

2024



SC4 TECHNOLOGY

SMART SURVEILLANCE

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SC4TECHNOLOGY
Experience is knowledge



About Us



Giancarlo Mancinelli

CEO Founder



SC4 Technology is a leading European supplier of professional engineering and design services for end-to-end telecommunication infrastructure solutions for mission-critical networks. The company offers tailor-made projects for the industrial and business segments.

SC4 Technology focuses on delivering and designing projects that ensure the reliable, secure, and efficient transmission of voice, data, and video information in a sustainable manner.

The core service portfolio includes assessments, high- and low-level design, installation, and commissioning across various technologies, including **GSM-R Railways, BMS SCADA telecontrol solutions, 4G/5G public and private network solutions, and IoT solutions** with a focus on data processing.



About Us

How does SC4T position itself in the market?

SC4T model is based on

- **Expertise:** None of us is a junior.
- **Diversity:** We have different backgrounds, skills, and interests.
- **Common Approach:** We focus on delivering value to our customers.
- **Flexibility:** We maximize coverage of all opportunities.
- **Organization:** We are structured around a small core team of consultants (SC4 Technology), supported by professionals qualified by us and engaged for specific projects.





SC4T Team

Contracting Service Engineers splitting
in several dedicated Team



Cabling

Fiber Optical & Structured Cabling
design



Networking TLC

Active Equipments , Data Center OCC
Industrial Network



5G & WAN Telco Mobile

Service Provider & 5G Private Networks
Design



Railways

Transportation GSM-R -
ERTMS,



SMART SURVEILLANCE (Forensic Identification & CBRN Security)

Special Environments

CBRN, Smart Video Surveillance, Access Control,
Fire, Water, Scada, BMS, Lighting



Electrical

Schematic & Drawings for Low &
Medium Power



Audio Announcemen^t

Acoustic & Sound

Environment impact Acoustic Team to control
sound diffraction etc



Health Care & Medical Innovation Applications

Innovation Use Cases for Hospital, Patients,
Medical Data Management Applications



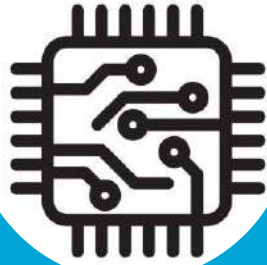
SC4T Team2

Contracting Service Engineers splitting
in several dedicated Team



ICT Delivery

Cabling-Networks-Data Center-IOT installation &
Configuration & Commissioning



IOT & Automation

Sensors & IOT Gateway for several market
design and project



CAD/BIM

CAD/CAM & BIM 3D

Engineers Team for drawing in 2D &
3D



Services Model

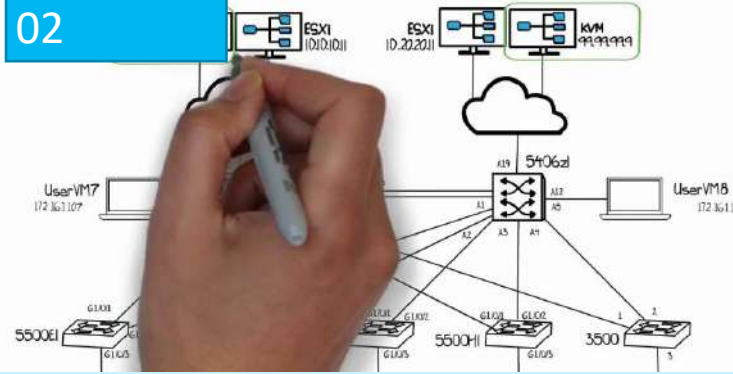
End-to-end solutions for mission-critical networks including system integration

01



AUDIT - ASSESSMENT & DOCUMENTATION

02



FEASIBLE STUDY & HIGH LEVEL & LOW LEVEL DESIGN WITH AS-BUILT

03



MIGRATION & PROJECT PLAN WITH RFQ/RFI BID TENDER EXECUTION

04



IP & VLAN & VRF & L3 ROUTING ADDRESSING PLAN + CONFIGURATION L2/L3/L7

05



INSTALLATION & COMMISSIONING SERVICES

06



RUN OPERATING SERVICES



2024 Management Team

SC4T is managed by an Inner Corporation Team that managing Financial, Sales Business development and Engineering Services contracts



Giancarlo Mancinelli
CEO

With 40+ years of Technical & marketing experiences done a lot of ICT multinational companies, Giancarlo managing SC4T development in all regions.



