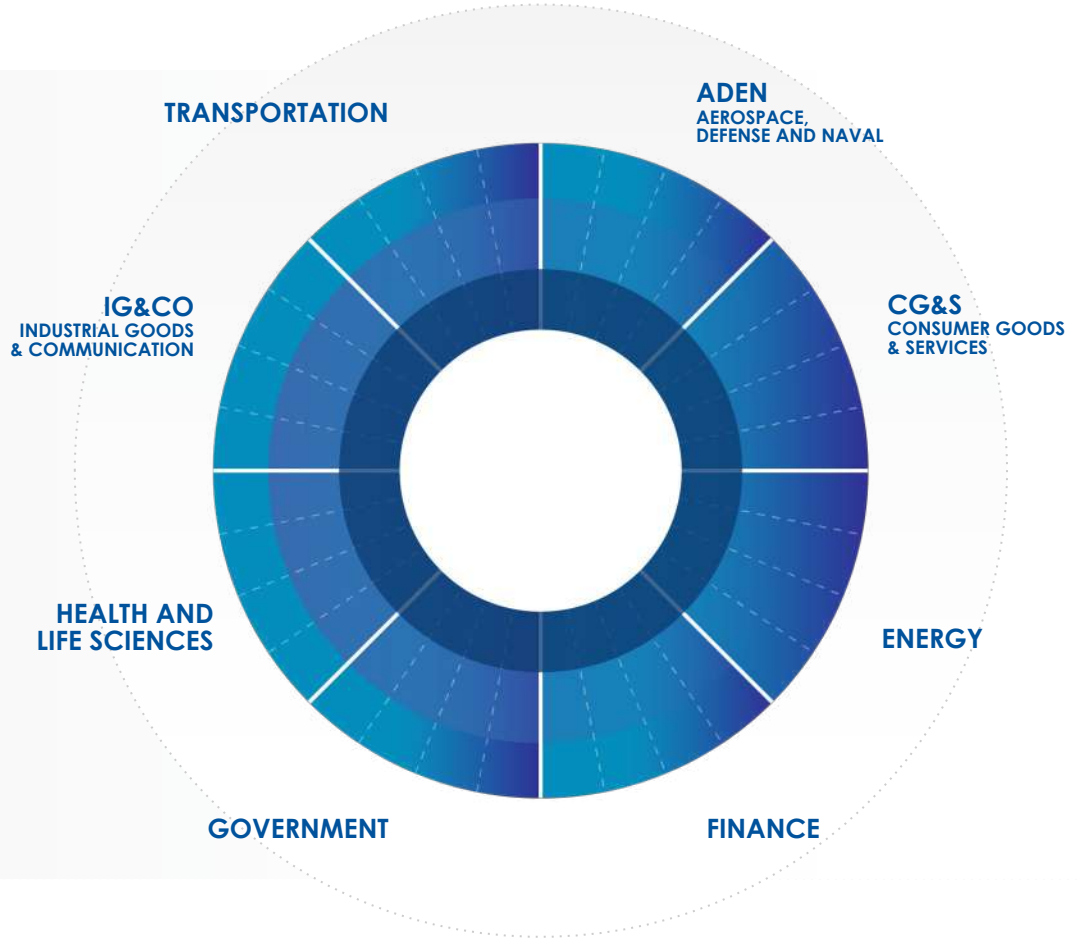PLATFORMS & PRODUCTS
CONSULTANCY SERVICES
TURN-KEY PROJECTS

SPACE**4**HUMANS

Space is widely recognized as one of the most important enablers to build a better and more sustainable life on Earth. In fact, space is involved and essential in connecting people anywhere and anytime with **Telecommunication satellite constellations**, optimizing the use of natural resources and protecting at-risk populations with **Earth Observation Satellites**, in making traveling easier with **GNSS satellites,** and in exploring the universe to better understand Earth with **exploration missions**.

aizoOn aims to be an actual and impactful contributor to these fundamental goals, and it is already working, in partnership with other Industries and Research institutions, on the Galileo constellation (1st and 2nd generation), and on Earth Observation. The established goal is to bring knowledge of Digital Transformation processes, guided by data and Artificial Intelligence contributing to the so-called **New Space Economy**.
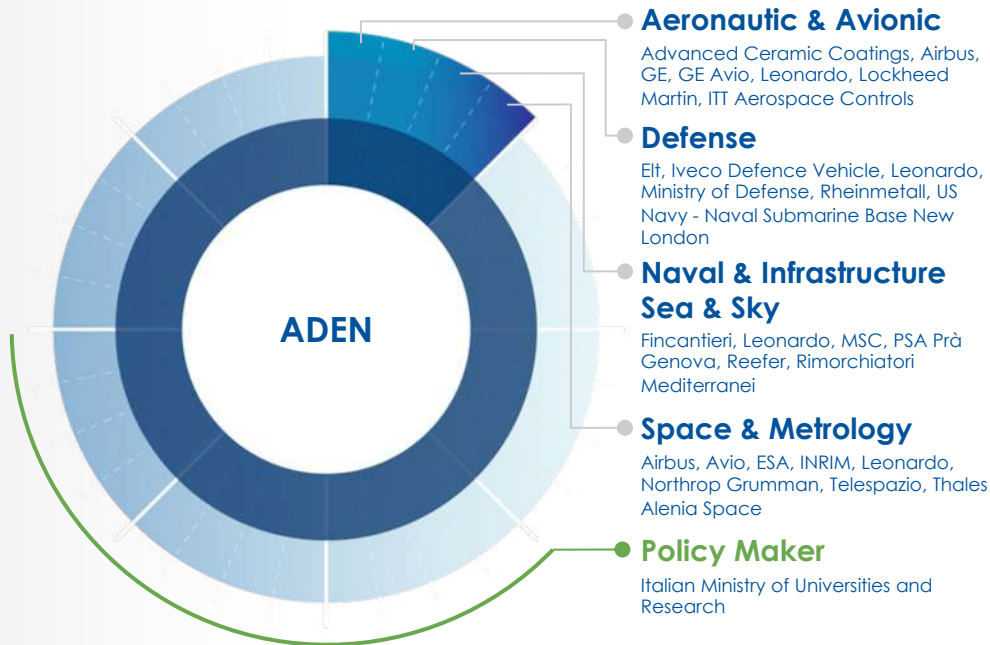
MARKET AREAS

8 market Areas + 50 industries to ensure a thorough and attentive knowledge of the needs and transformations taking place in the involved areas.

TRANSPORTATION

ADEN
AEROSPACE,
DEFENSE AND NAVAL

IG&CO
INDUSTRIAL GOODS
& COMMUNICATION

CG&S
CONSUMER GOODS
& SERVICES

HEALTH AND
LIFE SCIENCES

ENERGY

GOVERNMENT

FINANCE

AEROSPACE, DEFENSE AND NAVAL

Covered industries:
Aeronautic, Avionic, Defense, Naval, Metrology, Space, Infrastructure - Sea & Sky

ADEN

Aeronautic & Avionic

Advanced Ceramic Coatings, Airbus, GE, GE Avio, Leonardo, Lockheed Martin, ITT Aerospace Controls

Defense

Elt, Iveco Defence Vehicle, Leonardo, Ministry of Defense, Rheinmetall, US Navy - Naval Submarine Base New London

Naval & Infrastructure Sea & Sky

Fincantieri, Leonardo, MSC, PSA Prà Genova, Reefer, Rimorchiatori Mediterranei

Space & Metrology

Airbus, Avio, ESA, INRIM, Leonardo, Northrop Grumman, Telespazio, Thales Alenia Space

Policy Maker

Italian Ministry of Universities and Research

MAIN & STRATEGIC CLIENTS

ACC · AIRBUS · ASI Agenzia Spaziale Italiana
AVIO · elt · eesa
FINCANTIERI · LEONARDO · LOCKHEED MARTIN
msc · Naval Submarine Base New London · ThalesAlenia Space

AEROSPACE, DEFENSE AND NAVAL

ADEN

Aeronautic & Avionic

- Data acquisition real-time applications development for sensor calibration

- Data Exchange with Production Machines

- Manufacturing Execution System (MES)

