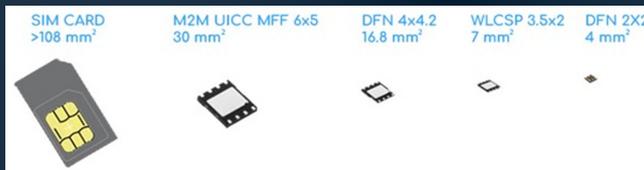




Enabling innovation in connectivity and lifecycle management



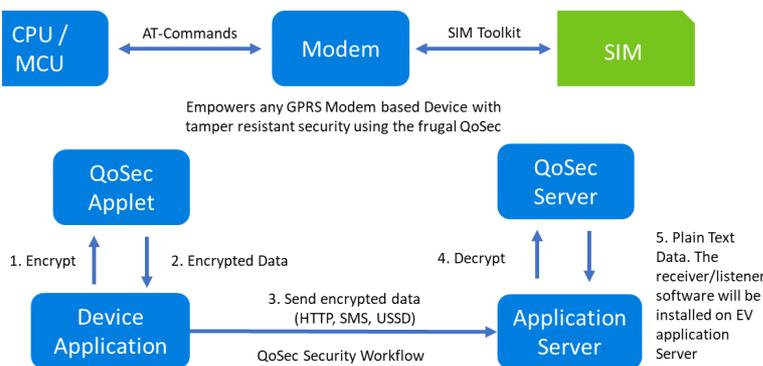
- + Quality of Service
- + Factory Ready
- + Low Cost

- + Seamless Telco Selection
- + Wide International Coverage
- + Frugal Local Country Profiles

- ✓ Multi-network, solderable, industrial grade M2M SIM card with automatic/ on-demand switching capabilities
- ✓ Any subscription can be downloaded remotely on the same SIM card across the globe, without any SIM change-REMOTE SUBSCRIPTION UPDATE
- ✓ Pluggable Cards (2FF/ 3FF/ 4FF)
- ✓ Embedded SIMs (MFF2, DFN, WLCSP)
- ✓ Standards Compliant services with Global Connectivity
- ✓ BIS16833/ AIS140 Certified
- ✓ TEC ESIM IR Compliant
- ✓ DoT M2M SIM Instructions Compliant



QoSec
Secure By Design



END-TO-END DATA ENCRYPTION

- Carrier Class Security by Design for constrained IoT devices as per TRAI recommendations
- Common Service Layer Security enablement using standards-based Auth Algorithms
- Crypto processes as approved by ETSI/ 3GPP standards
- Network and device-independent
- End-to-end security using Sensorise's QoSec application
- Distinct keyset for encryption and decryption features, ensuring complete security of malicious applications
- Easy access using SIM AT Commands



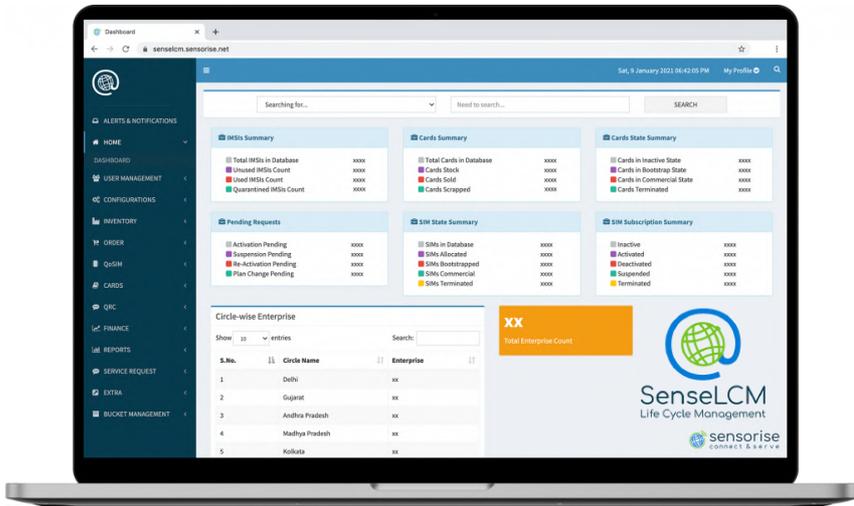
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SenseLCM

SenseLCM is a cloud-based portal that allows users to manage and control M2M QoSim services from a single platform including ordering, inventory management, lifecycle management, activation, top-ups, renewals and reactivations.

