

powered by  aws

# YOUR DATA IS ABSOLUTELY SAFE WITH COMELIT.

A tangible object is easy to protect: you can just lock it in a room, chain it to your desk or buy a spare one.

Information, instead, is a **major problem**: it can exist in multiple locations, be transported in just **a few seconds** to the other side of the planet or **stolen** from you without you even knowing it.

  
WITH • YOU • ALWAYS

# CCTV & Cybersecurity

## OUR COMMITMENT TO GUARANTEE YOUR DATA

**IS YOUR DATA REALLY SAFE? WHAT COULD HAPPEN TO THE MILLIONS OF BITS OF DATA FLOWING THROUGH SERVERS? WHO IS RESPONSIBLE FOR THEIR SAFETY? THESE ARE THE QUESTIONS YOU SHOULD ASK YOURSELF BEFORE CHOOSING A VIDEO SURVEILLANCE SYSTEM.**

We now live in an age that can be defined as 'the age of data'. In fact, now more than ever, technological **advances** have made it possible for us to have virtually infinite volumes of data of different kinds and from multiple devices at our disposal. By analysing and processing this data, we can obtain information that allows us to predict both our own behaviour and that of others.

such as post offices, airports, and stations. Infrastructure security, whether public or private, largely relies on **video surveillance systems**.

Until just a few years ago, any

violation of their protocols could have resulted in incredibly serious consequences.

Therefore, ensuring safety and protection against cyber attacks has become the 'new normal': this is what the market demands. This is the reason why all key players - including us - are committed to developing and adopting **increasingly effective countermeasures** that involve introducing sophisticated firmware, shields and protocols in order to raise our standards when it comes to cybersecurity standards.

However, if we actually want to talk

about how secure the data and video feeds of each and every one of us, whether as individuals and citizens or consumers, there is one question that needs to be answered clearly and transparently: **can a manufacturer truly guarantee reliability and security?**

As we all know, a number of countries worldwide have **banned** several video surveillance system manufacturers from selling in their markets. One of these countries is the **USA** which, in 2018, with the approval of the federal **NDA** - signed by Trump and subsequently confirmed by Biden



**Learn more about the NDA**



[in English]  
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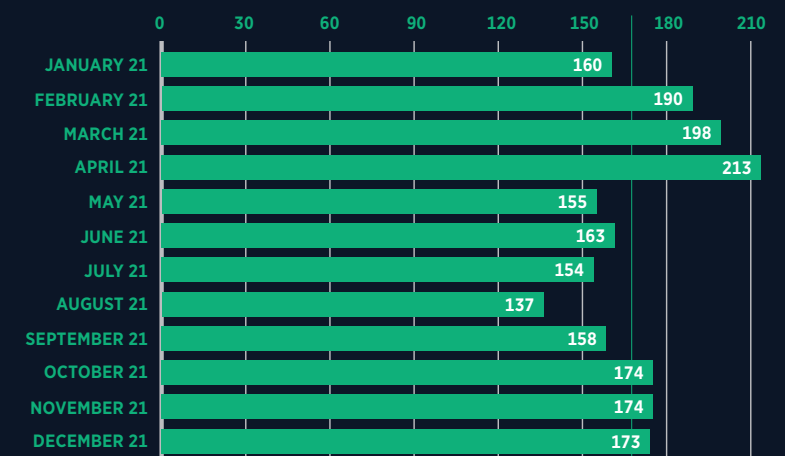
# +81%

**THE GROWING NUMBER OF MAJOR PUBLIC ATTACKS (WITH A SYSTEMIC IMPACT ON EVERY ASPECT OF SOCIETY, FROM POLITICS TO THE ECONOMY) OVER THE LAST 4 YEARS**

It is for this reason that **cybersecurity** and the **protection of sensitive data** have become very important and topical issues that are causing growing **concern** among companies and individual citizens. Not surprisingly, since 2018, the number of global cyber attacks has **risen by 81%**, targeting individuals and, above all, in many cases paralyzing entire financial institutions, television broadcasters, private companies, public institutions, and basic services



**In 2021, Clusit\* analysed 2,049 major cyber attacks in the public domain, with an average of 171 attacks per month. This is the highest value that has ever been recorded and is equivalent to an increase of roughly 10% over the previous year. Losses for the year 2021 have been estimated (on a global scale) at \$6 trillion.**



\*Italian Association for Information Security, a nonprofit organisation set up in Milan on 4 July 2000





- **prohibits** federal agencies and their contractors from using and purchasing telecommunications and video surveillance equipment and components made by leading global manufacturers, including brands that are very well-known even in Italy.

