



# FUTURE TODAY

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Think ahead! Think smarter!



# MAKING A DECISION TO INVEST IN TECHNOLOGY

- Is it Scalable?
- Will it integrate with existing systems
- Is it solving a problem?
- Do I understand it?
- Proprietary & Closed Vs Open Platform
- Will it bring Operational efficiency?
- How would I maintain it?
- What knowledge/skill would I need internally to use this technology?
- The list goes on....



SECURITY | AUTOMATION | COMMUNICATION

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Don't drown in  
Options



# WE BRING CLARITY

- Investing in ICT Solutions is a draining process
- Overload of Options
- Biased Inputs from Technology Vendors
- Burden of expectations from within the organization
- Constraints of Time and Budget



SOLUTIONS

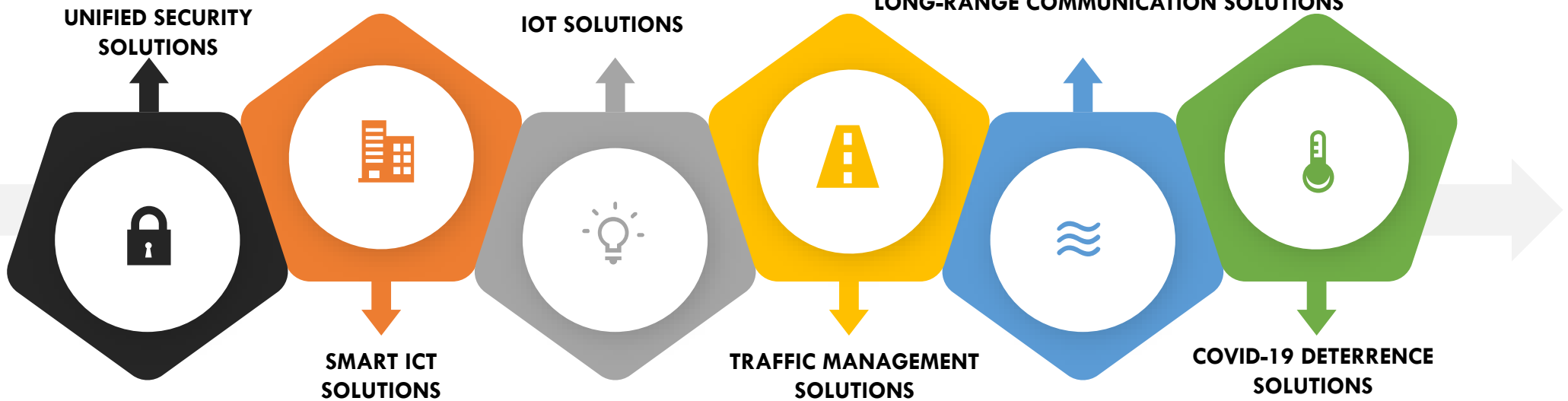
# SOLUTIONS



IP Surveillance, Access Control, Unified Communication, Video Analytics

Smart water metering, Smart Street lighting, Energy Metering, Asset Tracking

Application in Defense Sector, Homeland Security, NDRF



QR & Smart Card based automated access, Digital payment integrations, Data Centre Solutions, Deep Learning & Data Visualization

ANPR, Red Light Violation Detection (RLVD), e-challan for Traffic Violation, Speed Violation

Fever Detection using Thermal & AI based cameras, Social Distancing solutions, Touchless access control

# UNIFIED SECURITY SOLUTIONS



## IP Surveillance

IP video management solution (VMS) gives you a transparent picture of events and empowers you to quickly react to threats. The system scales along with your needs and allows you to make the most of the newest hardware and analytics technologies



## Access Control

IP access system (ACS) heightens the security of your people and assets in your organization and increases your readiness to retort to incidents and threats, while leveraging any existing network and security equipment investments



## Unified Communication

Unified communications with access control, video, ALPR, intrusion, and other security applications become tightly linked with your security platform, greatly improving your security team's awareness and facilitating collaboration



## Video Analytics

Combination of unified and third-party analytics technologies transform video into smart, actionable data. They improve your security and operational efficiency, so you make the right decisions at the right time

# SMART ICT SOLUTIONS



## **QR & Smart Card based automated access**

QR Code and Smart Card based automated access using Turnstiles and Flap Barriers for Buildings, Monuments, Sites etc.



## **Digital payment integrations**

The integration process involves several financial institutions, or tools, verifying the transaction data on both ends, allowing the customer to complete the purchase in a few seconds



## **Data Centre Solutions**

Refer to the products and services needed to create and maintain a data center. Products include equipment, like servers, routers, storage systems, and firewalls, as well as supporting infrastructure like cooling systems, batteries, generators and cabling. Services include technical support, installation, and configuration



## **Deep Learning & Data Visualization**

Machine learning methods based on artificial neural networks with representation learning. Strategies and technologies used by enterprises for the data analysis of business information. It provide historical, current, and predictive views of business operations



# IOT SOLUTIONS



## **Smart water metering**

An intelligent enabler for improving consumer relations and optimizing operations. It's about quality management, revenue protection, asset management and non-Revenue Water. About being able to make the right choices and chose the right investments