Self Care

- Order and Pay
- Activate / Suspend
- Single, Bulk Operations
- Tickets, Service Requests
- Diagnose over SMS

QoS Capability

- Remote, Automatic & Device assisted subscription selection
- Lifecycle Management from Bootstrap to Commercial to EOL

Security / Messaging

- Two way 7/8 bit messages
- OTA capabilities for SIM file Management
- Locking of QoSim to IMEI

Usage & Reporting

- Alerts module for suspension & renewal
- D-1 Usage updates
- Subscription Status

Products, Invoicing & Ordering

- Create Projects, Products, Price
- Create / Assign Plans and Discounts

API

- Full integration with open API's
- Export XML tables

Account Security

- OTP Secure Onboarding
- Role based access to Account UI and Features (User, MNO, SIMP type access)

KYC & Compliance

- KYC Application & Portal
- KYC Verification and Document Handling
- Device-SIM-Custodian map
- Lawful Intercept interface for LI Agencies

Card Management

- Manage IMSIs and eIDs
- Manage SIM Partners and SIM Cards
- Input / Output File handling

SenseTouch KYC

SenseTouch App & Portal for customer registration and verification.

End-to-end solution for secure registration of connected devices/ applications and custodian verification as per DoT e-KYC norms.



Sensorise is the market leader in M2M Services, supplying end-to-end solutions in Remote and Lifecycle Management of eSIM/ M2M SIM and IoT Devices.

As a part of Rosmerta Technologies Group, the company delivers innovation, agility, new opportunities, and outstanding execution skills with strong leadership and expertise in Telecom, Analytics, Products, and Services. We contribute to the rapid and orderly growth of the IoT and M2M domain as industry leaders, and DoT registered M2MSP, by bridging the gaps in infrastructure, technology, and services with diligent contribution to standards, policies and regulations, keeping Quality of Service as the core of our business.



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IOT ENABLED TECHNOLOGY IN EV 2-WHEELERS

MARKET GROWTH RATE

EV 2-Wheelers market is growing around the world. The rise in the demand of E-Scooters validates its role in efficient transportation.



**CAGR OF 7.8%
FROM 2022 TO
2030**

WHY EV 2 WHEELERS?



- Reliable and efficient means of transport for short distances
- Choice of products and models
- Advanced features and specifications
- Much more economical than a four-wheeler
- Affordable maintenance with low running cost
- Environmental friendly
- No parking hassles like 4-wheelers
- Best choice for easy navigation through crowded places
- Adoption of battery swapping technology for charging is a quick pick
- The connected vehicle program enhances customer experience

IOT CONNECTIVITY FOR E-SCOOTERS AND EV CHARGING STATIONS

Cellular IoT connectivity solutions plays a crucial role in shared mobility infrastructure. While battery management needs IoT connectivity, EV charging stations also cannot process transactions or track data without cellular IoT modules.

HOW IMPORTANT IS IOT/ M2M CONNECTIVITY?

IoT connectivity is certainly a key component of the electric vehicle market.

SENSORISE BUSINESS PROPOSITION



Telco agnostic

No bias for any particular choice of network.



Device agnostic

Suitable for any make and type GSM module.



Global Connectivity

Affordable global profiles of choice - local & roaming.



Pre-loaded Telco profile

Destination ready for any location.



Automotive grade, Remote Provisionable SIM

Download any profile over-the-air on the same SIM card.



Compliance

Fully compliant to regulatory standards and laws of land.



Quality of Service

Multi-network eSIM with automatic network switching capabilities and data encryption modules.

