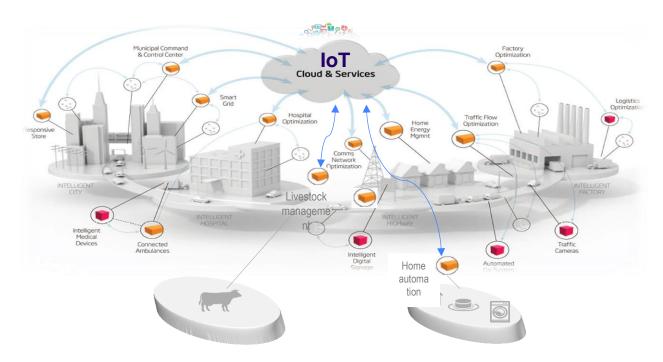


"A 1ª. Rede IoT Nacional: conectividade de baixo custo, alta cobertura e baixo consumo de bateria"

17 de Abril de 2018

Fabiano Costa – WND – Gerente de Vendas e Desenvolvimento de Negócios

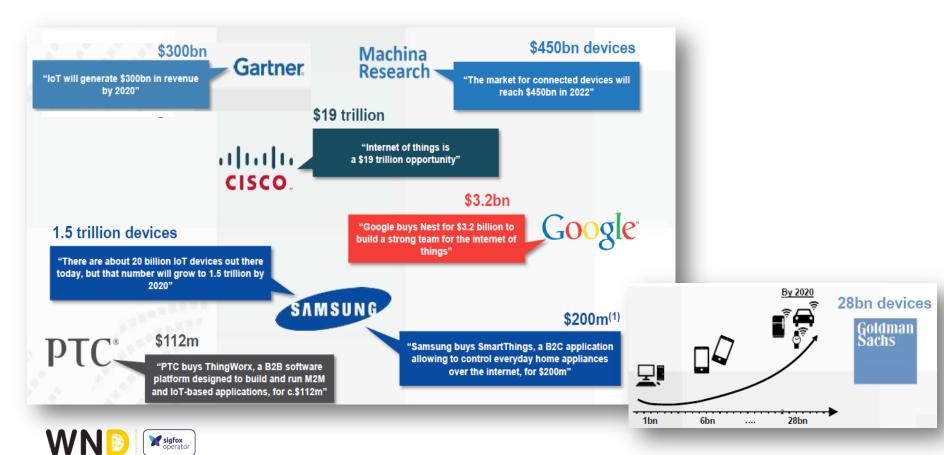
IoT connects things to the Internet to make them come alive





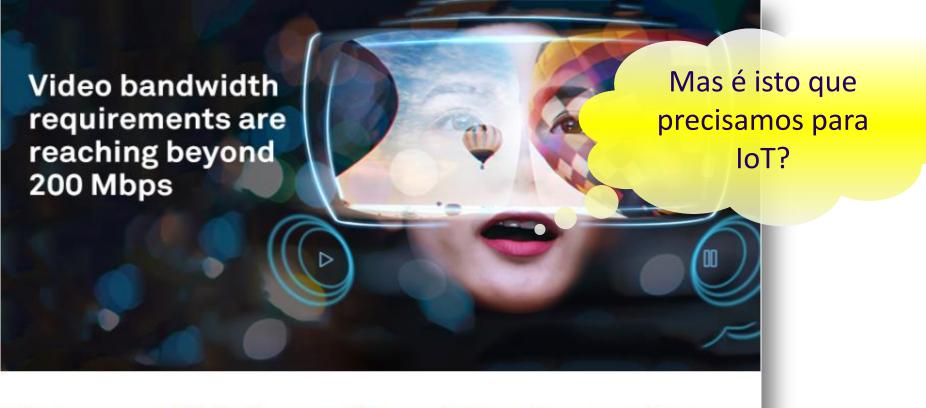


IoT no Mundo

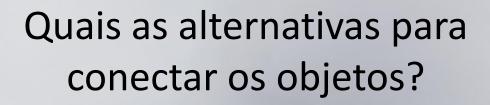


Mercados Verticais para IoT



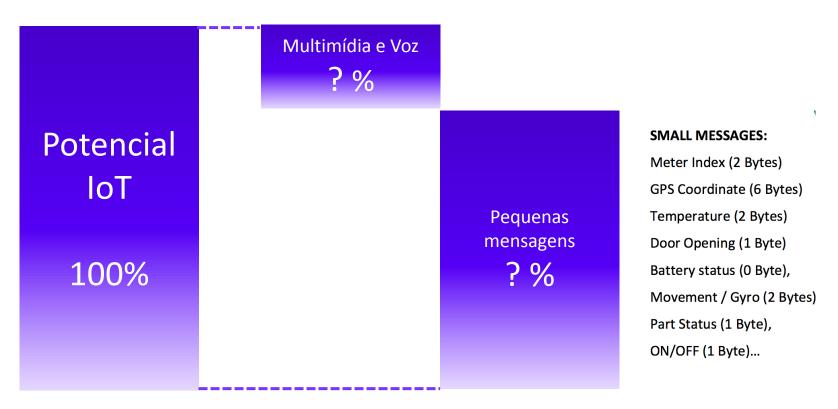


The era of high quality video is coming. Bandwidth requirements will reach beyond 200 Mbps.





Nem tudo precisa de banda larga...







