

smart cities

COMPANY PROFILE

2023



Introduction

In Smart Cities, we are committed to being innovative and smarter in using technology to improve life and protect the environment.

Modern cities, worldwide, are becoming more connected to technology to absorb emerging pressures of deep, wide, and critical need of increasing number of people to scarce resources. These scarce resources range from food to security and a car parking space.

The availability of data helps the city better plan, design and operate.

Sudan digital infrastructure lacks behind, but the country expects major developments in short-term considering the megaprojects in pipeline (Seaports, airport, international railway, agricultural schemes, etc) and this necessitates the need for smarter cities than ever practiced. Creating reliable communication infrastructure falls in the heart of the vision of enabling creative solutions to improve life of African people.



Vision

To be the broadest, most comprehensive, and safe digital communication platform in Sudan and Africa



Mission

SMART Cities is a critical platform for people and things connectivity during normal and emergency situations. It is based on making needed data available in time with high quality standards and within reasonable cost. Human and technology are at the center of Smart Cities solutions.



Values

Respect

We value our Customers and all stakeholders and we strive to clarify their concerns and meet our commitments to them.

Responsibility

We handle our tasks with high care and diligence and, whenever necessary, we take any action to correct our mistakes.

Transparency

We are committed to build clear and open relations with our Clients, auditors and regulatory bodies.

Secrecy

We treat any information that becomes available to us through our direct work with Customers as highly confidential.

Inclusion

We believe that African communities are stronger when all have the access to technology and related easy-life applications.

Excellence

We always focus on meeting our customers' expectations and building robust, dynamic and continuously improved quality systems.

Human focus

Human Resources are our capital; developing people and creating collaborative working environment maximize the effort to deliver more. We complement each other's knowledge, experience, and effort.



Solutions

1. Critical Infrastructure security monitoring and safety.
2. Telecommunications, data centers and cloud computing.
3. Information technology data analysis and systems design
4. Drone applications.
5. Monitoring and Control.
6. Civil and government surveillance camera applications
7. E-government applications.
8. Radars applications.
9. Internet of Things (IoT) applications.
10. Emergency System Applications.
11. Access Control systems
12. Remote services (health, education, agriculture .)
13. Artificial Intelligence (AI) systems and applications.
14. Manufacturing and technology and knowledge transfer.
15. Network design, installation and operation.
16. Support the governments on establishing Smart Cities and digital transformation.

Solutions for Agriculture

Agricultural Pest Control

Our drone solutions for pest control provide farmers with an alternative to traditional pesticides. We use drones to target specific areas of the field that require treatment, reducing the number of chemicals that are applied to the entire field. Our drones can also provide real-time data on the health of crops, enabling farmers to respond to pest and disease outbreaks quickly.

The use of drones for pest control also reduces labor costs and saves time, as farmers no longer need to manually apply pesticides to the entire field. Our drones are equipped with high-resolution cameras and sensors that can detect areas of the field that are affected by pests or diseases. This allows farmers to treat only the affected areas, reducing the overall cost of crop management.



Crop Monitoring

Our drone solutions for crop monitoring provide farmers with real-time data on the health of their crops. This data enables farmers to make more informed decisions about crop management, including when to irrigate, fertilize, or harvest their crops. Our drones can also provide data on the overall health of the soil, which can help farmers make decisions about crop rotation and land management.

Our drones are equipped with high-resolution cameras and sensors that can detect changes in the health of crops. This data is analyzed using machine learning algorithms, which can provide insights into crop health and yield potential. This data can also be used to predict future yield, allowing farmers to plan their operations more efficiently.

Surveillance

Large agricultural schemes require practical and efficient security systems. Our drones and C4 application provide real time data for monitoring and protecting the schemes from animals and thefts.