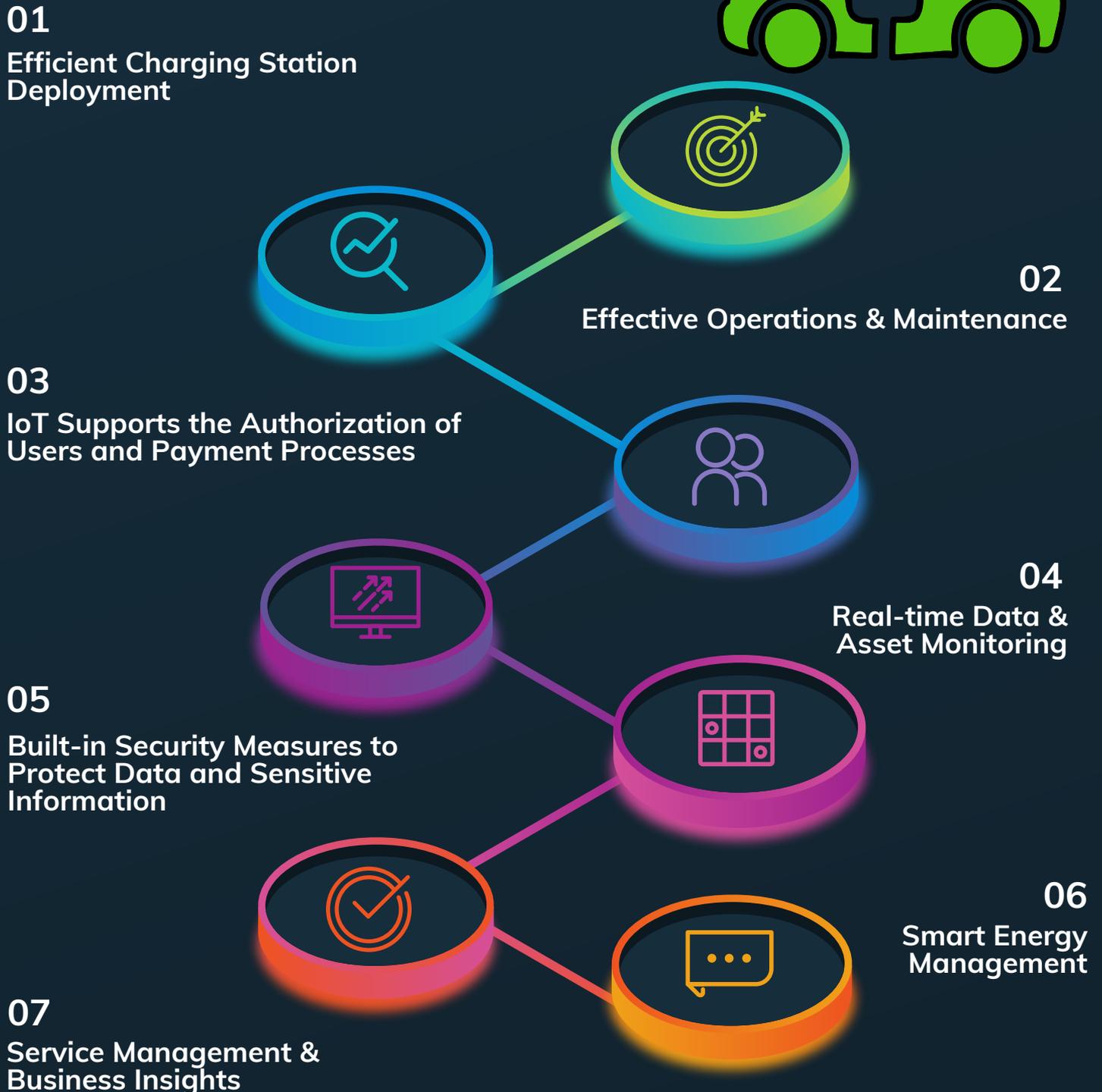


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Advantages of Cellular IoT connectivity for Electric Vehicles & Electric Charging Stations



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MANAGED CONNECTIVITY FOR ELECTRIC VEHICLES

ENABLING M2M
ADOPTION &
PROLIFERATION

Sensorise is the market leader in M2M Services, supplying end-to-end solutions in Remote and Lifecycle Management of eSIMs and IoT Devices.

