

SMARTGREEN TECHNOLOGY



SMART LIGHTING
SMART UTILITIES
SMART CITY SOLUTIONS

By SG WINS IoT PLATFORM

SG WINS – IoT PLATFORM



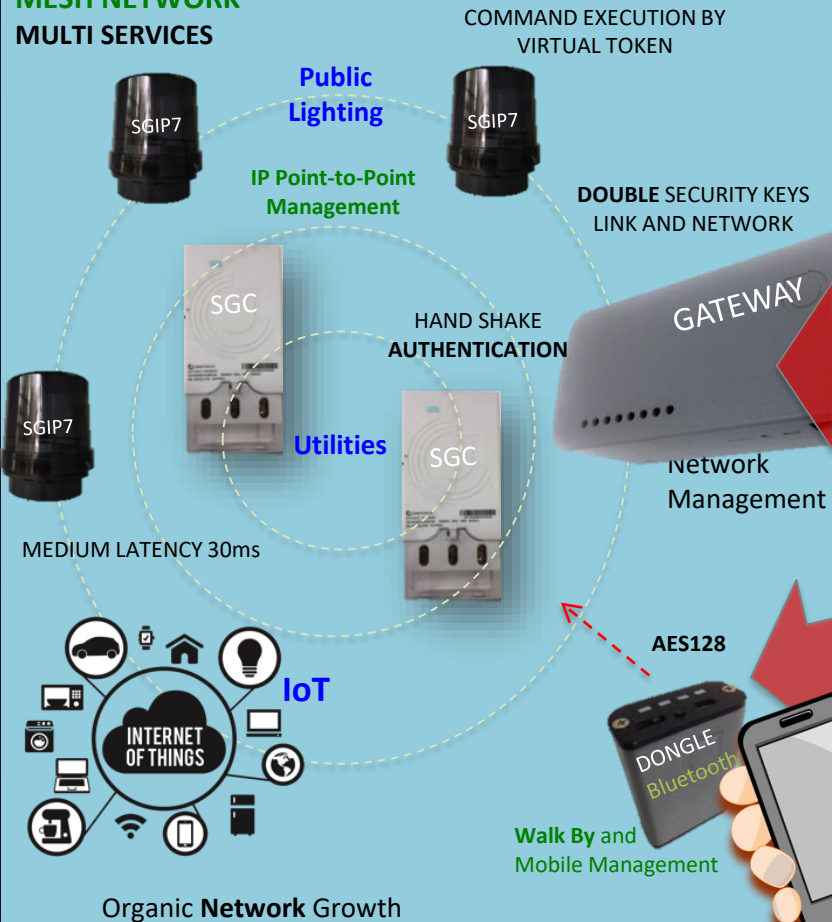
Wireless Infrastructure Network System

- PLATAFORMA FIM A FIM (HW, NETWORK AND SW)
- HARDWARES COM MANUFATURA CONSOLIDADA
- TECNOLOGIA TESTADA E APROVADA EM CAMPO
- REDE RF MESH MULTISERVIÇOS COM BANDA COMPATÍVEL A ESTA FINALIDADE
- INTEGRAÇÕES FLEXÍVEIS VIA APIs
- PADRÕES GLOBAIS DE CYBERSECURITY
- ESCALABILIDADE TOTAL