Solutions on security

Critical Infrastructure security monitoring and safety

- Preserving the security, safety and information of the country's infrastructure.
- Designing and developing infrastructure management and operation strategies and policies.
- Forecasting risks and developing response and recovery plans.
- Building governance systems and risk management plans and following up compliance with them.
- Supervision and oversight of the policies and standards regulating the work of critical infrastructure.
- Building, designing, developing and operating critical sovereign infrastructure to face disasters and emergencies



The Safe

Detection and
Integration
Cameras and



- CCTV cameras
- ANPR

Analysis



- Analyze and index
- Searchable video

Decision
Coordination



- Dashboards
- Command center
- Incident management

Action

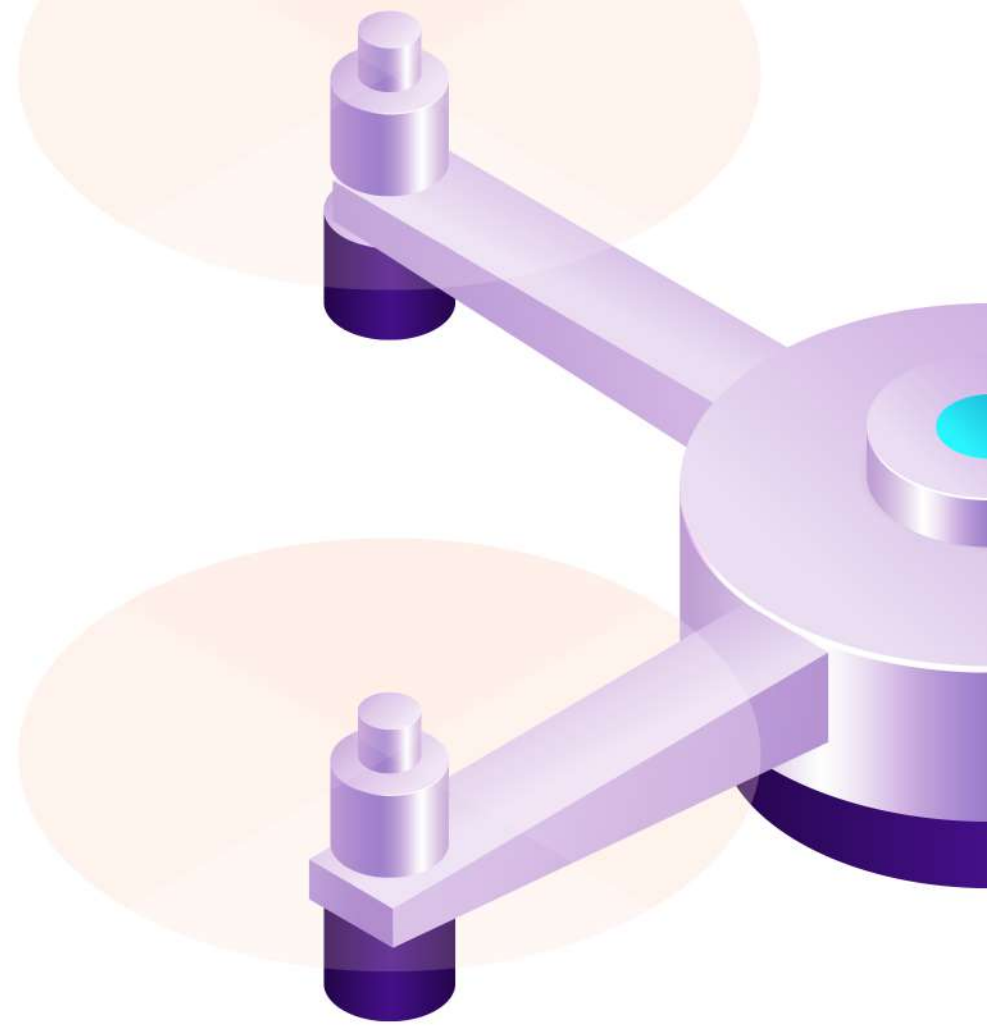


- On ground action
- Police or medical

Solutions on UAV

Drone applications

- AERIAL PHOTOGRAPHY
- SHIPPING AND DELIVERY
- GEOGRAPHIC MAPPING
- DISASTER MANAGEMENT
- PRECISION AGRICULTURE
- SEARCH AND RESCUE
- WEATHER FORECAST
- WILDLIFE MONITORING
- LAW ENFORCEMENT
- ENTERTAINMENT