VALUE BEYOND
CONNECTIVITY



STANDARDS
COMPLIANT
SERVICES

WE OFFER

MANAGED CONNECTIVITY FOR OE/ OEM

- Managed connectivity solutions for global roll-outs
- Multi-network eSIM/ pluggable M2M SIMs with automatic network switching for seamless connectivity
- Telco agnostic - Choice of networks
- Device agnostic - Compatible with any GSM-supported device/ machine
- Single API integration for all telcos
- Dedicated, single technical helpdesk for all connectivity & troubleshooting concerns
- Single SIM for local and global markets- operator profile can be downloaded remotely
- Choice of international operators with local & roaming profiles - best prices and local profiles in the country of launch
- Dedicated connectivity management platform



VALUE ADDS FOR END CUSTOMERS

- On the go, network selection using OEM application
- Choice of top-up plans based on VAS selection offered on OEM platform
- Real-time enablement
- Always on connectivity



What's QoSIm?

- IoT M2M SIM based on 3GPP Standards and GSMA Guidelines
- Telco and device agnostic, always-on connectivity with automatic network switching capabilities
- Remote provisionable services with OTA capabilities to change/ add new operator profiles on the same SIM for local and global operations
- Cloud-based SenseLCM platform for connectivity management
- SIM is available in all standard ETSI-defined form factors and grades - pluggable, embedded, WLCS, and in consumer, industrial, and automotive grades

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DIGITALLY TRANSFORMING EV PLAYERS FOR LOCAL TO GLOBAL FOOTPRINTS

INTELLIGENT CONNECTIVITY

CONNECTED CARS



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ABOUT US

Sensorise is the market leader in M2M Services, supplying end-to-end solutions in Remote and Lifecycle Management of eSIM and IoT Devices. As a part of Rosmerta Technologies Group, the company delivers innovation, agility, new opportunities, and outstanding execution skills with strong leadership and expertise in Telecom, Analytics, Products, and Services.

We contribute to the rapid and orderly growth of the IoT and M2M domains as industry leaders, by bridging the gaps in infrastructure, technology, and services with diligent contribution to standards, policies and regulations, keeping Quality of Service as the core of our business.



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Vehicle Health matters!

IoT/ M2M connectivity for CONNECTED vehicles

CHALLENGES

- Real-time data for predictive and preventive analysis to minimize frequent/ sudden vehicle break-downs
- Complex connectivity and subscription models for M2M/ IoT communications
- Unreliable connectivity and poor Quality of Service
- Cybersecurity for proprietary design and vehicle health vitals
- Regulatory compliances

SOLUTIONS

SINGLE eSIM for multiple profiles with automatic network switching capability. Change of operator, network, troubleshooting, etc. can be performed remotely "over-the-air", without any SIM change.



Secure IoT
Connectivity



Quality of
Service



Data Analytics
and Lifecycle
Management

BENEFITS

Real-time data

1

The multi-profile feature enables quality of service with uninterrupted connectivity by automatically switching to the secondary network on the loss of the primary network.

Remote subscription update

2

Expertise in implementing over-the-air solutions to support industry requirements such as operator change, network switching, remote diagnostics, etc. NO SIM replacement required.

Cybersecurity and sectorial compliance

3

End-to-end encryption for secure data transmission, fully compliant to DoT, TEC guidelines.

Platform as a Service for SIM Lifecycle Management

4

Cloud-based portal with advanced dashboard features for remote SIM management, diagnostics, reporting and analytics.

At a glance

The automobile industry is massively evolving with technology and innovation-led design manufacturing, powered by M2M communication. CONNECTED vehicles are the gateway to the new ecosystem of embedded sensors, electronics, hardware, and intelligent connectivity.

Vehicle Telematics - Let the machine talk!