PHYSICAL LAYER

Remote devices, Mesh Network, Management

MESH NETWORK MULTI SERVICES



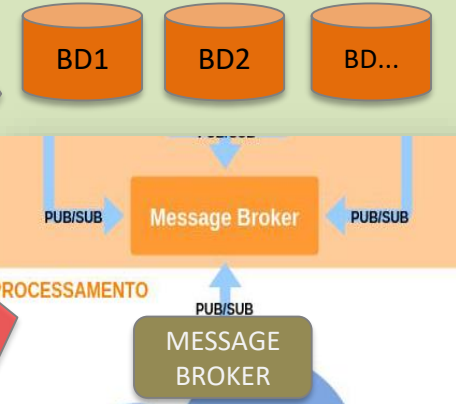
SG MESH NETWORK

PROCESSING LAYER

Message Broker, MQTT, Big Data, Micro Services

CLOUDING COMPUTING

Micro Services Processing

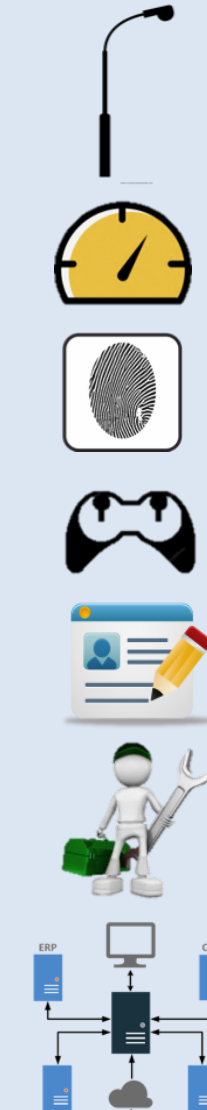


SG BROKER INTEGRATIONS

APPLICATION LAYER

Web, Mobile, API's, BI, Analytics

A P I G A T E W A Y



PUBLIC LIGHTING

UTILITIES
CONTROL

ACCESS
CONTROL

COMANDS

REGISTERS

FIELD
OPERATION

INTEGRATIONS

MAPS,
DASHBOARDS,
GRAPHICS,
REPORTS,
ANALYSES,
EVENTS,
ALARMS,
SERVICES,
MATERIALS,
MOBILE APPS

SG SERVICES APPLICATIONS

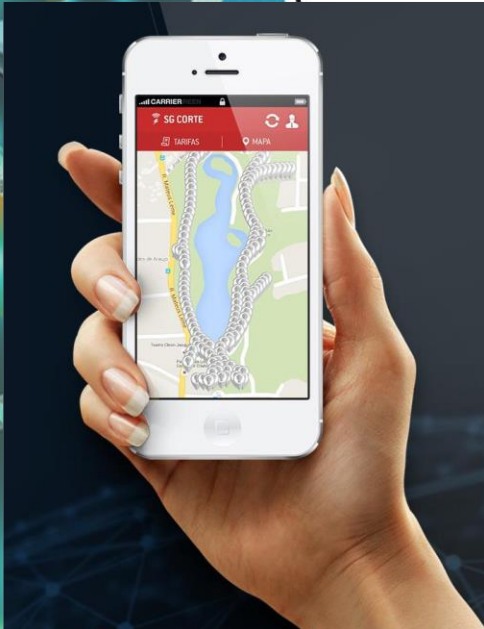
SG GATEWAY



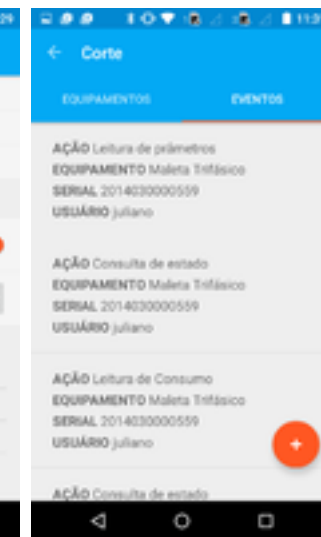
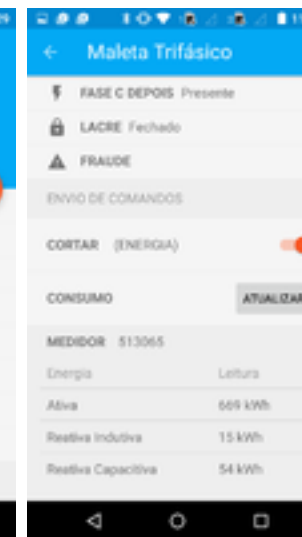
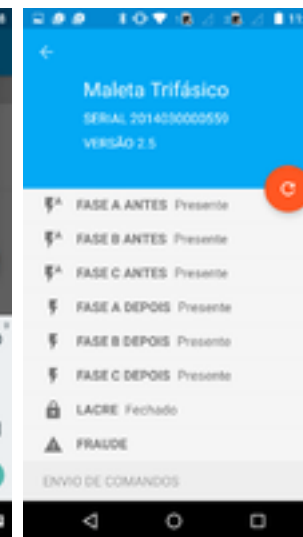
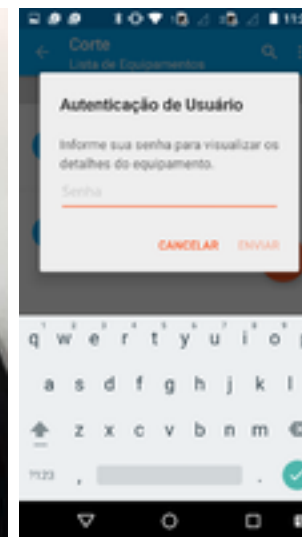
SG MESH REPEATER