- Model Based Design for UAV and aircrafts

- Project Management

- Propulsion engineering for UAV

- SW engineering for aircrafts

- System engineering for Inertial Navigation systems

Defense

- Cyber defence, threat intelligence, malware analysis, machine learning

- Electronic warfare

- Embedded SW, FW and HW Design (FPGA)

- Flight mechanics, System Engineer

- Safety critical SW Development (C, ADA)

- SW testing for radar applications

- Warehouse automation

Naval

- Automation & Control

- Naval Combat System

- Project Management

- Proposal Sales Eng. for international tenders; pre & post sales support

- Warehouse automation

Space & Metrology

- AI & SAR for Earth Observation

- AIV & AIT

- Cyber defense, threat intelligence, malware analysis, machine learning

- FPGA Development

- Management of all Phases (A to E) of space program (standard ECSS-M-St-10)

- Mission analysis: GNC, AOCS, telecommand & telemetry

- Modelling, algorithms and simulation

- On board SW development, ECSS, image processing, Optical Spectroscopies, lasers, microscopies
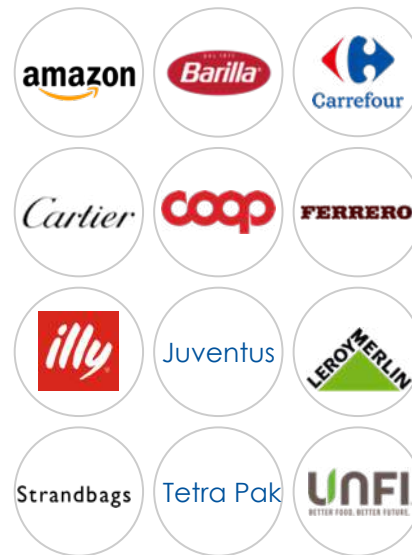
aizoOn
TECHNOLOGY & CONSULTING
AUSTRALIA EUROPE USA

May 2024

CONSUMER GOODS AND SERVICES

Covered industries:
Food and Beverage, Retail, Home and Personal Care, Fashion and Luxury, Sport and Entertainment

CONSUMER GOODS AND SERVICES

Food and Beverage

Agras Delic, Baladin, Barilla, Ferrero, Fratelli Saclà, GEA Pavan, IF&B, Illy Caffè, Inalpi, Progeo, KQ S.p.a, National Beef, Robino e Galandrino, Soremartec, Terremerse, Tetra Pak, United Natural Foods, Venchi

Retail, Home and Personal Care

Amazon, Coop, Diva, GS Carrefour, Iperal, JD.com, Kwik Trip, Leroy Merlin, Lowe's, Strandbags, Tecnomat

Fashion and Luxury

Bendon, Cartier (PGI), Lids, Richemont

Sport and Entertainment

Juventus, Lottomatica, Sisal

MAIN & STRATEGIC CLIENTS

amazon · Barilla · Carrefour

Cartier · coop · FERRERO

illy · Juventus · LEROY MERLIN

Strandbags · Tetra Pak · UNFI

CONSUMER GOODS AND SERVICES

CONSUMER GOODS AND SERVICES

Food & Beverage

- Cybersecurity training
- Digital transition advisoring (Industry 4.0)
- DSS - Decision Support Systems
- ERP Consulting
- I-SOC, Intelligent Cybersecurity Operation Center
- Life Cycle Assesment
- Predictive maintenance of machinery
- Process Data-Driven Digital Twin
- Smart Agriculture
- Sustainability Analysis
- Smart Quality Control
- Visual analytics, Machine learning, Artificial Intelligence
- Vulnerability Assessment and Penetration test
- Warehouse automation

Retail, Home and Personal Care

- Cybersecurity awareness development
- Data-Driven Risk Management
- I-SOC, Intelligent Cybersecurity Operation Center
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- Life Cycle Assesment
- Network security
- Sustainabilty Analysis
- Warehouse Automation

Fashion and Luxury

- Business Continuity planning
- Infrastructure management
- Life Cycle Assesment
- Product development
- Process engineering
- Purchasing support
- Sustainability Analysis
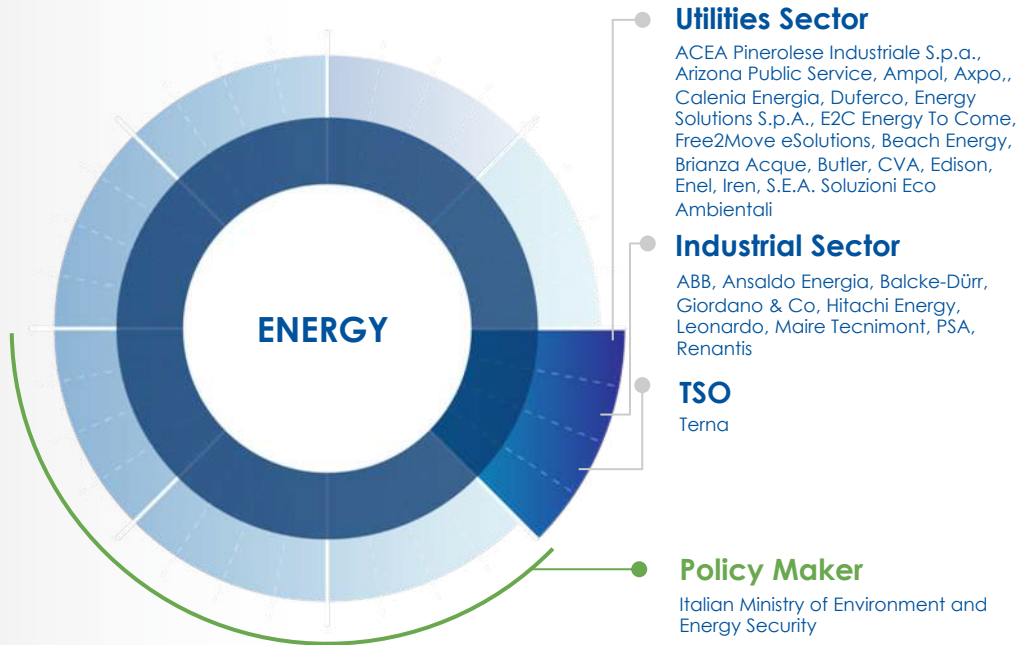- Warehouse automation

Sport and Entertainment

- Cybersecurity risk assessment
- Data-Driven Risk Management
- IT Project Management
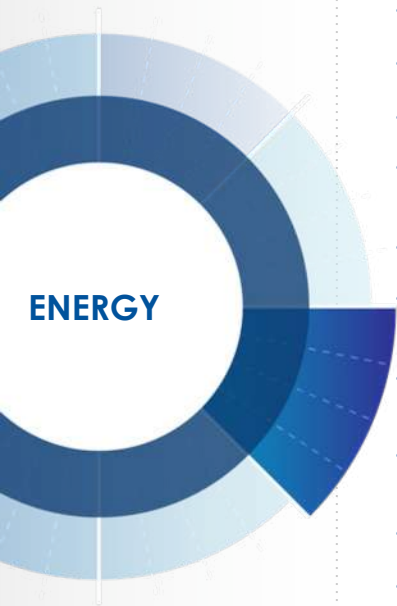- IT Service Management
- Sustainability Analysis

May 2024

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ENERGY

Covered industries:
Industrial Sector, Transmission System Operator, Utilities Sector

Utilities Sector

ACEA Pinerolese Industriale S.p.a., Arizona Public Service, Ampol, Axpo,, Calenia Energia, Duferco, Energy Solutions S.p.A., E2C Energy To Come, Free2Move eSolutions, Beach Energy, Brianza Acque, Butler, CVA, Edison, Enel, Iren, S.E.A. Soluzioni Eco Ambientali

Industrial Sector

ABB, Ansaldo Energia, Balcke-Dürr, Giordano & Co, Hitachi Energy, Leonardo, Maire Tecnimont, PSA, Renantis