This is a critical issue which, however, **does not affect us at Comelit in any way**. It is quite the opposite. **We are Italian**, and we are a private, non state-owned company. **We have no obligations to anyone**, except for our shareholders. Consequently, we have **no interest in or obligation to share the data** flowing through our servers.

But there is more. Although it is clear by now that virtually all video surveillance technology is 'made in China' - as is the smartphone we carry in our pocket or the PC on our desk -, we can guarantee that our

**We are not part of the problem. We are an Italian company that is not state owned, and we have no interest or obligation in transmitting the data we collect.**

**ONVIF**®

*Comelit products use a proprietary protocol and we have our own servers, which are located in Europe. Moreover, they are fully ONVIF compliant, which means that full compatibility with other manufacturers' products is ensured.*

systems feature components that are not **on any country's blacklist**.

In addition, our server-cloud infrastructure for data transfer and storage is based in Europe, **owned by us** and operated in **partnership with the world's largest cloud provider, Amazon AWS**, which has a 36% market share. Our servers in Frankfurt, Germany, are protected by state-of-the-art cybersecurity systems, and not only are they not accessible to anyone for any reason whatsoever, but they are also continuously backed up.

For us at Comelit, being able to make sure your data and videos are always completely safe is not only **a source of pride but also an ethical commitment**. Such a guarantee should not be an optional requirement, but a sacred right of all.



**MIRKO BONADEI**  
Chief Architect Officer at Comelit Group S.p.A.

# A threat that Comelit is always ready to tackle.

At Comelit, cyber security is a **priority**, since we put **a lot of effort** into making our systems more and more secure by adopting increasingly stringent protocols. In order to do this, we have **invested resources and talent**, and taken several steps to implement the best possible solution: First of all, we have **imposed limitations on operations carried out by third parties** - product suppliers - by requiring higher standards than those normally applied. We then created a **new platform**, Comelit Cloud, which is located in Europe, in Frankfurt, with extremely secure protocols and implemented multi-regional back-up and disaster recovery systems, since the **redundancy** of the systems allows us to maintain data availability also in case of unforeseen events. We have started **monitoring activities** on the platform through **Artificial Intelligence** systems that monitor access and account activity on the platform, which are able to

detect not only intrusions, that is, attempted unauthorised access, but also **behaviour** that is not in line with individual account authorisations. This means that if someone were to use an **authorised** account for transactions that this type of account does not normally do, meaning out-of-pattern transactions, the event would be detected and reported. Not only are operators/accounts constantly monitored, but the infrastructure itself also regularly undergoes **vulnerability tests** to check whether adequate **security** is

in place to deal with new potential threats. The **three principles of cybersecurity** are **confidentiality**, in the sense that only those who are actually authorised should be able to access data, **integrity**, meaning that data must be stored without being manipulated, and **availability**, that is, data must be accessible and available as soon as possible. Should the Comelit infrastructure, for any reason, fail or be damaged, 99% of it can be rebuilt **automatically**, minimising human intervention and human error.