SG MOBILE MESH BT BRIDGE

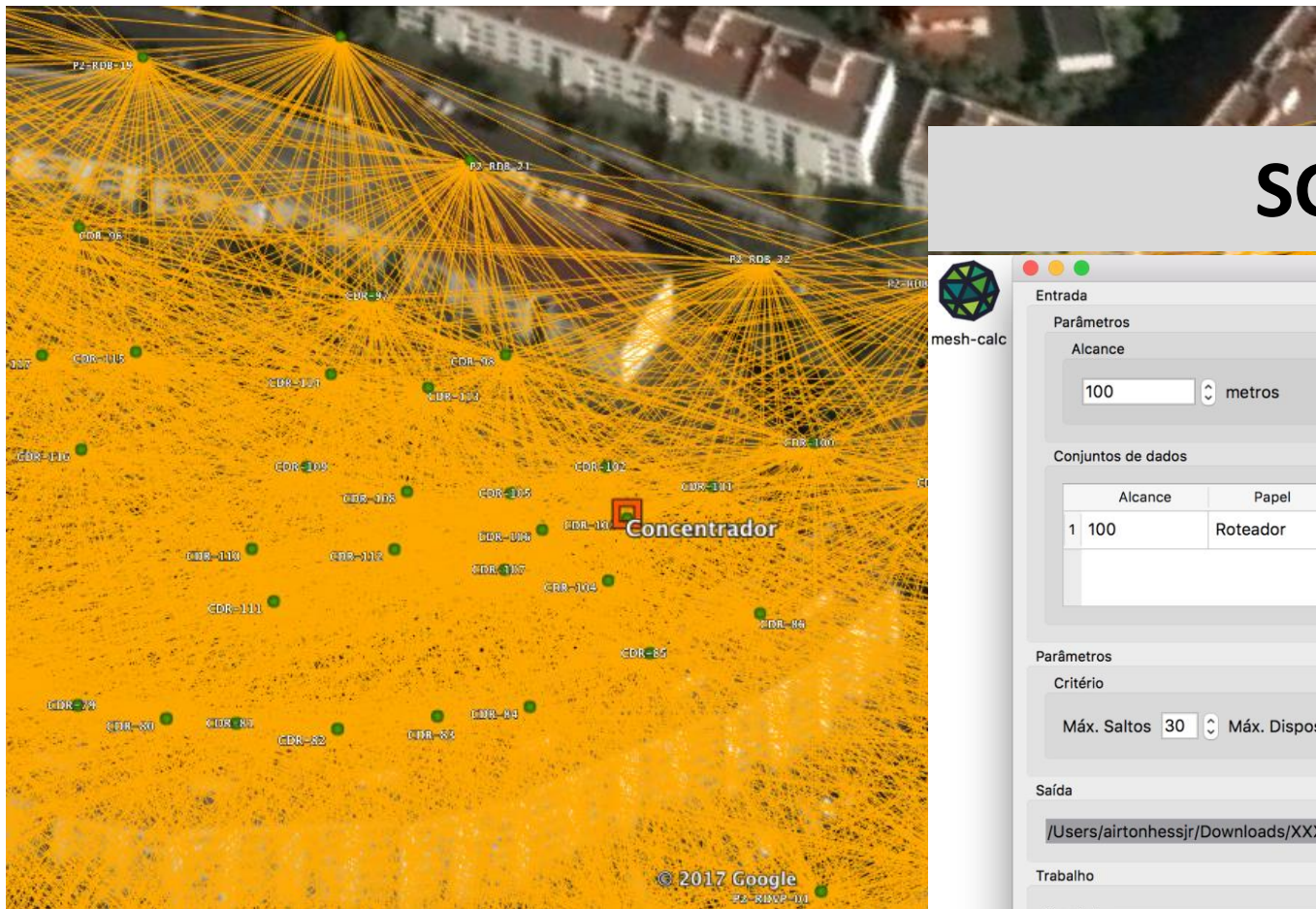


- ✓ APP ANDROID
- ✓ COMISSIONAMENTO DE CAMPO / CADASTRO E GEORREFERÊNCIA
- ✓ CONTINGÊNCIA OPERACIONAL NO LOCAL



MESH Calc Software

MESH NETWORK SURVEY AND NETWORK DESIGN



SGMeshCalc SOFTWARE



mesh-calc - Versão:v0.1-RC1 @ Oct 6 2017, 21:33:43

Entrada

Parâmetros

Alcance

100 metros

Papel do dispositivo

☒ Roteador ☐ Dispositivo final

Acesso físico

☒ Livre ☐ Restrito

Controles

Conjuntos de dados

	Alcance	Papel	Acesso	Arquivo
1	100	Roteador	Livre	/Users/airtonhessjr/Documents/SMARTGREEN/ PROJETOS/ MESH CALC/EDP DNP3.kml

Parâmetros

Critério

Máx. Saltos 30 Máx. Dispositivos 65000 Mín. Dispositivos 20

Método

☒ Lógico ☐ Geoespacial

Gerar

☒ Malha ☒ Árvore ☒ Órfãos ☒ Filhos ☒ Raiz

Saída

/Users/airtonhessjr/Downloads/XXXXMESHCALC.kml

Trabalho

Parcial:

Total:

STREET LIGHT END POINTS

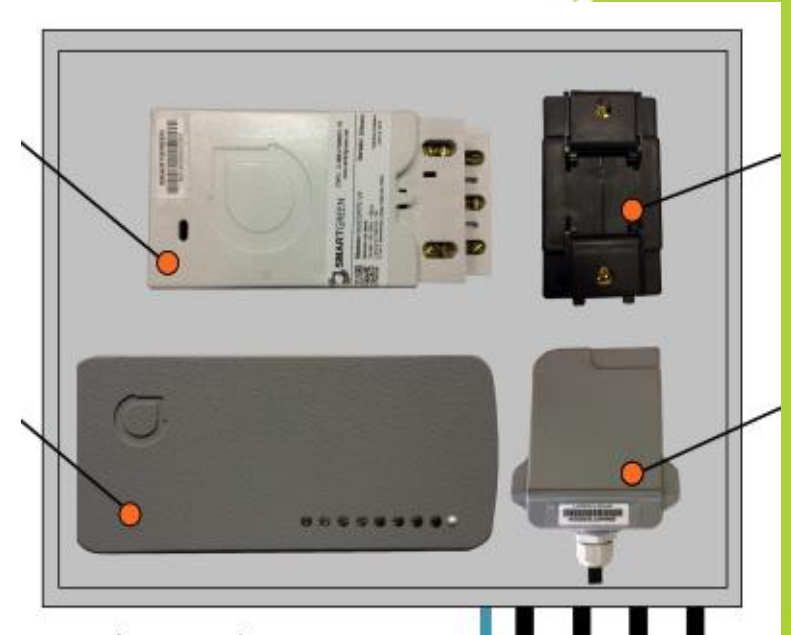
SGIP NEMA 7



SGIP BOX

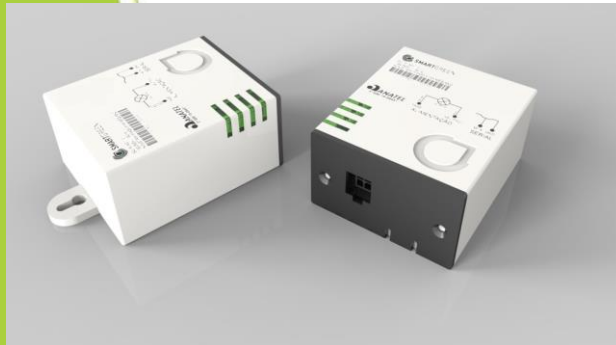


SGIP CIRC - GROUPS



SMART METERING END POINTS

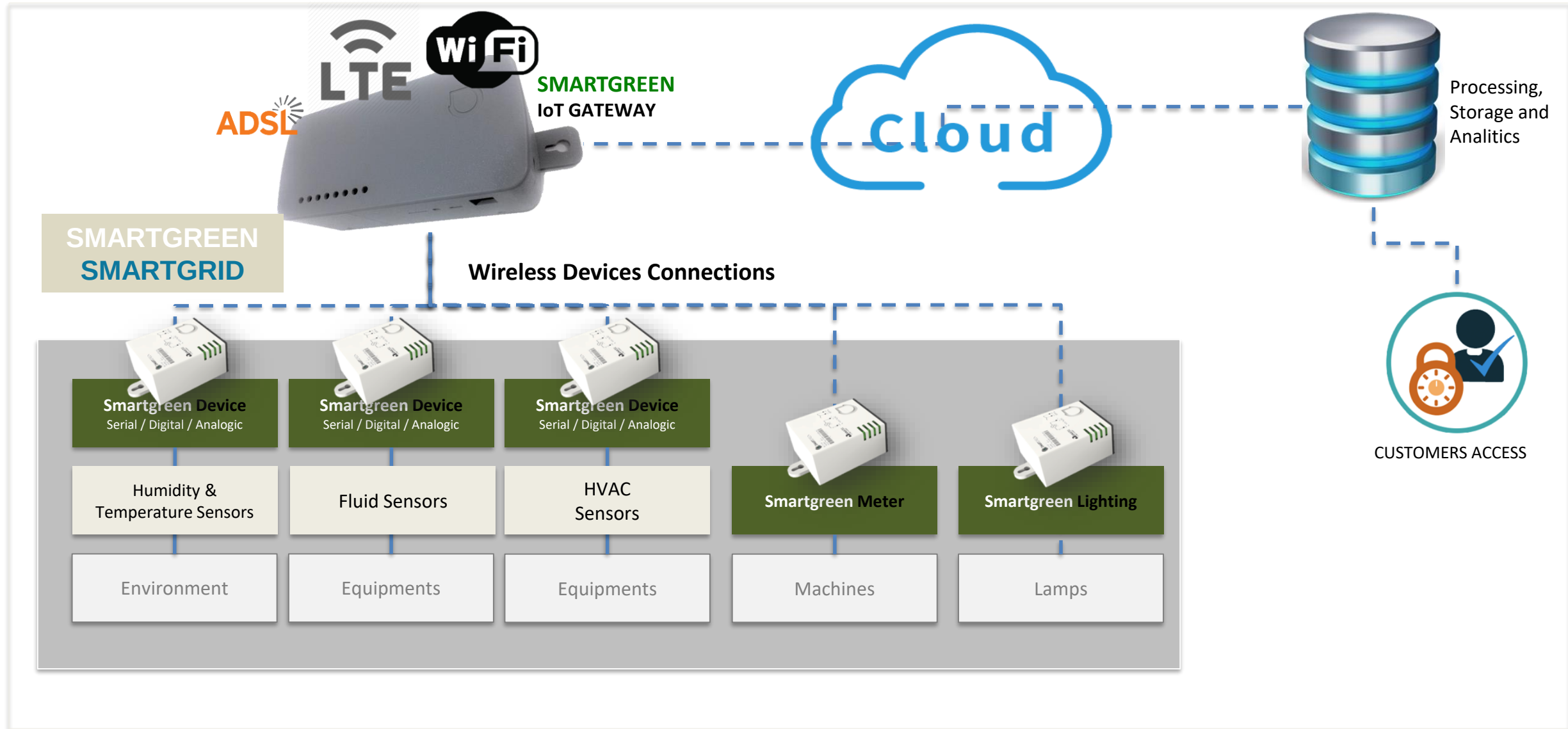
EXTERNAL MODULES



SMART METER NIC