TSO

Terna

Policy Maker

Italian Ministry of Environment and Energy Security

ENERGY

MAIN & STRATEGIC CLIENTS

ABB | aps | axpo
beach | Butler | EDISON edf GROUP
enel | Hitachi Energy | iren
Duferco Energia | S.E.A. Soluzioni Eco Ambientali | Terna Driving Energy

May 2024

ENERGY

ENERGY

Digital Energy

- Automation
- Cybersecurity
- Efficient hydrogen storage
- Forecasting for Renewable energies
- IoT solution
- Monitoring real time and performance analysis
- Platform dedicated to the Energy Communities.
- Predictive maintenance and failure prevention
- Risk management
- Sustainability Analysis

Energy retail

- Business & data sharing management
- Cybersecurity
- Customer Management
- Low-code application platforms
- Management of sales and billing processes
- Risk management
- Settlement

Smart Water

- Cybersecurity
- Leakage reduction in water supply network
- Monitoring for energy efficiency
- "Smart sensors" and "smart meters"
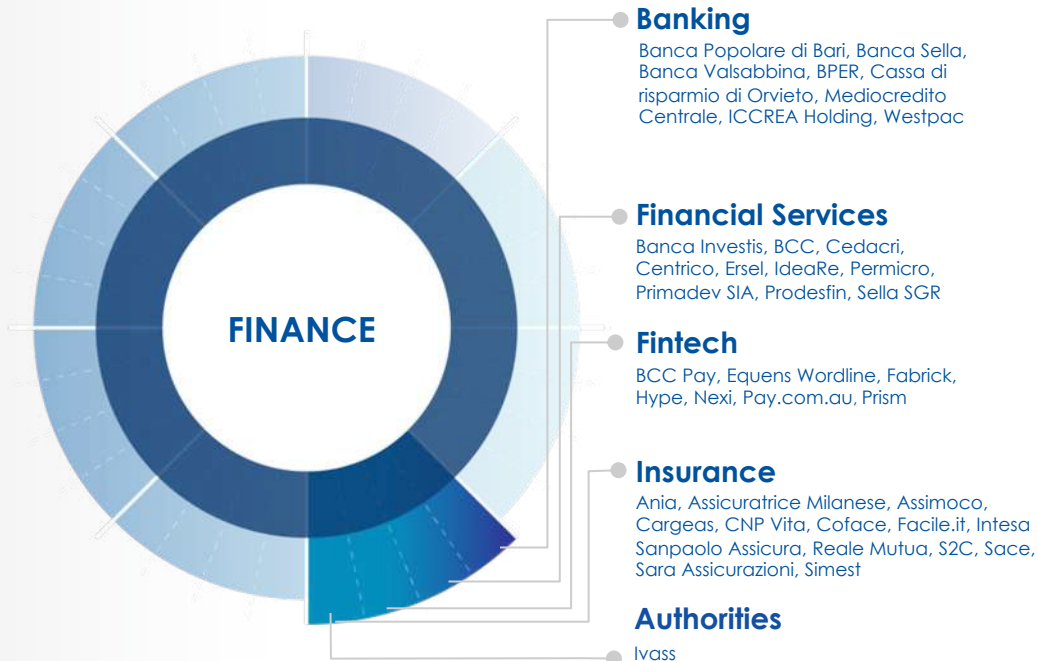- Sustainability Analysis

Waste Managment

- Automation
- Digitalization and optimization of processing parameter
- Monitoring for energy efficiency
- Monitoring in real time and performance analysis
- Predictive maintenance and failure prevention
- Sustainability Analysis
- Waste tracebility systems and digitalization

FINANCE

Covered industries:
Banking, Financial Services, Fintech, Insurance

FINANCE

Banking
Banca Popolare di Bari, Banca Sella, Banca Valsabbina, BPER, Cassa di risparmio di Orvieto, Mediocredito Centrale, ICCREA Holding, Westpac

Financial Services
Banca Investis, BCC, Cedacri, Centrico, Ersel, IdeaRe, Permicro, Primadev SIA, Prodesfin, Sella SGR

Fintech
BCC Pay, Equens Wordline, Fabrick, Hype, Nexi, Pay.com.au, Prism

Insurance
Ania, Assicuratrice Milanese, Assimoco, Cargeas, CNP Vita, Coface, Facile.it, Intesa Sanpaolo Assicura, Reale Mutua, S2C, Sace, Sara Assicurazioni, Simest

Authorities
Ivass

MAIN & STRATEGIC CLIENTS

FINANCE

FINANCE

Banking

- Basilea 3 Rating
- CERVED: rating ECAI
- Clients onboarding portal
- Continuous Gross Settlement
- CRIF: EURISC
- Cybersecurity awareness
- Data-driven Risk Management
- EXPERIAN: C.A.I.S
- I-SOC, Intelligent Cybersecurity Operation Center
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- Information Security Strategy
- Instant Payment
- MyBank
- Pilck
- Request to Pay
- Sepa Credit Transfers
- Sepa Direct Debits
- STAT-PRO-Confluence

Financial Services

- Architecture
- Anti Money Laundering
- Business Process Reengineering
- Credits Management
- Cybersecurity awareness
- Data-driven Risk Management
- I-SOC, Intelligent Cybersecurity Operation Center
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- IT monitoring
- Non-Performing-Loans Management

Fintech/Insurtech

- Digital money
- I-SOC, Intelligent Cybersecurity Operation Center
- Mobile payments
- Open Banking
- Prepaid cards
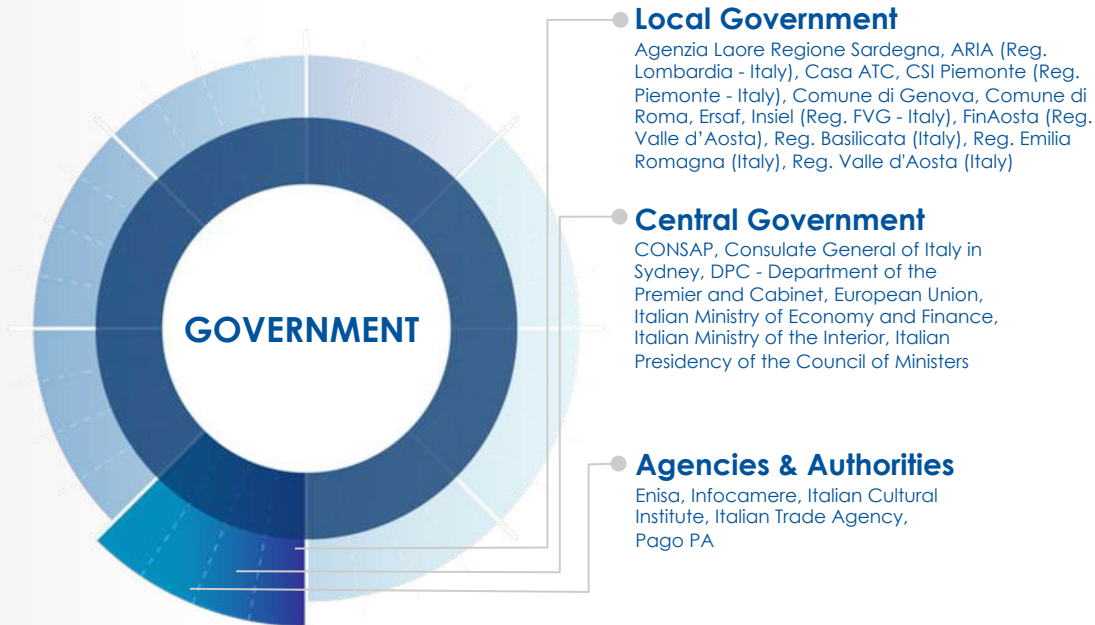- Policies IOT Integration
- Private Blockchain

Insurance

- Business Analysis
- Core insurance processes development
- Cybersecurity awareness
- Data-driven Risk Management
- I-SOC, Intelligent Cybersecurity Operation Center
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- RCA Comparator
- Product Development
- Red Teaming

May 2024

GOVERNMENT

Covered industries:
Local Government, Central Government, National Agencies & Authorities

