

iSAT AFRICA IOT SERVICES

iSAT AFRICA IOT CONNECTIVITY SERVICES

EXECUTIVE SUMMARY - INTRO:

iSAT Africa is leading integrated communication Service provider having strong presence across Africa. Our Services includes providing connectivity across IOT ecosystem starting from Device, connectivity, platform and wide level of application and user cases such as Towerco/facility management, Smart meter as a service for Energy, Water and Gas utilities, Asset tracking etc.

Devices: We offer wide range of sensor catering to various use cases

Connectivity: Our offering includes various solutions serving customer's requirement from all verticals including 2/3/4g SIM

based, LORA (LPWAN) and Satellite based IOT connectivity "infrastructure as a service".

Platform: Our offering various "platform as a service" that offers application developers, Enterprise, training institutions/Students to use the platform to develop applications as per requirement.


Applications: We have proven application offering across wide areas, such as Asset tracking, Telcom and towerco solutions, smart meter as a service with prepaid and post-paid options. A complete end to end solution "offering application as a service".

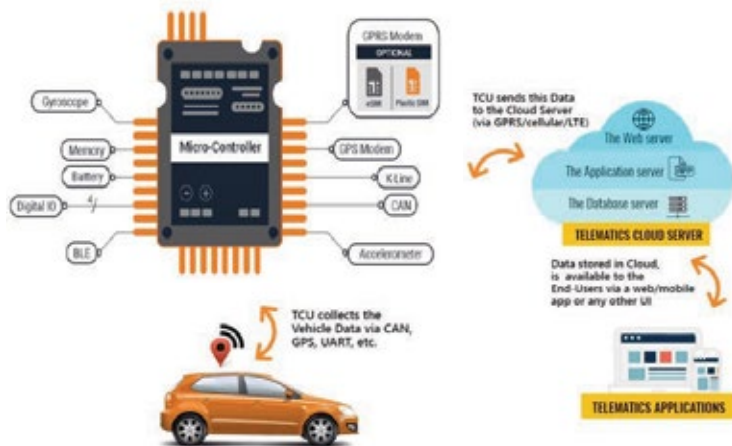
APPLICATIONS AND USE CASES

TELEMATICS

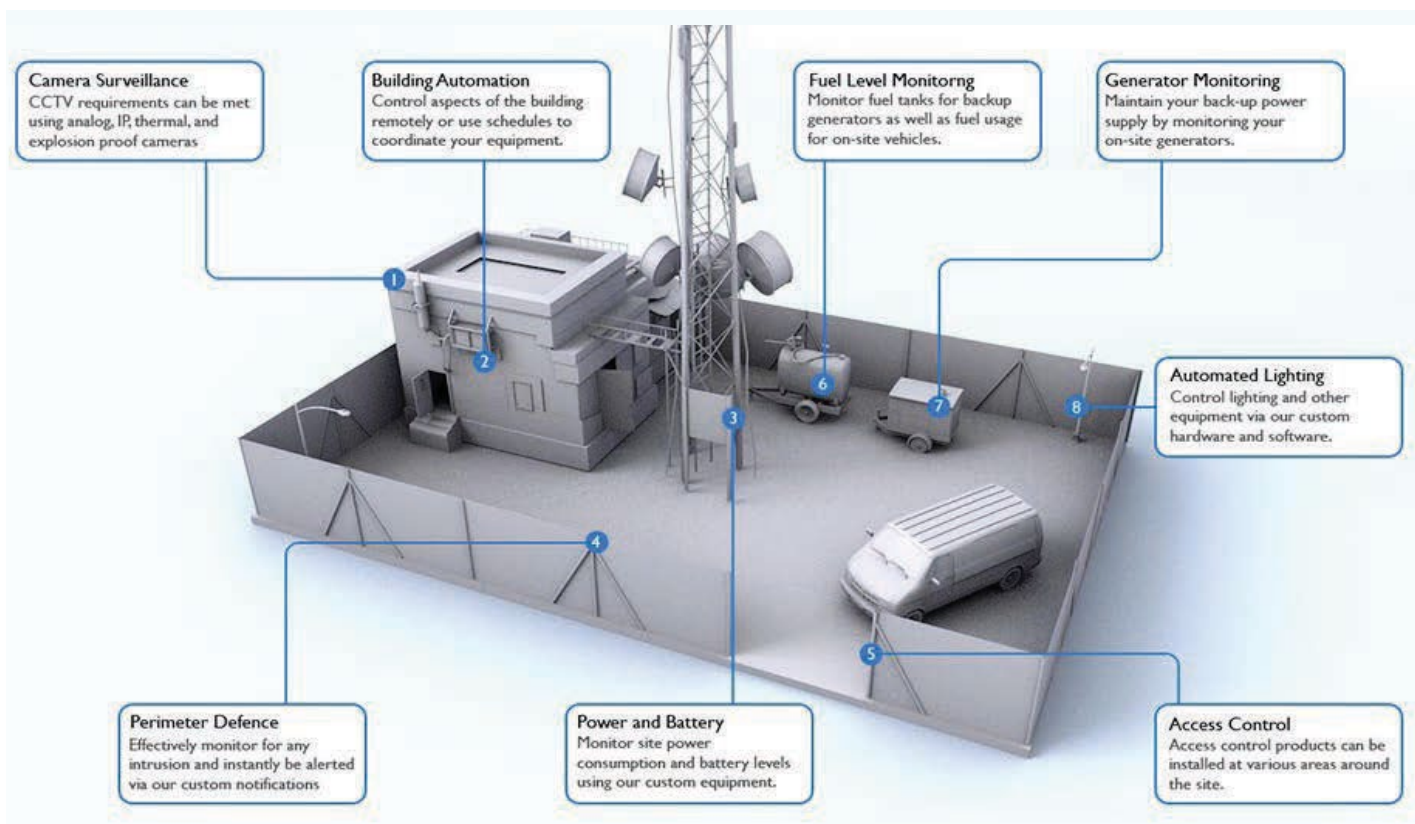