# Our Cloud CCTV service: now safer than ever.

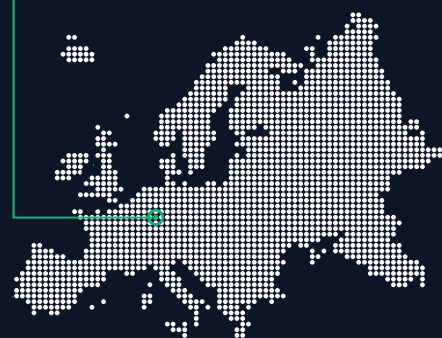
Customer trust is at the heart of Comelit's business and we know you trust us to protect your **most critical and sensitive assets: your data.** Our cameras and video recorders use special firmware to guarantee maximum protection in terms of both cyber security and data protection. Comelit products use encrypted communication protocols, telnet port locking, encrypted configuration files, storage data encryption and backups. But is all this enough to guarantee computer security and data protection? **We have gone one step further!** We

have further increased the security of our customers' data by using the infrastructure and cloud services of **Amazon Web Services (AWS)**, the most comprehensive and secure cloud platform available today. Using **AWS cloud services**, Comelit's video surveillance services provide you with the highest standards of resilience, cyber security and protection of sensitive and personal data in compliance with European privacy regulations. The infrastructure, based on the use of highly reliable and scalable serverless technologies, is systematically subjected to:

- **Vulnerability Assessment for detecting security holes in software, its dependencies and network configurations**
- **Monitoring with Artificial Intelligence tools that use pattern recognition algorithms to detect fraudulent behaviour and attacks**
- **Monitoring with tools that use Machine Learning and pattern matching to identify sensitive data and protect privacy and security by enforcing security best practices**
- **Intelligent Threat Detection with transport layer DDoS attack protection (Ivl 4 ISO OSI)**



DATA IS STORED IN EUROPE AND COMPLIES WITH EU REGULATIONS ON PRIVACY, PORTABILITY AND DIGITAL SOVEREIGNTY.



# Amazon Web Services

For **over 15 years**, AWS has been the most comprehensive and widely adopted cloud platform in the world. AWS has steadily expanded its services to support virtually any workload in the cloud and now has **more than 200 comprehensive services** for compute, storage, databases, networking, analytics, robotics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development. Millions of customers - including the fastest-growing start-ups, the largest enterprises and major government agencies - rely on AWS to enhance their infrastructure, become more agile and meet the highest security requirements.



**Redundancy:** All datasources are redundant to ensure high reliability and low failover times.



**Encryption:** All datasources are encrypted with symmetric encryption keys managed on FIPS 140-2 compliant hardware security modules.



**Lock:** The datasources are not publicly accessible to provide an additional layer of security.



**Backup:** Back-ups of all data sources and disks are constantly generated, stored on encrypted environments and distributed over different and distant geographical locations.



**Amazon Inspector:** Thanks to the Amazon Inspector service, there is automatic and continuous vulnerability assessment management for the detection of security holes in software, its dependencies and network configurations.



**Amazon GuardDuty:** Threat detection service that constantly monitors AWS accounts and workloads for malicious activity, returning detailed security results for remediation visibility.



**Amazon Macie:** Monitoring with tools using ML and pattern matching to identify sensitive data and protect privacy and security through enforcing best practices.



**Amazon Cloudwatch:** Monitoring service that provides detailed data and information useful for monitoring applications, responding to system-wide performance changes and optimising resource utilisation.



**Amazon Shield:** Infrastructure protected by an Intelligent Threat Detection tool with protection against DDoS attacks up to level 4 of the ISO OSI model.

# 15

FOR OVER 15 YEARS, AMAZON WEB SERVICES (AWS) HAS BEEN THE MOST COMPREHENSIVE AND WIDELY ADOPTED CLOUD PLATFORM IN THE WORLD.



# Our offer

## TWO RANGES, ONE SOLUTION.

Comelit's currently offers two **product ranges**: the NEXT series and the ADVANCE series.