GOVERNMENT

Local Government
Agenzia Laore Regione Sardegna, ARIA (Reg. Lombardia - Italy), Casa ATC, CSI Piemonte (Reg. Piemonte - Italy), Comune di Genova, Comune di Roma, Ersaf, Insiel (Reg. FVG - Italy), FinAosta (Reg. Valle d'Aosta), Reg. Basilicata (Italy), Reg. Emilia Romagna (Italy), Reg. Valle d'Aosta (Italy)

Central Government
CONSAP, Consulate General of Italy in Sydney, DPC - Department of the Premier and Cabinet, European Union, Italian Ministry of Economy and Finance, Italian Ministry of the Interior, Italian Presidency of the Council of Ministers

Agencies & Authorities
Enisa, Infocamere, Italian Cultural Institute, Italian Trade Agency, Pago PA

MAIN & STRATEGIC CLIENTS

GOVERNMENT

GOVERNMENT

Ecosystems

- Agriculture
- European and national funds
- Taxes and public finance
- Work and Professional Training

Enabling Platforms

- Electronic Identity Card
- Electronic Invoicing
- Electronic payment system for public administration
- Interoperability with API standards
- Public Digital Identity System

Functional Issues

- Content knowledge management
- Digital transformation of administrative processes
- Document management and protocol
- Personnel management systems
- Risk and compliance
- Sustainablity Analysis

Technologies

- Cybersecurity
- DevOps
- DWH / BI / Advanced Analytics
- Embedded Systems
- Life Cycle Assesment
- Infrastructures
- Networking
- Open Sources / Open Data
- Robotic Process Automation

May 2024

HEALTH AND LIFE SCIENCES

Covered industries:
Biotechnology, Med-Tech, Healthcare, Pharma

HEALTH AND LIFE SCIENCES

Biotechnology
AstraZeneca, Genscript

Med-Tech
Arrow Diagnostics, Becton Dickinson and Company, Esaote, Medtronic, DPS Group, Resilience

Healthcare
A.O.U. Città della Salute e della Scienza di Torino, A.S.L. Alessandria, A.S.L. Novara, SSMHealth, IEO - Istituto Europeo di Oncologia, Istituto di Candiolo - IRCCS, A.O.U. San Luigi Gonzaga

Pharma
Abbott, Angelini Pharma, Merck

Policy Maker
Italian Ministry of Universities and Research, Italian Ministry of Health, Regione Piemonte (Italy), Reg. Valle D'Aosta

MAIN & STRATEGIC CLIENTS

Abbott, ARROW Diagnostics, AstraZeneca, BD, Città della Salute e della Scienza di Torino, esaote, GenScript, IEO Istituto Europeo di Oncologia, Medtronic, MERCK, S. Luigi Gonzaga, SSM Health

HEALTH AND LIFE SCIENCES

Biotechnology

- Artificial Intelligence applied to cancer subtyping, DFS prediction, risk modeling

- Bioinformatics (pipelines, downstream analysis)

- Data engineering for multiomic data

- Explainable AI: patent for XAI-based CDSS

- Project Management

- Warehouse automation

Med-Tech

- Cyber defence, threat intelligence, malware analysis, machine learning

- Embedded SW, FW and HW Design

- SW engineering

Healthcare

- HC IT Protocols (DICOM, HL7/FHIR)

- I-SOC, Intelligent Cybersecurity Operation Center

- Operational optimizations

- Project Management

- System integration

Pharma

- Identification of biomarkers

- Modelling, algorithms and simulation

- Process engineering

- Warehouse automation

HEALTH AND LIFE SCIENCES

May 2024

INDUSTRIAL GOODS & COMMUNICATION

Covered industries:
Chemical, ICT & Other, Telco, Automation & Industrial

IG&CO

Chemical
Alfa Laval, Bazzica Group, GCP Applied Tech., Nippon Gases Italy, Sangraf Italy

ICT & Other
Firlab, IBM, Leonardo, Microsoft, Optimia, Sistemi, Telecontrol

Telco
ADB, Fastweb, Prysmian, RealMe, Skylogic, Vocus

Automation & Industrial
Aitek SPA, Argomm, ARMS Srl, Automation TECH, Blubrake, Burgo Group, Candy, Cartiera Pirinoli, Cartiere Ermolli, Ceisec, Ceisis, Comau, Cristiano Torre Srl, CTA, Daikin, Due Pi Automation Services, East Penn Manufacturing, Fedrigoni, Flexlink, Hair, I.M.A., Lincotek Group, Modula, Mosaico, Robopac, RDM Group, Relife Paper Mill, SAEL, Siemens, Swagelok, System Logistics, Tau Logic, Technogi, Urmet, Valmex, Visy, Weart

MAIN & STRATEGIC CLIENTS

INDUSTRIAL GOODS & COMMUNICATION

IG&CO

Chemical

- Application Management System
- CAD Design
- Innovative hydrogen storage technologies
- Maintenance contracts Management
- Process Management
- Project Management
- Sustainability Analysis

ICT & Other

- Application Security
- Cybersecurity
- Data protection
- Functional analysis
- Low-code application platforms
- Network Security
- Project Management
- Security architecture
- Technical support
- Transition & Transformation Management

Telco

- Architectures & Networking
- Data Analytics
- Microservices-Based Solutions
- Project Planning (Cable Maintenance Solution)
- Risk Management
- Salesforce Development

Automation & Industrial

- Baggage handling system
- CAD Design
- Electrical Design (Automation/Packaging)
- Industrial BI
- Logistic Support
- Low-code application platforms
- MES-MOM Development & Implementation
- Predictive Maintenance
- Process Optimization
- Robotics Software Development
- Test Automation
- Smart Control
- Sustainability Analysis

TRANSPORTATION

Covered industries:
Automotive, Rail, Land Infrastructures, Logistics, Travel and Mobility Solutions, National Agencies & Authorities

TRANSPORTATION

Automotive
Bitron, CNH Industrial, East Penn, Ferrari, Iveco, Marelli, Maserati, Piaggio, SKF, Stellantis, Suzuki, Tierra

Rail
Alstom Ferroviaria, Italferr, Haslerrail, Hitachi Rail, Lucchini RS, Mermec, ProgressRail, Thales Rail

Logistics, Travel & Mobility
Arcese Trasporti, Kuecker Logistics, RCS

Infrastructures - Land
Maine Turnpike Authority, Sinelec

Agencies, Authorities & Certifying Bodies
ANFIA Service, Bureau Veritas, Italian Ministry of Infrastructures and Transport

MAIN & STRATEGIC CLIENTS

ALSTOM · mobility by nature ·

CNH INDUSTRIAL

EastPenn

Hitachi Rail

IVECO

MAINE TURNPIKE

MARELLI

mermecste AN ANGEL COMPANY

PIAGGIO

Progress Rail A Caterpillar Company

STELLANTIS

SUZUKI

aizoOn AUSTRALIA EUROPE USA TECHNOLOGY & CONSULTING

TRANSPORTATION

Automotive

- Advanced Data Science Applications to vehicles telematic data and to Customer Journey
- Connected Services Design
- Data Management & Business Analytics
- Dealer Management Systems development
- Functional Safety & FMEA
- ICT e OT Cybersecurity
- ICT Project Management
- ICT War Room Management
- I-SOC, Intelligent Cybersecurity Operation Center
- Mobile Device Management
- Product development management
- Product Cybersecurity
- Risk analysis and management
- Support to compliance
- System Engineering
- Sustainability Analysis
- TLC Networking Design
- Warehouse automation

Rail

- Basic design
- Certification and Validation
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- Integration on Onboard System ETCS
- Mechanical Design
- Network security
- Project Planning, Planning of Product Development and of Workload
- Product Cybersecurity and hardening
- SIL-4 Development for Signalling Systems
- SCMT – ERTMS Design and Verification
- Software development for Onboard Systems and Trackside Systems
- Sustainability Analysis
- V&V

Infrastructures - Land

- Data Driven Risk Management
- Intelligent Transport Systems Applications
- Infrastructures Monitoring
- I-SOC, Intelligent Cybersecurity Operation Center
- Incident handling, Digital forensic, Threat intelligence, Malware analysis
- Network security
- Road Management Applications
- Sustainability Analysis

Logistics & Mobility

- Logistics applications development
- Network security
- Operations Management
- Process Optimization
- Sustainability Analysis
- Warehouse automation

TRANSPORTATION

ORGANIZATION / **TECHNOLOGY DIVISIONS**

2 Technological Divisions cover **the entire spectrum** of **digital data** acquisition and transformation, **security**, and strategic/operative **risk** management.