Device to Cloud is an e2e solution which enables Telemetry, Connectivity, Visibility & Control of any vehicle or moving asset by a single intelligent dashboard.

Features

-  Track & Trace
-  Driving behaviour
-  Predictive maintenance
-  Reports & Analysis
-  CAN-Engine diagnostics
-  Safety Alerts
-  eSIM and Connectivity Management
-  Video Telematics
-  Engine immobilization
-  App based ignition
-  EV battery management



SITE MONITORING FOR TELECOM OR ENTERPRISE



Application assist customer to monitor and manage all assets on ground including all energy sources and usage, vehicles, man force, camera feed, security access system etc. and build AI for decision making.

MONITORING SOLUTION WITH USER INTERFACES- WEB/MOB)



BENEFITS

- 24X7 Remote Monitoring
- Save Energy Costs
- Audits of Energy Consumption
- Track Fuel Level
- Optimize Energy Consumption

Derive predictive insights about your diesel generators and correlate them to trigger best and timely actions. Receive real time status reports, get timely rectified issues and automatically scheduled maintenance to eliminate the delays implying generator down-time.

SMART SOLUTION FOR WATER AND ENERGY UTILITIES

TOP-UPS

Top ups by mobile money at any time and from anywhere

Account Management, CRM and Billing

ACCESS CONTROL

Pre/Post paid options



NOTIFICATIONS

Notification by SMS or WhatsApp on utilisation, credit balance, Bills. Alerts on fraud or disconnection notice.