Paola Rossini
CFO

30+ years of Finance Manager in Industry companies, Paola works on Bank, Finance, Profit & Loss control of company.



Fabio Bruschi
Real Estate Market
Director

Business Sales Manager with long experience in multinational company he managed Real Estate business across the regions.



Giorgio Tosi
CTO

Long skilled technical experience in TLC form Cisco Systems, He managed all Tech environments across the regions.



Leonardo Grosso
Business Development
Manager & Project Network
Engineer

Long Sales Business Development experience, with a technical track in Cisco in the past.



Daniela Mannina
Sr. Acoustic Team Director

Long skilled Audio and acoustic Technical System Engineer and Business Manager for Acoustic Team. Her Team follows all Audio and Acoustic projects in all markets.



Alessio Ricci
VP Business Development,
Head of Network Services and
Solutions

Long skilled Telco & 4G/5G Radio Mobile technical Sales & BDM experience in Service Provider Market. He works in Rome and following Government and partners in Rome.



Paolo Bottura
VP Growth Strategy

Long Business Management international strategy experience, with past Cisco business manager.



SC4T Brand Portfolio

From networking to Data center, from IOT Gateway & Edge to 4G/5G & GSM-R Radio mobile, from VideoSurveillance to Scada & BMS, from Structured cabling to Optical fiber networks, from professional audio to access control and fire & flame.

NETWORKING



- CISCO
- NOKIA
- Hewlett Packard Enterprise
- ADVANTECH
- Rockwell Automation
- MOXA

CABLING & OTN



- ETK Kable
- LEVITON
- R&M
- ribbon communications
- ADVA Optical Networking
- Infinera

SECURITY



- FORTINET
- paloalto NETWORKS
- f5
- Check Point SOFTWARE TECHNOLOGIES LTD
- AIG

IOT



- SICK Sensor Intelligence.
- HMS
- libelium
- SIERRA WIRELESS
- PHENIX CONTACT
- Hitachi Energy
- TELTONIKA Networks
- SIEMENS

SPECIAL ENVIRONMENT



- AXIS COMMUNICATIONS
- AI Tech
- milestone
- Quick Link SOLUTIONS
- molex CoreSync
- tyco Integrated Fire & Security
- K-ARRAY Unique Audio Systems
- niagara4
- Helvar

CLOUD



- Microsoft Azure
- amazon web services
- vmware
- Red Hat



SC4T

SMART SURVEILLANCE

Forensic Identification

CBRN Security



SC4TECHNOLOGY
Experience is knowledge



At the Forefront of Safety

SMART SURVEILLANCE

Forensic Identification & CBRN



The CBRN (Chemical, Biological, Radiological, and Nuclear) discipline focuses on prevention, protection, response, and mitigation against threats and incidents involving chemical, biological, radiological, and nuclear agents. It is a fundamental area for public safety, the protection of critical infrastructure, defense, and civil protection.

In **video surveillance systems**, we are pioneers in image analysis, both for personal identification and for analysing situations and environments. Identifying a person based on filmed characteristics requires an interdisciplinary approach that combines engineering and forensic medicine. This approach considers not only design elements but also physiognomic aspects, a key prerogative of forensic medicine.