The **Cyber Security** division works to increase the resilience of organizations against cyber threats that undermine the digital ecosystem.

With proprietary Cybersecurity solutions, tailored to specific business needs, we defend our customers from cyber attacks with proactive approaches focused and specific to market areas.

With continuous technological innovation, we foster the conditions necessary to help business thrive in the digital economy.

DigEI

Cyber security
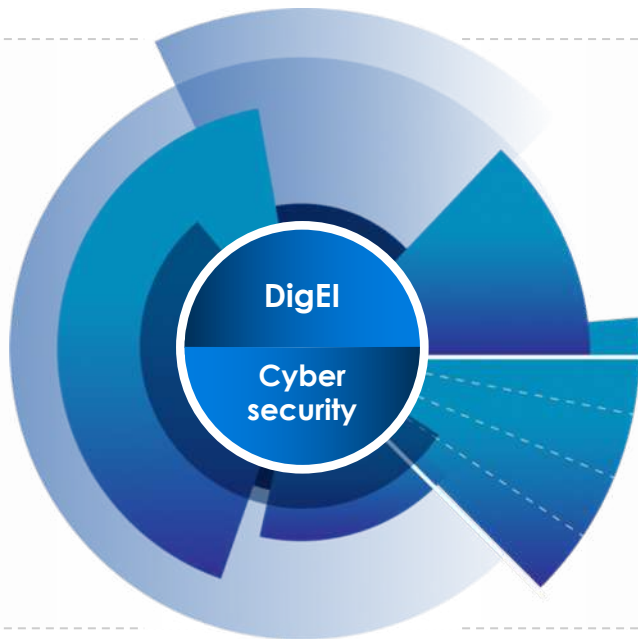
The technology division **DigEI | Digital Engineering and Innovation** is a reference player in the creation of value through the transformation of data into knowledge and actionability.

Thanks to specific delivery methods, it is able to cover the entire development cycle of unconventional solutions and is a strategic partner in the path of digital innovation.

It enhances digital methods and technologies in an integrated and synergistic way in response to real business needs and as a lever of competitive advantage.

TECHNOLOGY DIVISIONS / **DigEI**

OUR APPROACH

We see **digital innovation** as a constitutive - persistent - pervasive element through a **bimodal** approach (continuous exploration in parallel with predictability of business as usual) and base it on 4 pillars:

- Create value through a data-driven approach

- Adopt a development process at several different TRLs

- Leverage an ecosystem approach

- Reaffirm the centrality of the business in its entirety

DigEI develops advanced data driven solutions, covering the entire digital data transformation chain, with a specific focus on Data Science excellence.

DigEI is a strategic partner for the digital transformation of our Clients on the various readiness levels (R&D, Proof of Concept and Prototypes, Integrated Solutions).

PROCESS ENGINEERING

SOFTWARE ENGINEERING

DATA INTELLIGENCE

SUSTAINABILITY MODELLING

DigEI

DATA SCIENCE

INNOVATION

IOT ECOSYSTEMS

DigEl / **DATA TO ACTION – OUR FOUNDATIONS**

"If you can not measure it, you can not improve it" (Kelvin)
"Science is built up of facts, as a house is with stones. But a collection of facts is no more a science than a heap of stones is a house." (Poincaré)
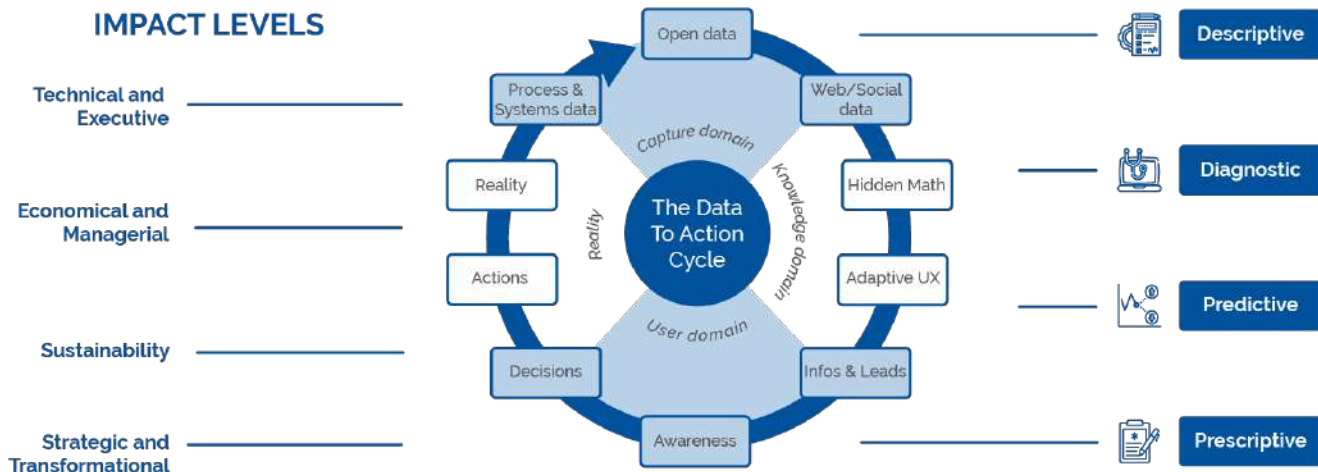
Our activities cross the different company dimensions and put them in relation with one another, data are the *reactants* and our methods and solutions are the *catalysts* of knowledge and of ability to act.

TECHNOLOGY DIVISIONS / **CYBERSECURITY**

The **Cyber Security** Technology Division, in line with aizoOn's activity levels, operates in four macro-areas.

OFFENSIVE
- Vulnerability Assesment & Penetration Testing (*web, mobile, IT infrastructures, IOT embedded, industrial systems)*
- Threat Intelligence & Analysis
- OSINT Risk Exposure
- Phising simulation, training awareness

CYBER DEFENSE & INTELLIGENCE CENTER
- 24/7 ISOC & CSIRT
- Incident Handling & Digital Forensic
- Incident Response
- Threat Hunting & Threat Intelligence
- Malware Lab Analysis

GRC, RISK AND COMPLIANCE
- Security Audit
- Security Governance
- Risk Analysis & Compliance
- Cybersecurity Roadmap
- BIA & BCP
- Policies

NETWORK & INFRASTRUCTURE
- Network Security
- Critical Infrastructure Security
- Cloud Security
- Security by Design

GRC:
RISK &
COMPLIANCE

OFFENSIVE

Cyber
Security

CYBER DEFENSE
&
INTELLIGENCE
CENTER

NETWORK &
INFRASTRUCTURE
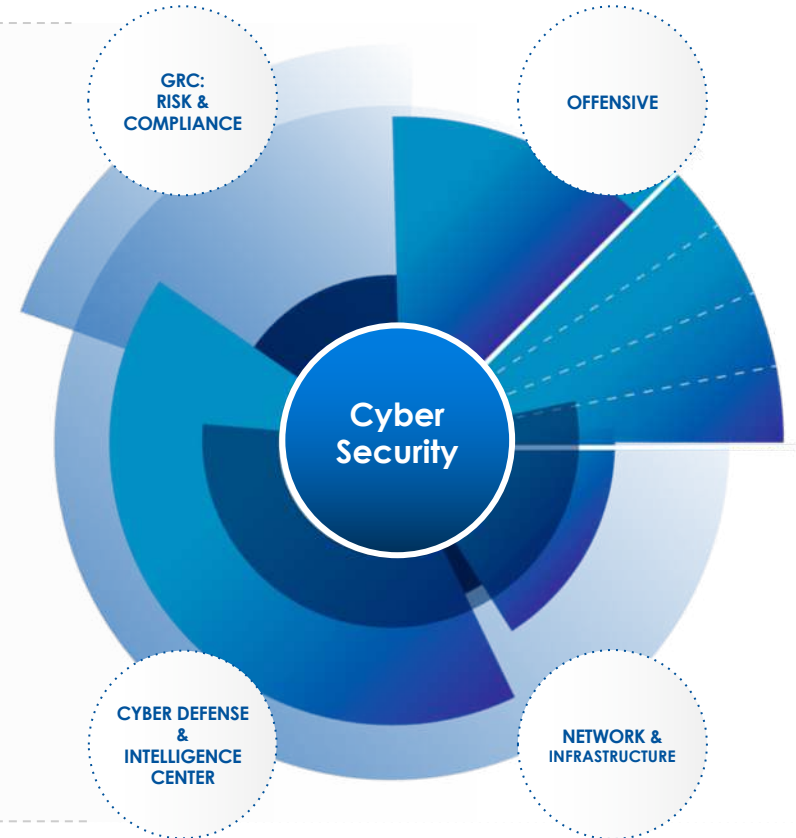
Cybersecurity | **PLATFORMS & PRODUCTS**