Each sensor and embedded mechanic component assembled to design the vehicle speaks about its vitals, health state, etc. which is very important information for the automobile segment for building greater efficiency and insights into business operations. Real-time information and alerts about vehicle health and key parameters are reshaping the automobile ecosystem with precise data intelligence and analytics.

Key metrics

- Multi-profile M2M SIM
- In-built network switching capability
- Remote Diagnostics
- Remote Subscription Management
- Strong digital identity with encryption security



OE/ OEMs partners





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SenseLCM

Solution for Life Cycle Management of the
Internet of Things
Multi-Operator SIM

Deliver devices that work anywhere in India with automatic network selection

- Two or three pre-selected Telcos
- Bootstrap subscription ensuring devices work at the first power-on or activation
- Mobile subscription selection by telecom circle during device life-cycle
- Switch the fleet to alternate Telco in the future
- Seamless fall back to a second Telco in case of coverage problems
- Subscription lifecycle management (activate/ deactivate)

SenseLCM will ensure that subscriptions can be changed in an easy way without having to physically access the device.

Benefits of SenseLCM

- Multi-IMSI SIM is proven in the Indian market
- Hassle free management of connectivity and logistics of SIM management
- The users/ fleet is assured of the best coverage possible, and if they re-locate or move across telecom circles, subscription switches to one that suits them the best
- SenseLCM is secure, based on ETSI standards
- Offers Aadhaar authentication for e-KYC
- Utilize SenseLCM and the Java SIM for security and comfort (IMEI locking, Fixed Dialing Numbers)

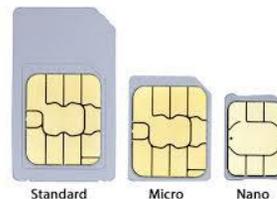
The Industrial Java SIM

Functionally Identical to a traditional slot-in SIM

- Sits in the existing Device SIM tray
- Up to three (3) Telco profiles
- Communicates over Data with fall back to SMS

Highly robust in extreme environments

- Operating Temperature $-25^{\circ}\text{C} + 85^{\circ}\text{C}$
- Min. 100,000 erase/ write cycles
- Data retention up to 10 years



Provide the best service quality possible

Improving Quality of Service:

- Select Telcos based on Telecom circle
- Choose from amongst best-fit plans
- Automatic selection of Network based on coverage or remote selection based on other criteria
- Get early warnings on abnormal subscription use



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SenseLCM

Solution for Life Cycle Management of the
Internet of Things
e-SIM
(subject to government approvals)

Factory ready embedded SIM

Enable manufacturing and distribution of devices without worrying about subscription or destination location

- Bootstrap subscription to ensure the device is connected at the first power on
- Create and download a new mobile subscription with the device still in the field
- Change mobile subscription at any time during device life-cycle
- Seamless fall back to a second Telco in case of coverage problems
- Manage the lifecycle of mobile subscriptions on the UICC (create/ activate/ deactivate/ delete)

SenseLCM will ensure that subscriptions can be changed in an easy way without having to physically access the device.

Benefits of SenseLCM

- Proven in several international markets
- Embedded during PWB assembly
- The users/ fleet is assured of the best coverage possible, and if they re-locate or move across telecom circles, subscription switches to one that suits them the best
- SenseLCM is secure and as per ETSI Standards and GSMA guidelines
- Offers Aadhaar authentication for e-KYC
- Utilize SenseLCM and the eUICC for security and comfort (IMEI locking, Tracking, QoS Monitoring)
- Built-in payment options for the user and plan selection make it easy to set-up or make changes

The Embedded SIM or eUICC

Functionally identical to a traditional slot-in SIM

- Intended for manufacturing process, delivered as component rolls
- Form factor enables easier PCB placement
- Vibration, Humidity, Dust & Tamper resistant, enables creation of hermetically sealed devices

Highly robust in extreme environments

- Operating Temperature $-40^{\circ}\text{C} + 105^{\circ}\text{C}$
- Endurance up to 500,000 cycles at max temp
- Data retention up to 15 years at max temp