IoT – Indústria 4.0



SISTEMA DE GERENCIAMENTOS DE SERVIÇOS INTEGRADOS

INDÚSTRIA 4.0 - IoT



PARCEIROS DE TECNOLOGIA

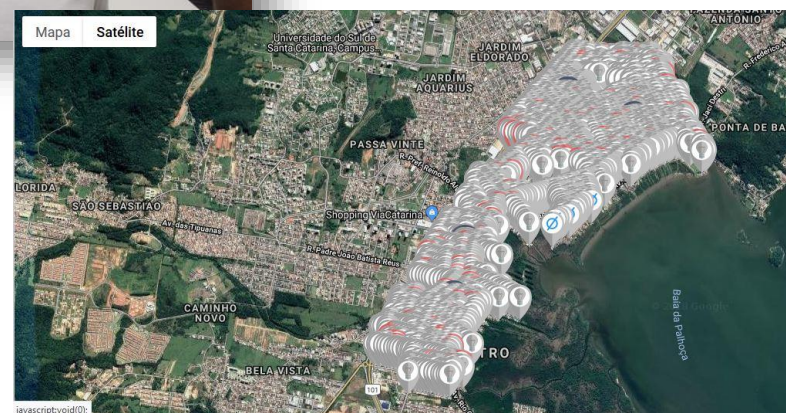
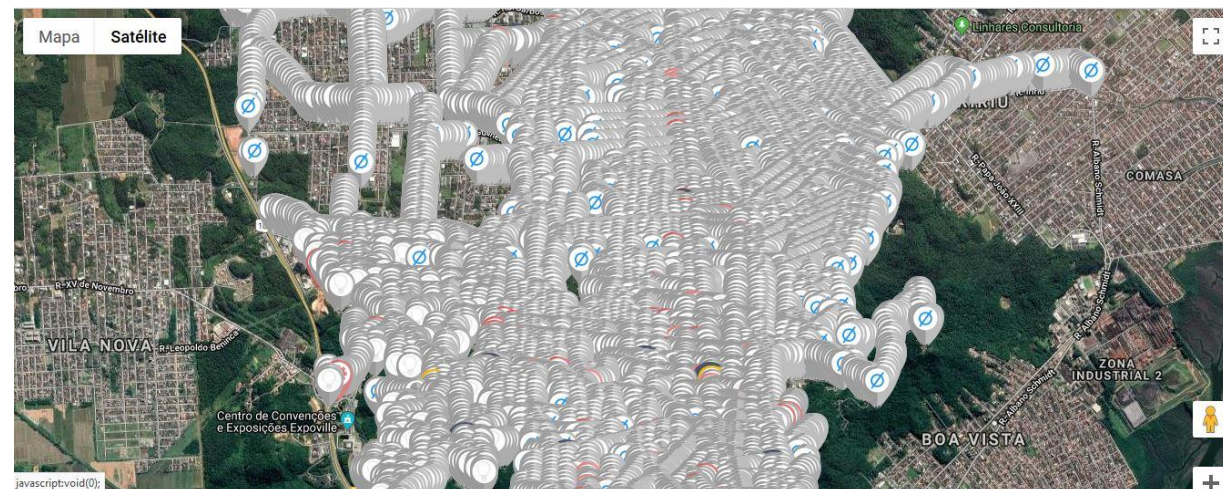


CASES DE SUCESSO

1º PROJETO DE SMARTCITY DE SERVIÇOS INTEGRADOS GUARATUBA-PR



+ DE 30.000 PONTOS CONECTADOS
NA PLATAFORMA SG WINS



CLIENTES



RECONHECIMENTO



ENERGY START

2018

TWO AWARDS:

- GLOBAL PARTNERSHIPS
- SILICON VALLEY

OBRIGADO!

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SMARTGREEN
TECHNOLOGY