Drone



surveillance and
reconnaissance



Defence



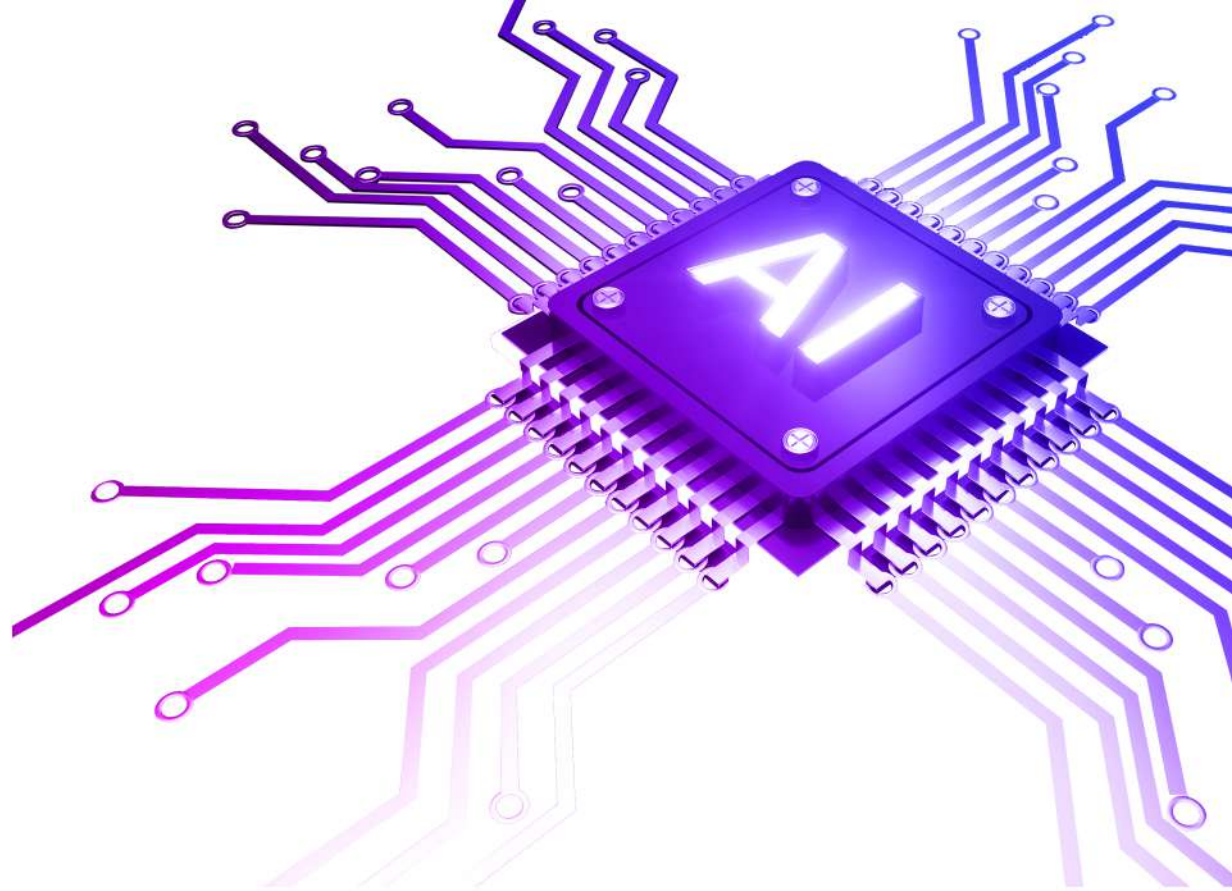
Homeland security



Communication and
electronic warfare



Support and
Cargo



Solutions on IoT

Internet of Things (IoT) applications.

Solutions on AI

Artificial Intelligence (AI) systems and applications.

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