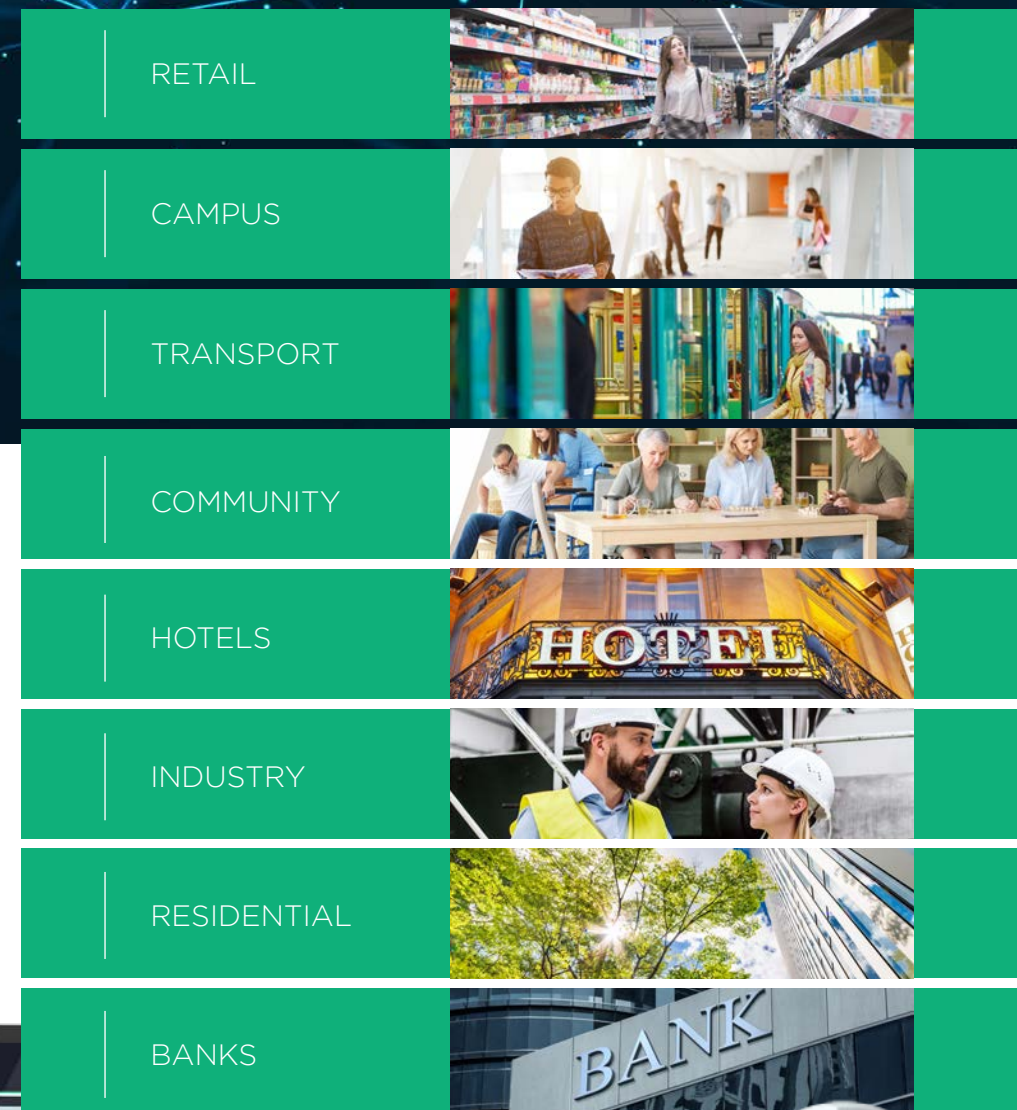
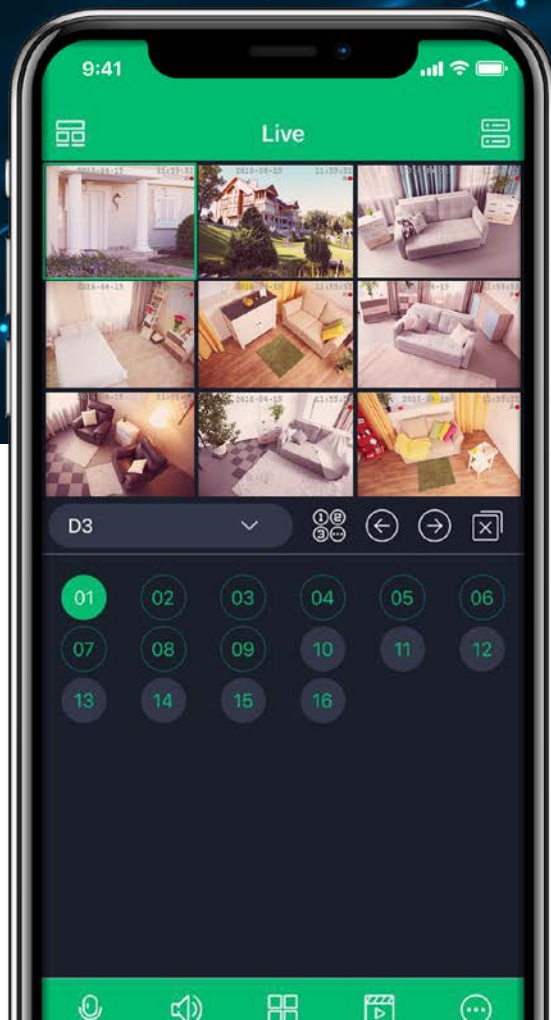
**The Next series** comprises high-tech products: cameras with different housings, lenses and sensors with resolutions up to 4K, recording to machines up to 32 ch. In short, it is ideal for small and medium-sized systems.

