

An aerial view of a city skyline at dusk, featuring numerous skyscrapers and a winding river. The image is overlaid with various technology-related icons such as a smartphone, a mail envelope, a location pin, a speech bubble, a camera, a magnifying glass, and a Wi-Fi symbol. The text "AQSA COM Technology Overview" is centered in a green, semi-transparent font.

# AQSA COM Technology Overview



**AQSA COM**  
INNOVATING CYBER INTELLIGENCE

## PROVEN TECHNOLOGY

- Deployed by tier-1 CSPs and intelligence agencies globally with over 25 years of maturity.

COUNTER  
TERRORISM



## OPEN SOLUTIONS

- Flexibility and open environment to integrate with any 3rd party solution.

PUBLIC  
SAFETY

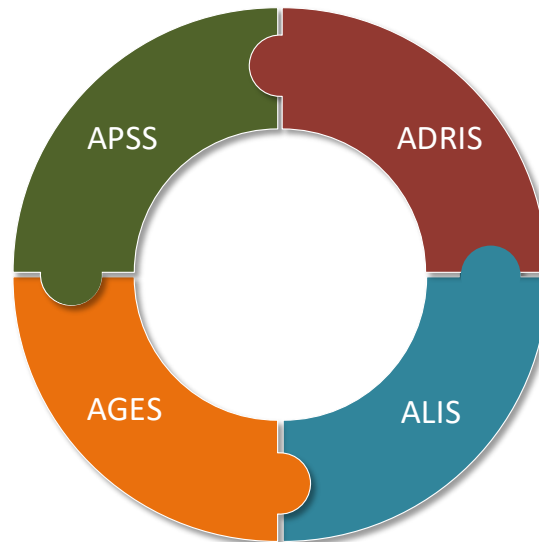


FRAUD  
DETECTION



## REUSABILITY & ECONOMY OF SCALE

- Standalone solutions for commercial use.
- Highly modular solutions with seamless integration with one another.
- Common **EasyShare** core with re-usable components to build a completely new solution.
- Start with one and build upon as needed.



## DEPLOYMENT OPTIONS

- Bare-metal.
- Platform Function Virtualization.

## RAPID DEPLOYMENT

- Pro-active end-to-end inter-operability with strategic partners to ensure on-time and rapid deployments.

LOCATION  
TRACKING



LAW  
ENFORCEMENT



## DISTRIBUTED & MULTI-TENANT ARCHITECTURE

- Flexible architecture.
- Supporting multitude of use cases.

INTELLIGENCE



## PROGRESSIVE & SCALABLE

- Start small and grow as needed.
- Smart progressive investment.
- Optimum budget control.

## THE NEED

- **Network complexity** has evolved with the growth of telecommunication over the past few decades.
- Access to the telecommunication content has and will become more crucial for **National security** purposes.

Since its inception, AQSACOM has been involved in providing mediation solutions to the telecommunication providers and law enforcement agencies solving complex problems covering variety of services, national and international standards and requirements.

## EXPERTIES and LEADERSHIP

- Foreseeing the need for flexible and open solutions, catering for the current and future needs, AQSACOM has architected its suite of **software-based** solutions allowing for full and rapid customization for every deployment.
- With over 100 years of combined knowledge and experience, AQSACOM has built a powerful software core solution called **EasyShare** which is commonly used in all its products.
- AQSACOM solutions are deployed in major T1 telecommunication providers over 30 countries across the world.

## PURPOSEFUL

With business foundation in Cyber-Intelligence, AQSACOM has remained focused while our competitors moved on to other lines of business.

## LONG TERM PARTNERSHIP

AQSACOM has retained almost every customer in the last 26 years of engagement.

- This long-term relationship is based on trust and strong partnership with a common goal of solving the customer complex issues.
- We collaboratively engage with our partners executive level and the Operational teams collecting their input and requirements.

Our Research & Development (R&D) is focused on:

- Increasing the solution's performance using the same computing capacity.
- Increasing the solution's reliability and maintainability.
- Increasing the solution's flexibility and scalability.
- Keeping the price / performance ratio consistent.