ARAMIS

A cognitive approach to the problem. The aramis platform combines **specific machine learning and data mining technologies, threat intelligence capabilities and advanced analysis algorithms** to help organizations to identify even unknown threats within their perimeter, facilitating human analysis.

ESRA

Enhanced Security Risk Analytics
ESRA implements and automates the **Security Risk Assessment process** linked to information security**.** It guides the analyst by organizing the data for the purposes of risk assessments, allowing the analysis effort to be limited to strictly relevant data and maintaining an overall observation point of the detected dynamics.

COSMO

Compliance Sytem Monitoring
CoSMo is a software with the purpose of **managing company audits and compliance.** Furthermore, it manages company documents such as policies, standards and guidelines. Through Workflows it guarantees periodic assesments and automation and centralization of all IT governance processes. It can be installed on premise or provided in Software as a Service.

MITHRIL WAAP

Mithril Waap is aizoOn's **Web Application and API Protection** solution capable of **filtering**, **recording** and **blocking** HTTP / HTTPS traffic directed to a website or a web application.
It can be easily managed directly by the customer or by our ISOC team.

CYBER RANGE

A virtual environment in which it is possible to **simulate different "theaters" where attack and defense scenarios alternate involving several teams.** It enables to recreate the typical components of real environments, such as industrial companies, service firms, energy production plants or military installations.

MuLTIVERSE

*Multi-source Threat Intelligence - Vulnerabilities And Events Recognition Supervision Environment*
A platform designed to **fill the gap between IT and OT Cybersecurity management**, on the basis o 4 main pillars: convergence of IT and OT cyber risk management, ingestion of Cyber Threat intelligence sources, analytics monitoring and machine learning, gathering of inputs from third-party security solutions.

PARTNERS, METHODOLOGIES, CERTIFICATIONS

TECHNOLOGY PARTNERS
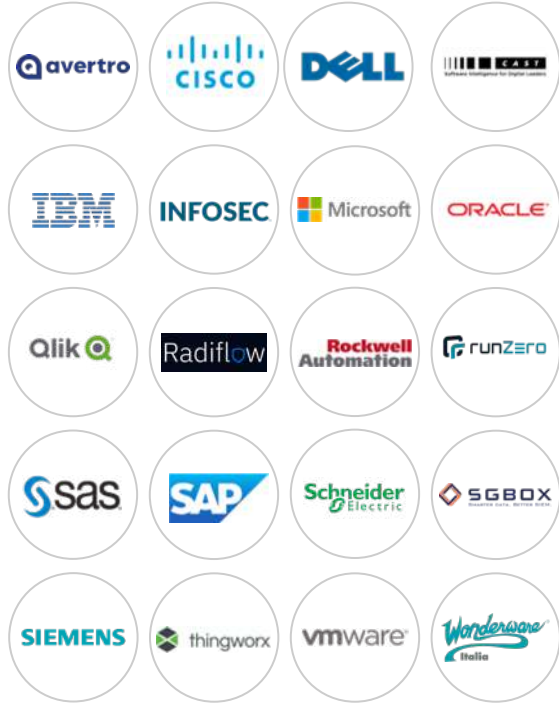
METHODOLOGIES & GUIDELINES
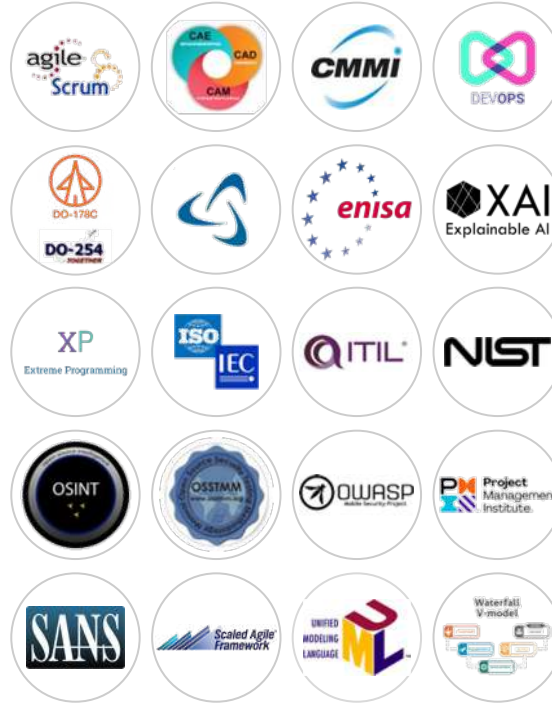
CERTIFICATIONS

UNIVERSITY & RESEARCH

aizoOn's focus on innovation and technological development is strengthened by the collaboration with universities and research institutes in several parts of the world.

aizoOn is developing a network of relations and collaborations with universities dedicated to talents: workshops, meetings and projects are moments designed to help talents develop their full potential.

May 2024

PUBLIC-PRIVATE PARTNERSHIPS
COMPETENCE CENTERS, FOUNDATIONS

We are promoters and supporters of new ways of collaborating, where the generation of knowledge and innovation crosses and redraws the traditional perimeters.

Fondazioni

Competence Center

Intelligent Factory Cluster

ABI Lab Consortium

ICT Innovation Cluster

Smart Communities Tech
Italian Technology Cluster for Smart Communities

European Cyber Security Organization

CLUSIT
Italian Society for IT Security

Australian Cyber Collaboration Centre

SOSLOGISTICA
Sustainable Logistic Association

Society of Manufacturing Engineers

Manufacturers Association of Maine

Polo Agrifood Piemonte

AISA
Australian Information Security Association

OUR MAIN GLOBAL CUSTOMERS

AEROSPACE DEFENSE & NAVAL
ACC · AIRBUS · ASI · AVIO · elt · esa · FINCANTIERI · LEONARDO · Lockheed Martin · MINISTERO DELLA DIFESA · MTC Technology · · ThalesAlenia Space

CONSUMER GOODS & SERVICES
amazon · Barilla · Carrefour · Cartier · coop · FERRERO · illy · inalpi · iperal · LEROY MERLIN · RICHEMONT · Strandbags · UNFI

ENERGY
ABB · aps · axpo · beach · Butler · CVA · Duferco Energia · EDISON · enel · Hitachi Energy · iren · SA · Terna

FINANCE
Ania · Assimoco · Banca Sella · BPER Banca · CARGEAS · GRUPPO BCC · equensWorldline · HYPE · · IVASS · MEDIOCREDITO CENTRALE · nexi · S2C

GOVERNMENT
enisa · IC · ITA · MEF · MINISTERO DELL'INTERNO · · REGIONE BASILICATA · · ARIA · RegioneLombardia · REGIONE PIEMONTE · · Unione Europea

HEALTH & LIFE SCIENCE
Abbott · ARROW · AstraZeneca · BD · esaote · GenScript · IEO · Medtronic · MERCK · Ministero della Salute · MUR · REGIONE PIEMONTE · SSM Health

INDUSTRIAL GOODS & COMMUNICATION
· COMAU · IMA · FASTWEB · Lincotek · Microsoft · MODULA · NIPPON GASES · Prysmian Group · ROBOPAC · SIEMENS · Skylogic · VISY