**The Advance series**, instead, offers very high standards when it comes to Deep Video Analytics (DVA), video analysis functions that are able to distinguish people, vehicles, bicycles and motorbikes, target counting functions, heat maps, from face recognition to metadata analysis (DVA 2.0), video recorders up to 128ch, platform products with storage servers, and management servers that allow for systems of up to 30,000 ch. Ideal for medium and large systems and to meet any type of demand.

**THE NEXT SERIES AND THE ADVANCE SERIES ARE MANAGED THROUGH A SINGLE PLATFORM, A SINGLE APP, AND A SINGLE VMS. THIS MAKES IT POSSIBLE TO MIX ANY KIND OF SERIES IN ORDER TO OFFER AN INCREASINGLY TAILORED VIDEO SURVEILLANCE SYSTEM, THUS MEETING ALL TECHNOLOGICAL AND ECONOMIC REQUIREMENTS.**

Video analytics functions **push the boundaries** of video surveillance beyond simple viewing and video recording.

They make it possible for users to **protect** their property from break-ins, search for events more quickly, and instantly receive push and email notifications. Besides standard video analysis functions such as perimeter protection, marketing analysis is also made possible through various functions such as gender and age recognition, vehicle identification, and direction of travel identification.





# Comelit.

## FROM THE BEGINNING.

Since 1956, we have been making history in the door-entry phone and door entry monitor sector and have actively contributed to its **ongoing** development. Over the years, the experience gained in this specific sector when it comes to meeting installation **requirements**, such as simplicity, reliability and multiple functions, has allowed us to grow and make a name for ourselves as an **international benchmark company**.



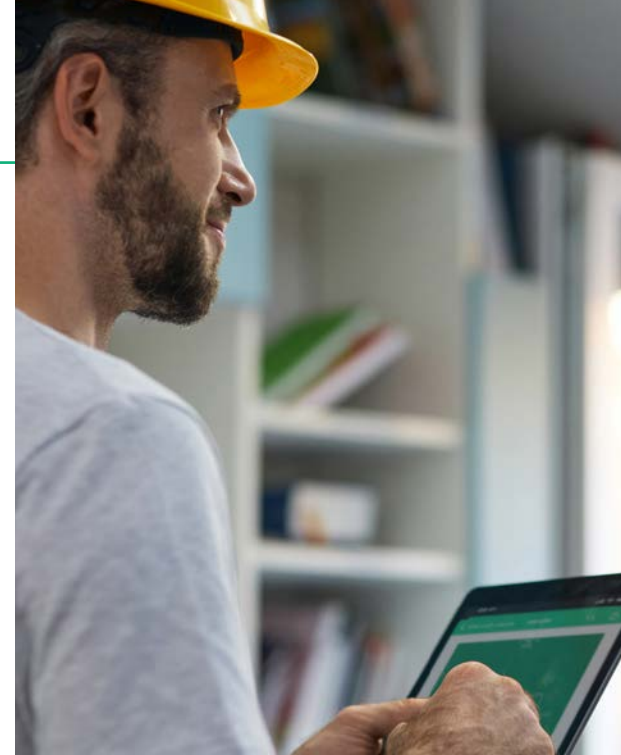
Our **values** and our business **vision** are the foundation upon which we have developed a well-run, well-structured global organisation, with **10 branch offices** abroad, more than **800 employees** and a commercial presence in **over 90 countries**.