## INVEST WITH CONFIDENCE

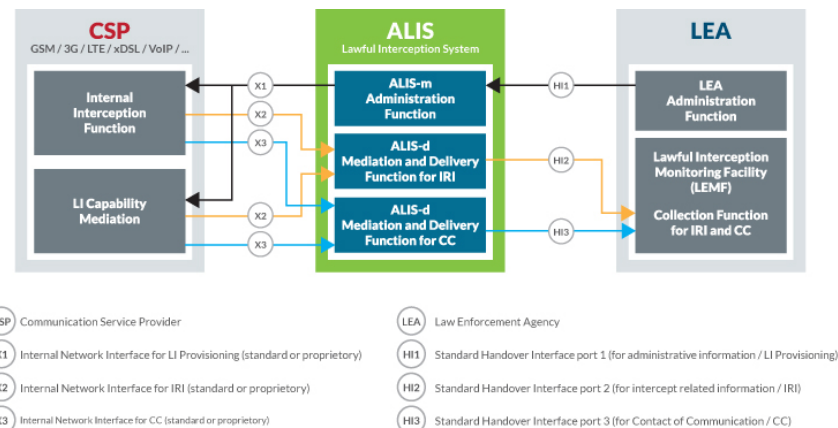
- AQSACOM offers a clear and upfront pricing structure with no hidden costs.
- Without compromising quality, AQSACOM has consistently remained profitable.
- With a clear and an ever-evolving product roadmap, AQSACOM has remained creative and ahead of the challenges in the industry resulting in:
  - Guarantee of the solutions persistency.
  - Budget control year after year.
  - Safe investment opportunity in AQSACOM and its products.

## INTRODUCING ALIS

- ALIS is a carrier grade centralized management and mediation solution fulfilling telecommunication providers Lawful Interception and legal compliance needs.
- ALIS is a cutting-edge solution covering multitude of telecommunication services all under one platform.
- ALIS surpasses any LI solution on the market today in term of performance, scalability and Return of Investment.

## BENEFITS

- ALIS addresses all the telecommunication service providers cyber-intelligence needs and requirements all in one solution.
- A highly customizable, highly reliable and scalable solution offering unmatched performance.
- One LI solution for multitude of network and service types.
- No limit in data source heterogeneity and data complexity.
- Substantial Economy of Scale and quick ROI.
- Different pricing models for different business models, for sure one fits for you!

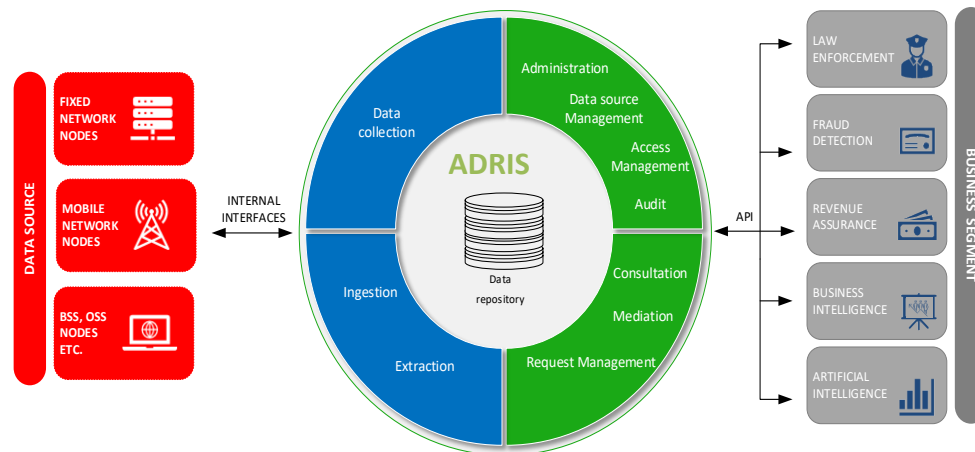


## INTRODUCING ADRIS

- ADRIS is a carrier grade centralized retention solution for collecting and processing huge volume of data in “quasi” real-time.
- ADRIS is a cutting-edge solution to address legal requirement for Data Retention but scalable for commercial applications as well.
- ADRIS surpasses any data and Metadata solution on the market today in term of performance, scalability and Return of Investment.