TRANSPORTATION
ALSTOM · CNH INDUSTRIAL · EASTPENN · Hitachi Rail · IVECO · Kuecker · MAINE TURNPIKE · MARELLI · mermecstec · PIAGGIO · STELLANTIS · SUZUKI · tompkins

CASE HISTORY **/ ECOSYSTEM PROGRAMS**

DIGITAL FOOD

FDM | Food Digital Monitoring

R&D PON-FESR funded project (8M€) led by aizoOn, involving Universities and 5 Food Companies.
An Industry 4.0 inspired digital platform aimed at improving product safety and quality, process quality and origin guarantee. Advanced sensors for composition control & contaminants identification Simulation and predictive process models for adaptive real time feedbacks and active control of the process
Raw materials and water-energy resources minimization.

| AI | Food Quality | Industrial IOT |
| Shelf-life Prediction | Food Safety | |

DIGITAL HEALTH

DEFLeCT

Digital t**E**chnology **F**or **L**ung **C**ancer **T**reatment is an R&D funded project (9 M€) with POR-FESR contribution led by aizoOn, involving 19 partners. Main areas of research are precision and predictive medicine. Developed an integrated digital platform where AI algorithms advanced Non-Small-Cell Lung Cancer (NSCLC) subtyping and risk prediction using NGS data collected from 300 patients and Open Data. Worked on new diagnostic technologies: organs-on-chip, labs-on-chip and 3D models for the testing of treatments.

| Personalized medicine | Oncology |
| Genomics | AI |

SMART COMMUNITIES

SETA

HORIZON 2020 R&D Project (11M€), led by Sheffield University, involving 24 partners. Citizens, private companies and public entities have been actively involved through the Living Labs approach. Main improvements refer to: hybrid traffic management solutions: network-based models integrated with data driven models, multi-objective routing optimization engines, AI based image recognition for traffic tracking and people counting. traffic based urban areas pollution estimate models.

| Smart Cities | Internet of Humans | Living Labs |
| AI | | |

CASE HISTORY / **ECOSYSTEM PROGRAMS**

DIGITAL HEALTH

D^3-4-HEALTH

Digital Driven Diagnosticts, Prognostics and Theraupetics is a PNRR R&D Project that will transform and advance current methodologies for the diagnosis, monitoring and therapy of 5 reference diseases (Metastatic colon, liver + bile duct, Central Nervous System cancers, type I Diabetes, Multiple Sclerosis), facilitating the application of precision medicine approaches by developing digital and biological twins, for the benefit of citizens and patients. D^3-4-HEALTH will escalate and deploy innovative and non-invasive technologies and solutions, based on the analysis of digital and digitalized healthcare data.

| Personalized medicine | AI | Digital Twins |
| Oncology | Neurodegenerative disorders | |

ENVIRONMENT

High Efficiency Hydrogen Storage

HEHS | High Efficiency Hydrogen Storage is a PNRR Project (4M€), led by aizoOn, involving 2 partners (University of Perugia and Nippon Gases). The aim of project is technical validation and industrial exploitation of a new technology for hydrogen storage and transportation. The proposed storage technique is remarkably less energy intensive and storage pressures much lower (if compared with current alternatives). aizoOn will develop data driven AI models for representing the underlying overall process (load, storage, decay, release) and for supporting the industrial implementation.

| Hydrogen | Energy efficiency |
| AI | Security |

SPACE4HUMANS

Demetra

Demonstrator of EGNSS Services based on Time Reference Architecture is an EU Horizon 2020 project, coordinated by the National Institute of Metrological Research (INRiM). The project aimed at identifying and developing innovative applications of the European satellite navigation system Galileo. Accurate timing services have been designed for different types of users (telecommunication networks, banks, TV broadcasting networks, energy distribution networks…). A demonstrator for the dissemination of 9 new time services has been created, compliant with the architecture of European satellite navigation systems.

| EU Galileo Satellites | Time Services |
| ESA SW Standards | Ground Facilites |

CASE HISTORY **/ SOLUTIONS**

AGRIFOOD

DFE | Digital Food Ecosystem

The DFE solution **is an alliance with universities, research facilities and technology partner entrepreneurships aimed at the agri-food sector**. Its final purpose is about giving to each agri-food production chain the availability of a specific and distinctive digital innovation capacity, complete with approaches, methods, instruments, and technologies. Each project enables one or more benefits in terms of quality, process efficiency, food safety, brand reputation, competitiveness.

| Industry 4.0 | Ecosystem | Sustainability |

| Data Driven |

DIGITAL HEALTH

aizoOn Data Lake Architecture

A research/PoC-oriented Modern Data Lake architecture. Scalable from small R&D projects to complete production solutions. Offers complete data engineering support (ingestion, exploration, AI development and staging). Supports secure 2FA-enabled authentication, self-documenting data dictionaries, heterogeneous databases (SQL, noSQL, filesystem…), collaboration and tracking of Python and R Data Science experiments, versioning and staging of AI models.

| Modern Data Lake | Data Science |

DATA SCIENCE

Explainability

Proprietary solutions for the development of prescription-oriented explainers. **An explainer is a second AI, trained to provide an explanation of an AI's predictions, and possibly provide an indication of actions that can change it. While an AI can answer the question »What will happen?" an explainer can answer the questions "Why is this going to happen?"** and "How can I change what is going to happen?"

| xAI | Actionability |

CASE HISTORY / **PRODUCTS AND PLATFORMS**

WAF &WAAP

Mithril | Leroy Merlin_ADEO Group

The French retail giant Leroy Merlin has chosen **Mithril to protect its portals, WebApps, and APIs from cyber attacks.** Mithril provides advanced protection against major types of attacks, including SQL injection, RCE (Remote Comand Executions), Cross-site scripting, and DoS/DDoS. With Mithril, Leroy Merlin was able to spot and block thousands of attacks before they could cause further damage. Additionally, Mithril also provided the company with detailed reports and information on how to prevent future attacks.

Cybersecurity	Web Application Firewall
API Security	SQL Injection	Data protection

NETWORK MONITORING

Aramis |Maine Turnpike Authority

In today's rapidly evolving threat landscape, it is essential to have a comprehensive view of your networks and systems. Aramis, a network monitoring and detection platform, allowed MTA to accurately monitor its network by using a machine learning engine and deterministic rules. **This enabled the organization to identify unknown threats within its perimeter, while also providing a comprehensible dashboard for human analysis.**
Aramis was also able to reduce the number of false positives, which are alerts that are triggered by normal network activity but are not actually threats. This helped the security team to focus on the most critical threats and respond quickly.

Cybersecurity	Perimeter security
Threat detection	ML	Deterministic rules

AUTOMATED RISK ASSESSMENT

Esra | Prism Australia

With ESRA, Prism was able to analyze all of its network traffic in real-time and automate the risk assessment process. The product's algorithms were able to detect patterns and anomalies in the network traffic. One of the key features of ESRA was its ability to correlate risks analysis with the specific asset that were responsible for them. This allowed the security team to quickly identify the source of the threat and take appropriate action to mitigate it. In addition, ESRA also provided the company with detailed reports on the risks and vulnerabilities in its network and processes. This helped the security team to prioritize and address the most critical risks.