What We Do:

- **End-to-End (E2E) Consulting and Design** for sensors detecting CBRN contamination
- **E2E Consulting and Design** for advanced video surveillance systems
- **E2E Design** of telecommunications and data center systems

Our interdisciplinary expertise allows us to apply forensic and CBRN approaches across various use cases, including:

- Airports and Ports
- Shopping Centers
- Tunnels and Bridges
- Railway Infrastructures and Stations
- Oil and Gas Pipelines
- Water Treatment Plants
- Civil Protection Structures

SC4T Smart Surveillance is dedicated to enhancing safety and security across multiple sectors by leveraging **cutting-edge technologies and interdisciplinary expertise**.





E2E Approach: *from design to implementation*



Our interdisciplinary and end-to-end (E2E) vision allows us to integrate forensic and CBRN methodologies into every phase, from design to implementation. Beyond system design, we also offer:

Consulting on CBRN Contamination Sensors

We provide specialized consultancy to select and integrate the most suitable sensors for monitoring chemical and radiological contamination. Sensor selection depends on specific operational needs, environmental conditions, and sensitivity levels. Through in-depth contextual analysis, we determine the most effective detection solutions to ensure timely and reliable monitoring.

Consulting on CBRN Dispersion Modelling Software

We assist in selecting and integrating advanced software for simulating and predicting the dispersion of chemical, biological, radiological, and nuclear agents. The selection of the most appropriate platform considers factors such as model accuracy, interoperability with other systems, and real-time analytical capabilities.

Consulting for CCTV System Integration

We analyse operational requirements to develop tailored solutions that integrate video surveillance systems with CBRN technologies. Our expertise enables effective data correlation between sensors and video analytics, optimizing alerting, automated responses, and forensic tracking while ensuring regulatory compliance.





Use Cases

Use Case	What we do
<ul style="list-style-type: none">• Airports• PortsShopping• Centers Railway• Stations• Oil Pipelines, Gas• PipelinesStadium	<ul style="list-style-type: none">• Designing the Smart Video Surveillance System and Analysis System capable of identifying anomalous situations, people and suspicious behaviors• Integration with AI systemsDesign of CBRN sensors and integration with analysis systems• Design and implementation/Integration of the network (including 5G Private NW systems, IoT)
<ul style="list-style-type: none">• Tunnels• Bridges	<ul style="list-style-type: none">• Designing the Smart Video Surveillance System and Analysis System capable of identifying anomalous situations, vehicles and suspicious behaviors• Integration with AI systems• Design of CBRN sensors and integration with existing fiber optic infrastructure (fire sensors, vibration sensors, smoke, chemical agents, etc.)• Integration with security and civil protection systems• Design and implementation/Integration of the network (including IoT systems)
<ul style="list-style-type: none">• Railway infrastruttura	<ul style="list-style-type: none">• Design the Smart Video Surveillance System and Analysis System capable of identifying anomalous situations, people/vehicles and suspicious behaviors• Integration with AI systems• Acoustic Analysis• Integration with TLC systems (GSMR, FRMCS, 5G Private BW)• Design of CBRN sensors and integration with the existing fiber optic infrastructure (fire sensors, vibration sensors, smoke, chemical agents, etc.)• Integration with security and civil protection systems• Design and implementation/Integration of the network (including 5G Private NW systems, IoT).
<ul style="list-style-type: none">• Water Treatment Plants	<ul style="list-style-type: none">• Designing the Smart Video Surveillance System and Analysis System capable of identifying anomalous situations with AI systems• Integration with existing analysis and control systems (including intrusion detection systems, perimeter control, IoT)• Design of CBRN sensors (fire sensors, vibration sensors, smoke, chemical agents, etc.)• Integration with security and civil protection systems• Design and implementation/Integration of the network (including 5G Private NW systems, IoT)
<ul style="list-style-type: none">• Civil Protection Structures	<ul style="list-style-type: none">• Integration with existing analysis and control systems (including intrusion detection systems, perimeter control, IoT)• Design and integration of CBRN sensors (fire sensors, vibration sensors, smoke, chemical agents, etc.) with existing Civil Protection platforms



THANKS



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