In addition to video door entry systems, we design and build anti-intrusion, video surveillance, home automation, fire protection and access control systems, which makes us a single partner specialising in protecting people and their environment.

# With You. Always.

## OUR PROMISE, OUR COMMITMENT.

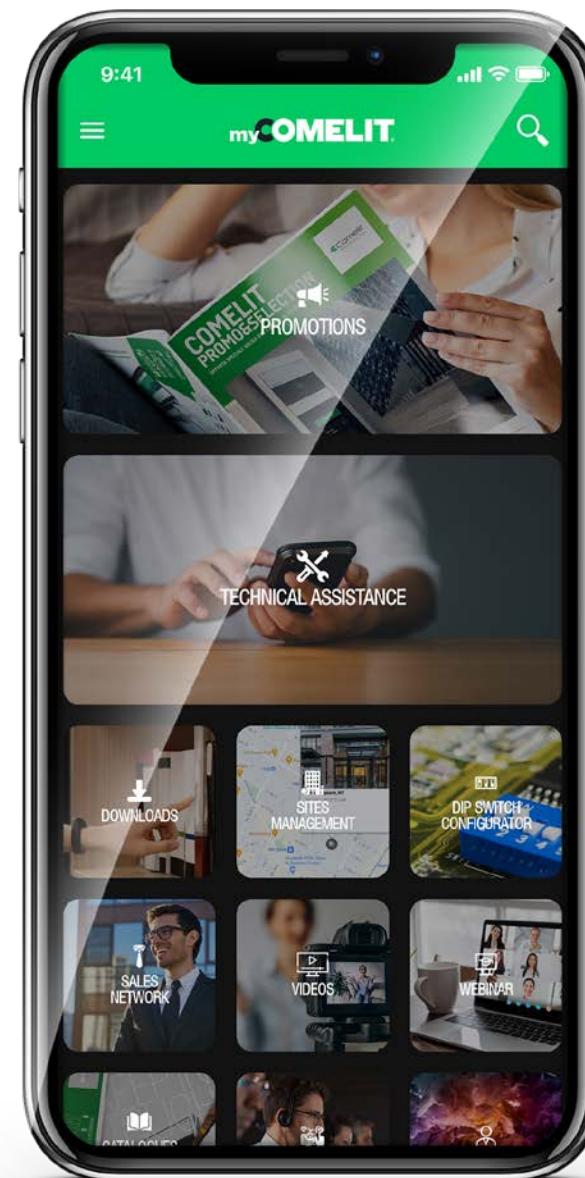
Being **close** to those who choose Comelit for their customers is our daily **commitment**. Our commitment is demonstrated by the fact that we are constantly researching and developing new, easy-to-install, high-performance solutions and offering daily advice and **assistance** on the phone and on site, as well as extremely reliable products and systems of the highest quality, **supporting you step by step in your work**. With You. Always. Because **your success is our success** and your satisfied customers are our satisfied customers.



# MyComelit.

## THE APP YOU WON'T BE ABLE TO DO WITHOUT.

*Simple, straightforward and customised.* Thanks to all the services provided, MyComelit makes work easier for all **industry professionals**: Installers, Draughtsmen, System integrators, Security managers, Building managers and Architects.



- Quickly browse through all the technical, application-related and commercial information concerning our products (catalogues, manuals, technical data sheets, etc.).
- Keep up to date with all the news we have for you: promotional offers, online and on-site training courses, services, new products and much more.
- Set up your video door entry systems in just a few steps and save them in your reserved area.
- Manage and monitor your connected systems and receive notifications on the status of installed products to receive prompt assistance in case of anomalies.
- Enter the names of the Ultra entrance panel (in the Touch or digital Directory versions) via Bluetooth connection.

**COMELIT**

[www.comelitgroup.com](http://www.comelitgroup.com)



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