* UICC also available in 2FF form factor



MFF2

Mini

Provide the best service quality possible

Improving Quality of Service:

- Select Telcos based on Telecom circle
- Choose from amongst best-fit plans
- Automatic selection of Network based on coverage or remote selection based on other criteria
- Get early warnings on abnormal subscription use
- Future proof

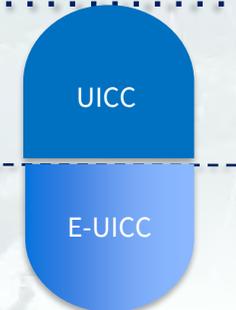
Test Services: Future-proof Technology



Commercial Services: Future-proof Technology

Future Proof

- + Quality of Service
 - + Factory Ready
 - + Low Cost
-
- + Seamless Telco Selection
 - + Wide International Coverage
 - + Frugal Local Country Profiles



You "Make-IoT-in-India", we connect your smart things instantly.
 Its that simple. One Platform. One Access. One Bill. 700+ Networks.
 Call us today for your multi-country IoT plans (190+ countries)

Americas | USA, Canada, Aruba, Anguilla, Argentina, Antigua & Barbuda, Bahamas, Belize, Bermuda, Bolivia, Bonaire, Brazil, Barbados, British Virgin Islands, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Cayman Islands, Dominica, Dominican Republic, Ecuador, El Salvador, French Guyana, Guadeloupe, Grenada, Greenland, Guatemala, Guyana, Honduras, Haiti, Jamaica, Martinique, Saint Barthelemy, Saint Kitts & Nevis, Saint Lucia, Saint Martin, Surinam, Mexico, Montserrat, Nicaragua, Panama, Peru, Puerto Rico, Paraguay, Turks & Caicos Islands, Trinidad & Tobago, Uruguay, Saint Vincent & the Grenadines, US Virgin Islands and Venezuela.

Middle East | UAE, Bahrain, Iran, Israel, Jordan, Kuwait, Lebanon, Oman, Palestine, Qatar, Saudi Arabia and Yemen.

Europe | Albania, Andorra, Austria, Belgium, Bosnia & Herzegovina, Belarus, Cyprus, Czech Republic, Croatia, Denmark, Estonia, Finland, France, Faroe Island, Jersey, Germany, Gibraltar, Greece, Hungary, Ireland, Iceland, Italy, Kosovo, Liechtenstein, Lithuania, Luxembourg, Latvia, Monaco, Moldova, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Republic, Serbia, Slovakia, Slovak Republic, Sweden, Switzerland, Turkey, Ukraine, Vatican City and United Kingdom.

Asia | Afghanistan, Armenia, Azerbaijan, Bangladesh, Brunei Darussalam, Cambodia, China, East Timor, Georgia, Hong Kong, India, Indonesia, Japan, Kazakhstan, Kyrgyzstan Republic, Laos, Macao, Maldives, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Singapore South Korea, Sri Lanka, Taiwan, Tajikistan, Thailand, Uzbekistan and Vietnam.

Africa | Angola, Algeria, Burundi, Benin, Burkina Faso, Botswana, Central African Republic, Ivory Coast, Cameroon, Chad, Democratic Republic of Congo, Congo Brazzaville, Cape Verde, Djibouti, Egypt, Ethiopia, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea, Kenya, Libya, Lesotho, Madagascar, Mali, Malawi, Mauritania, Mauritius, Mayotte, Morocco, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Senegal, Seychelles, Sierra Leone, South Sudan, South Africa, Swaziland, Tanzania, Togo, Tunisia, Uganda, Zambia and Zimbabwe.

Oceania | Guam, Kiribati, New Caledonia, New Zealand, Papua New Guinea, Tonga and Vanuatu.

Enabling M2M adoption & proliferation

Local to Global - Sensorise QoSim™ Globe



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- Choice of Remote Subscription update over-the-air with LOCAL profile at deployment site
- Global Connectivity
- Always ON



Sensorise Remote Provisionable card
(Global Connectivity)



- Factory Fitment
- Bootstrap Activated