HISTORICAL DATA ON CONSUMPTION

Billing platform
Reminders and alerts
Fraud detection

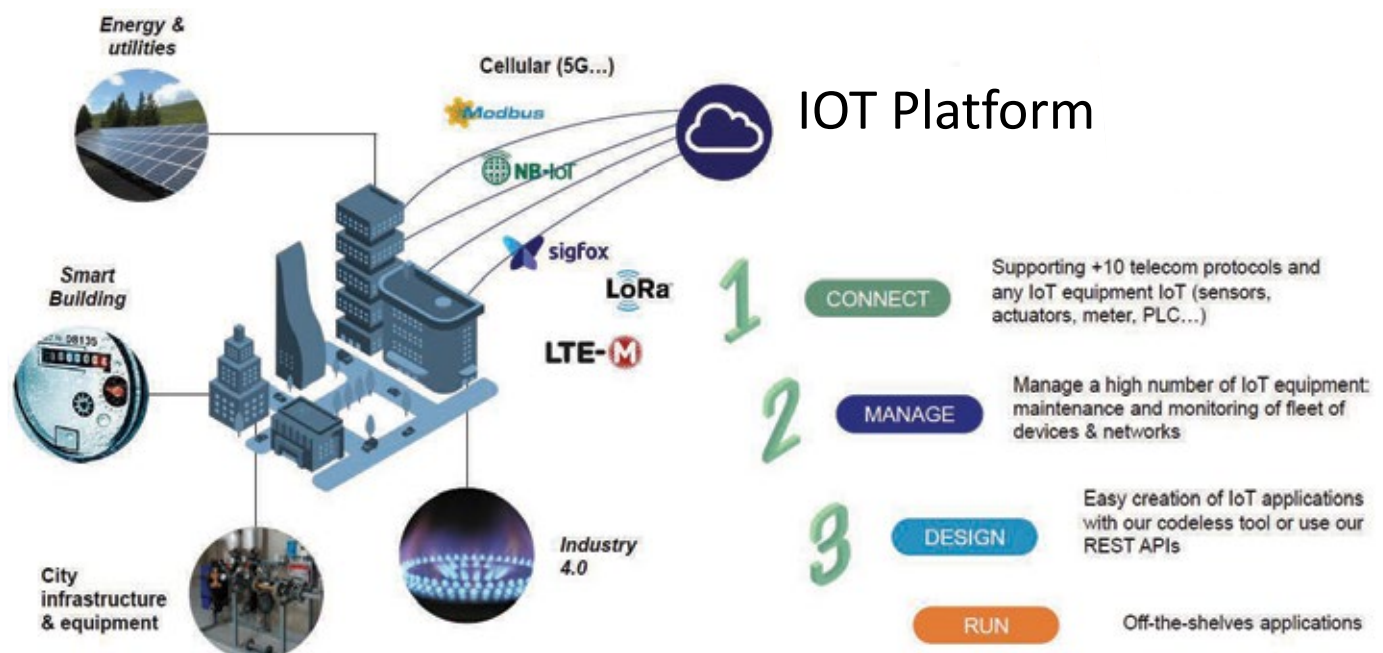
MEASUREMENTS

are done accurately and data is transmitted to server at regular intervals.

NETWORK AND CONNECTIVITY

SAT CONNECT	SIM CONNECT	IP CONNECT	LORA CONNECT
Small 0.65 meter dish optimized for IOT Needing less than 20 Watt power	Global Sim Card with roaming agreement with all local Telcos	Access speeds ranging from Ethernet -100Gig-E & E1 to STM64	Extended Reach: LoRa Devices to gateway is 5-30 km
10+ IOT applications starting from consulting, design, supply & installation	Coverage – Availability of GSM Network	Tier 2 carrier in East Africa with Single AS Number .	1000s devices connected over a single Gateway
100% coverage for all your IOT sites	SIM Connect offers Tariff based on Data Volume starting from 1MB	IPv4 and IPv6 Internet connectivity Regionally and Nationally	Low operating power of 0.025W
Enterprise Grade SLA's	Available Across Africa	100G IP backbone	Batteries work from 2-10 years
18+ years of experience in delivering Satellite connectivity across Africa	SIM Connect offers Lowest Monthly Charges	Core fiber backbone from London, US, Singapore, India, UAE	End to End Managed Solution
Supports multiple data types	Immediately Deployable	Core fiber backbone from Zambia, DRC, Rwanda, Ghana, Nigeria, South Africa, Nairobi, Dar Es Salaam, Malawi.	Application Developers can build solutions without Dependency on connectivity

PLATFORM AND DEVICES



iSAT Africa has a platform which is hosted in cloud as a service or can be in-premise. This platform will offer easy tools and knowledge, does complete ecosystem for developers, service providers and enterprise to develop their applications. Platform proposed not only can integrate the communication, mobile money and user applications but also can offer a platform where applications can be developed and hosted. We can work together with IT companies to offer training to University graduates to build; their career on IOT.



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