Cybersecurity	Risk analysis	Network monitoring
Real Time	Risk mitigation	Vulnerabilities

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CASE HISTORY / CONSULTANCY SERVICES & TURN-KEY PROJECTS

INDUSTRIAL SOLUTIONS

MES/MOM System Integration

The goals of these projects were to **improve, automate and monitor the production process and the materials used, while collecting statistical data, checking quality and scheduling process optimization.** The approach was to project activities and AMS for: Configuration and Customization of a third-party MES System, Integration with machines for real time process data collection, Interface with ERP (SAP/Navision/…). Historical data collection and analysis (OEE and other KPI)

Automation	MES/MOM	Process optimization
Monitoring	Data collection and analysis	
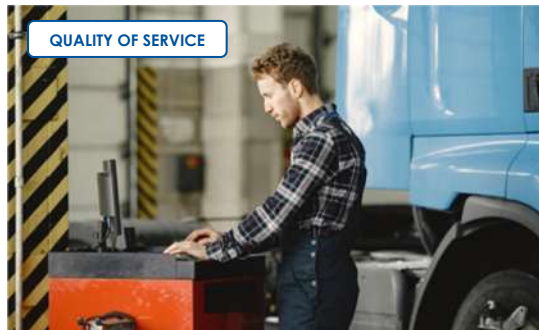
QUALITY OF SERVICE

Data Driven Control Room

The activity aims at developing **Advanced Data Driven Solutions in the context of the Control Room Service provided by a multinational industrial vehicle maker.** New value-added services to the customers (single drivers and fleet managers) and support to Quality and Product continuous improvement are the main goals achieved. The overall big data journey is managed: data capture, data architecture, data management and transformation by means of a wide portfolio of numerical methods and algorithms including Machine Learning and Deep Learning.

Industrial Vehicles	Control Room	
Continuous Improvement	AI	Big Data

RENEWABLE ENERGY FORECAST

Energy Production Forecast

The goal of the project **is to forecast the energy production from renewable power sources (solar, wind, etc.) connected to medium and low power grids.** The solution estimates the production 15 minutes ahead for hundreds of thousand production sites all over Italy. A modular Machine Learning architecture based on Time Histories data has been integrated into an end to end web platform for data flow management, data monitoring, forecast computation, error minimization and User Interaction.
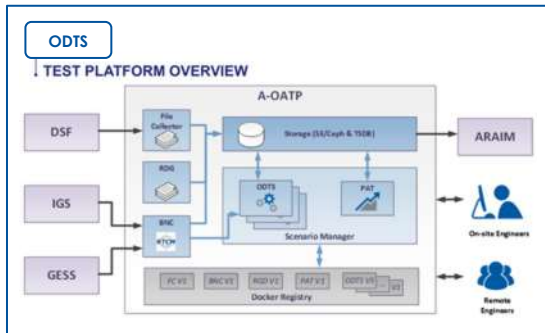
Energy Production	Renewables
Shor Term Forecast	Machine Learning

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CASE HISTORY / **CONSULTANCY SERVICES & TURN-KEY PROJECTS**

ODTS

A-OATP

Turn-key project. Design, development, test and validation of a performance analysis tools (PAT) within A-OATP platform. **A-OATP is a SW Platform for the experimentation of advanced algorithms for Orbit Determination and Time Syncronization (ODTS). Standard: Galileo SW Standard for Ground Segment (GSWS-G).** Main technologies: Python, InfluxDb, Grafana, Docker, Matlab.

GNSS   Algorithm Optimization

GOVERNMENT

Regional Agricultures Information Systems

Management of the Single Registry of Piedmont of Agricultural and Agri-food Companies aimed at managing all administrative procedures in the context of requests for public contributions, loans, authorizations, concessions, etc. The goals were **the acquisition of all the information necessary for the administrative process, to check, verify and certify the acquired data and to facilitate companies in compiling data by speeding up the administrative process.**

Agriculture   European funds

Monitoring   Digital Administrative Workflow

COMPARATOR ANALISYS & DESIGN

PREVENTIVASS

PREVENTIVASS is the **institutional comparator** for the Car Liability rates of all Italian insurance companies. Compared to commercial comparators, the public estimator does not play any role of intermediation between consumers and insurance companies. The estimates generated with PREVENTIVASS have legal validity and the Companies are required to sign the policy that complies with the estimate itself.

Car Liability   IVASS   Public Comparator

CASE HISTORY **/ CONSULTANCY SERVICES & TURN-KEY PROJECTS**

GSS Signalling

V&V Signalling Systems

SEPA

Ground SubSystem: Design, Verification, Integration

Turnkey projects. In about **15 years of experience, we have followed the Design, Verification and Integration (ground/onboard) of many projects for all phases of the Ground Subsystem for various plants in Italy and abroad.**
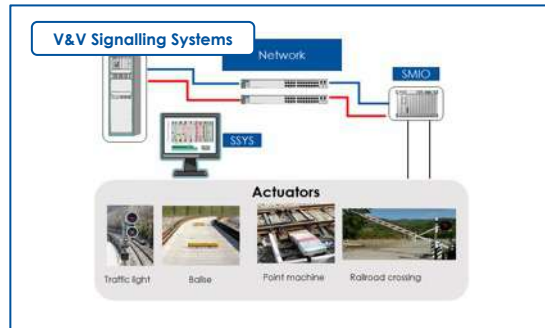A non-exhaustive list: Turin-Padua line - Rome Tiburtina station - Milan Central station - Algerian line - Turkish line - Greek line - PILOT Lambrate-Treviglio line - Domodossola-Novara experimental line - Vicenza-Villa Opicina experimental line and more. IS, SCMT, ERTMS.

SCMT   ERTSM,L1,L2   Basic Design

Board-Ground Integration Test

Verification and validation-railway systems

The main context is the **railway signalling system. The goal of the V&V specific activities are the following: the baseline release for a system used for the Italian regional networks management;** the baseline release for audio frequency track circuits management for AV system; validation of the encrypted communication protocol PVS (Protocol Vital Standards); release of the Support System for the remote stations diagnostic management with external attacks protection (Cybersecurity).The activities involve: requirements analysis, tests definition, test environment setup, tests execution, anomaly detection and final report.

ACCM   ERTSM,L1,L2   Verification and Validation

Instant Payments

In 2017, the European Payments Council (EPC) launched the new SEPA (Single Euro Payments Area) SCT Inst scheme, which defined the pan-european rules for the exchange of instant payments. **The project implemented the integration of various front-end, API and backend components needed to allow bank customers to transfer funds from their own account to the Beneficiary account within a maximum time of 20 seconds through a service available 24/7/365**. In 2022, on its fifth anniversary, the system reached 85% of bank customers in Europe.

Payments Innovation   Open Banking

CASE HISTORY **/ CONSULTANCY SERVICES & TURN-KEY PROJECTS**

Warehouse Automation

Fresh food distributor |Unfi

With 20 large distribution centers and turnover exceeding $18bln/year, UNFI | United Natural Foods, Inc. receives perishable fresh food from over 25,000 companies across the US and distributes it to the Wholefood retail chain. **Quality of service, speed and efficiency are paramount, leading to 10.000 order lines being processed every single hour.**
aizoOn has supported UNFI throughout its growth over the years, demonstrating **performances in line with the best Amazon fulfillment centers** (Amazon now owns Wholefoods)

| Distribution Center | Supply Chain | Robotics |

Warehouse Automation

Diabetes medicine production | Astrazeneca

Astrazeneca's Ohio plant has long been the center of excellence to produce and distribute medicines to fight diabetes, all across the world. **This plant respects and exceeds the most stringent pharmaceutical standards**, and each step of the manufacturing and distribution process is monitored constantly for top notch performance.
aizoOn has supported Astrazeneca throughout its growth over the years, **improving supply chain performances** even in the presence of ever more stringent industry regulation and compliance checks.

| Picking | Shipping | Inventory |

Warehouse Automation

Arizona nuclear powerplant |APS

Arizona Public Services is the vital nuclear plant feeding the grid of Arizona, perfect example **of eco-system where nuclear generated electricity supplies batteries which are also fed by solar during the day, thus ensuring the most resilient performance as well as optimal usage of renewable energy.**

aizoOn has supported APS over the years, ensuring **precise and safest performance** to manage maintenance, repair and operation parts required by this large nuclear plant.

| Productivity | Software Engineering | Field Engineering |

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aizoon® TECHNOLOGY & CONSULTING

AUSTRALIA
EUROPE
USA

AUSTRALIA

Sydney NSW | Adelaide SA

EUROPE

Aosta ITA | Bari ITA | Bologna ITA | Catania ITA
Cuneo ITA | Genova ITA | Milano ITA
Roma ITA | Terni ITA | Torino ITA
Sheffield UK | Zurich CH

USA

New York NY | Cambridge MA

aizoongroup.com

aizoon.com.au

aizoon.us

aizoon@aizoongroup.com

aizoon Technology Consulting

@aizoongroup