## **Smart Street lighting**

The use of LED technology and centralized control to reduce energy usage and costs. The deployment of an IoT network will ensure efficient streetlight maintenance and management. The system can be leveraged to improve convenience for commuters, extract and analyze data to revitalize and grow cities



## **Energy Metering**

The optimal use of energy resources and utility assets with a potential that goes far beyond just collecting reliable meter data for billing purposes. The system uses smart meter data intelligently to gain actionable insights into what goes on under the ground in the outermost areas of the distribution grid



## **Asset Tracking**

Tracking physical assets, either by scanning barcode labels attached to the assets or by using tags using GPS, BLE or RFID which broadcast their location. These technologies can also be used for indoor tracking of persons wearing a tag

# TRAFFIC MANAGEMENT SOLUTIONS



## Automatic Number Plate recognition(ANPR)

A technology that uses optical character recognition on images to read vehicle registration plates to create vehicle location data. It can use existing surveillance cameras or cameras specifically designed for the task



## Red Light Violation Detection (RLVD)

Its an intelligent and powerful video-based Violation Detection System. Automatically detects and capture the vehicle crossing a defined zone while the traffic light is red. Zone can be a stop line or zebra crossing



## e-challan for Traffic Violation

Integrated Solution with data from RTO and other enforcement agencies to automate the issuance e-challan for traffic rule violators



## Traffic Analytics

It offers a range of vehicle counting technologies and applications to meet the specific needs of your municipality. It many data points: presence detection, vehicle classification, speed, direction, count and more

# LONG-RANGE COMMUNICATION SOLUTIONS



## New Generation Voice Radio

Long Range Communication up to a no Line of Sight range of 150 km without any repeaters. Moreover it uses free band frequency with AES 256 Bit Encryption



## Super WiFi

Long range WiFi with data speed in the range of 3-12 Mbps up to a range of 30 km . It uses mesh networking with military grade encryption



## SoS & Alarm System

SoS calling from emergency button with a distance upto 100 km with features like high interference rejection & low power consumption



## UAV Radio

Radio for UAV with a range upto 300 km with support for live video & GPS status and control from car based BTS

# COVID-19 DETERRENCE SOLUTIONS



## Fever Detection using Thermal & AI based cameras

Fever detection using cameras with high precision thermal sensors and alternative options of using AI based cameras detecting temperature and mask detection



## Social Distancing solutions

Tag based solution using BLE,RFID & similar technologies for maintaining social distance in a confined space and raising alerts for violations



## Touchless access control

Access control solutions using technology like facial detection , Iris scan and RFID based cards



# THE ICEBERG OF TECHNOLOGY

# Product Price

# Installation Cost



System Design

Training & Education

Documentation Cost

Deviation Cost

Operating Cost

Maintenance Cost

System Failure Cost

System Redesign Cost

Downtime Cost

INDIA



UAE



LOCATIONS



# PROJECTS AND AWARDS



# Projects Launches and Awards

JUNAGADH CITY SURVEILLANCE



# Projects Launches and Awards

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BHAVNAGAR CITY SURVEILLANCE



# Projects Launches and Awards

SYSTEM INTEGRATOR OF THE YEAR – SOUTH ASIA (GENETEC INC)





# IMPORTANT PROJECTS

# STATUE OF UNITY

- Online and Mobile based Ticketing and Digital Payments
- Local Window Ticketing and Digital Payments. POS and related.
- QR Code and Smart Card based automated access using Turnstiles and Flap Barriers
- 20 Kms private Optical Fibre Network
- Cloud Hosting on Amazon AWS
- Ticketing, Technical and Payment Settlement/Reconciliation  
Manpower support



# ADANI GROUP

- Adani Shantigram HQ unified security solution including Video Surveillance, Access Control, Perimeter Security etc.
- Adani Mundra Port migration to unified security
- Adani Power and Transmission unified security
- Entire Adani group migration strategy to unified security



# Lafarge Holcim

- Lafarge Holcim owns Ambuja Cements and ACC Cements in India
- IP Video surveillance and ICT solutions for Ambuja Kodinar Plant, Magdalla Plant, Kalamboli Plant, Raipur Plant, Roorkee Plant, Maratha Plant, Bhatinda Plant, Nalagarh Plant
- IP Video Surveillance and ICT solutions for ACC Cements Tikaria Plant, Wadi Plant, Chanda Plant



# SUTHERLAND GLOBAL

- Multilocation Unified Access Control Solutions for several offices and locations in India





# Madhya Pradesh Electricity Boards

Multilocation 24/7 Data  
Centre Management and  
Maintenance Services





# GSPL

Nationwide Biometric Access Control and Time Attendance solution for more than 30 locations across India



# GULMOHAR GREENS

- Long distance wireless connectivity for connecting Internet Gateway
- Club and Room Wifi Solution



# Berhampur City



- Integrated Traffic Management Solution with LPR (License Plate Recognition), RLVD (Red light violation detection) and e-Challan



# BURO CO-WORKING

- Smart Access Control integrated with Custom Co-working space management software application



# Clientele



ADITYA BIRLA GROUP



And Many More ..

# Contact Us

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The eSec logo, featuring the text 'eSec' in orange and '©' in white inside a dark grey circle, all enclosed within a larger orange circle.

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Thank You