## BENEFITS

- ADRIS addresses multiple needs and requirements of third-party applications related to Data Collection and Metadata generation.
- One data input (ingress) – several Metadata output (egress).
- No limit in data source heterogeneity and data complexity.
- Massive Economy of Scale and quick RoI.
- Different pricing models for different business models.



## WHAT IS APSS ?

Aqsacom's Next Generation Public Safety Solution offers a comprehensive, flexible and modular public warning and emergency location solution meeting the regulatory requirements for Public Safety.

## INTELLIGENT TARGETED ALERTING

A targeted approach to include/exclude:

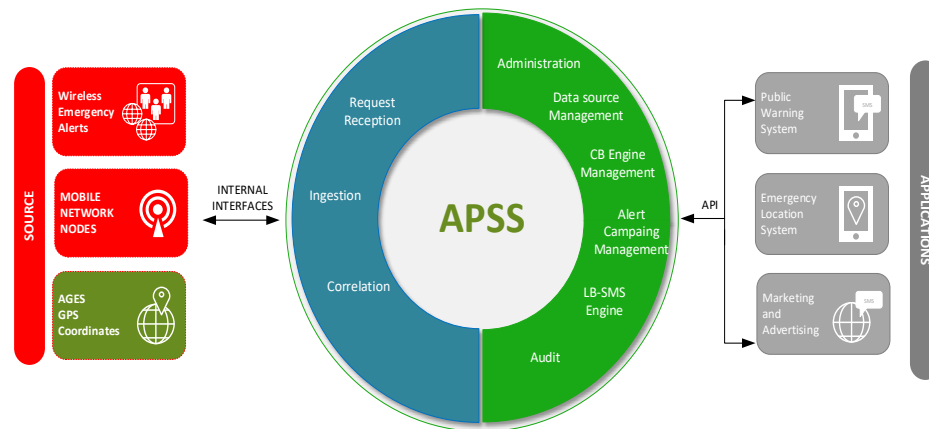
Everyone in the affected area • Everyone who has left the affected area • Anyone entering the affected area • Send 'all clear' only to those affected

## BENEFITS ?

- Highly modular with seamless integration with other AQSACom solutions. Offers a secure, and centralized alerting system ensuring all affected subscribers are notified as efficiently as possible.
- Use of Web Services APIs to exchange with Authorities / Public Safety Agencies systems • Web-based GUI to manage and operate cases.
- Collection of network events and/or geolocation data using active positioning or passive location methods.

## WHAT ARE APSS USE CASES?

- **Public warning system** to deliver alert messages to CSP served users located in a given geographical area (i.e., Contact tracing and shelter in place scenarios.)
- **Emergency location system** to collect, display and/or deliver, to requesting authorized emergency personnel, geolocation data of person in danger or missing.
- **Marketing Alert system** where APSS components are used for commercial marketing campaigns.



## WHAT IS AGES ?

Aqsacom next-generation GeoTracking Enhanced Solution for mobile networks using a centralized and secure management platform.

## BENEFITS ?

- Seamlessly integrated into AQSACOM solution portfolio complementing the ALIS, and ADRIS solution.
- Modular architecture and Open interfaces.
- Cost effective and quick RoI.
- Mature solution and Readily supports active and passive tracking.

## WHAT ARE AGES USE CASES?

- Target based solution for Legal compliance (CALEA, DR).
- Geofencing and Geo-monitoring.
- Contact tracing and shelter in place scenarios.
- Targeted Marketing.

## GEO-FENCING

Alert when subscribers enter or exit a defined geo-area

- Automate communication, alert and location tracking when lawfully permitted
- Improve LI/CALEA, public reachability, and data volume management efficiency
- Provide more insight into target activity and movement.

## PASSIVE GEO-TRACKING

When the UE natively interacts with the network .

MDT: Minimization of Drive Tests.  
Completely transparent.

## ACTIVE GEO-TRACKING

AGES supports advanced Minimization of Drive Tests for silent geo-tracking.