E as redes atuais não foram criadas para IoT







Cobertura Ampla (Wide Area)

Altas taxas de transferência

Alto consumo de bateria

Alto custo

Necessidade de SIM card

Conectividade Local

Altas taxas de transferência

Alto consumo de bateria

Baixo custo

Necessidade de pareamento

Conectividade Local

Baixas taxas de transferência

Baixo consumo de bateria

Baixo custo

Necessidade pareamento







- Criada em 2010, na França, + 20 patentes
- Recebeu \$309.7M de aporte de 22 Investidores























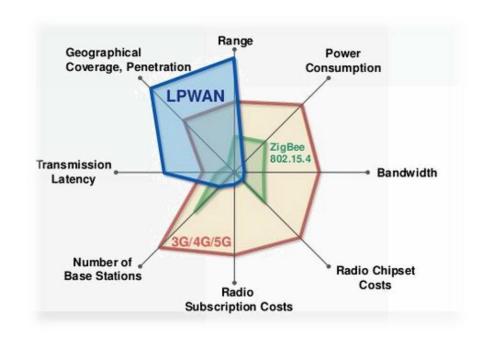






LPWA surge como uma rede complementar

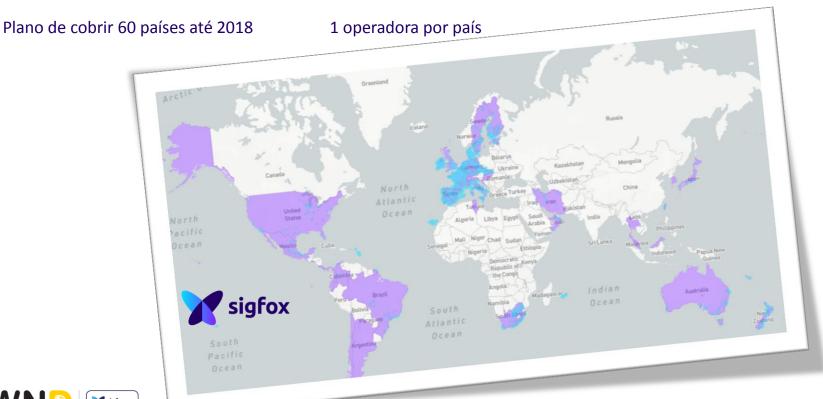
- Grande Cobertura
- Baixo Consumo de energia
- Baixo Custo de dispositivo / conectividade
- Normalmente em Frequência não licenciada







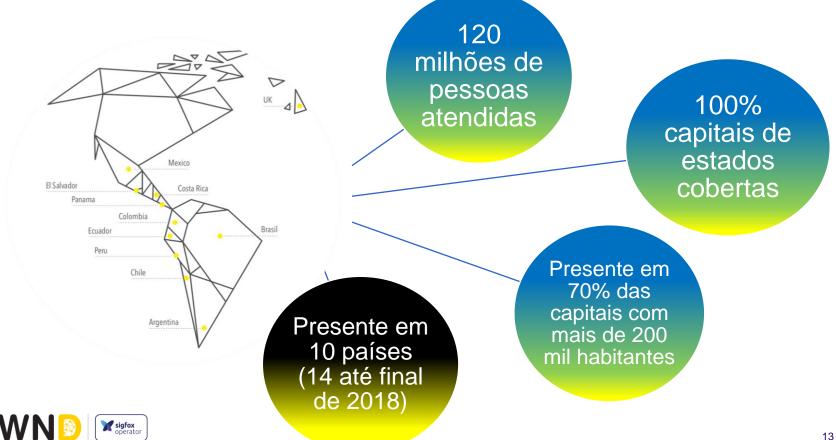
Sigfox: uma única rede presente em 45 países

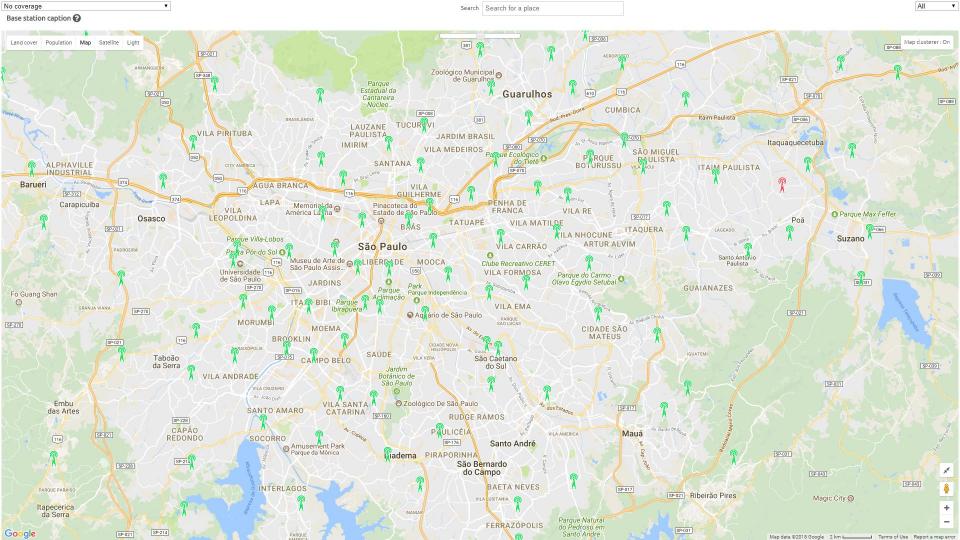


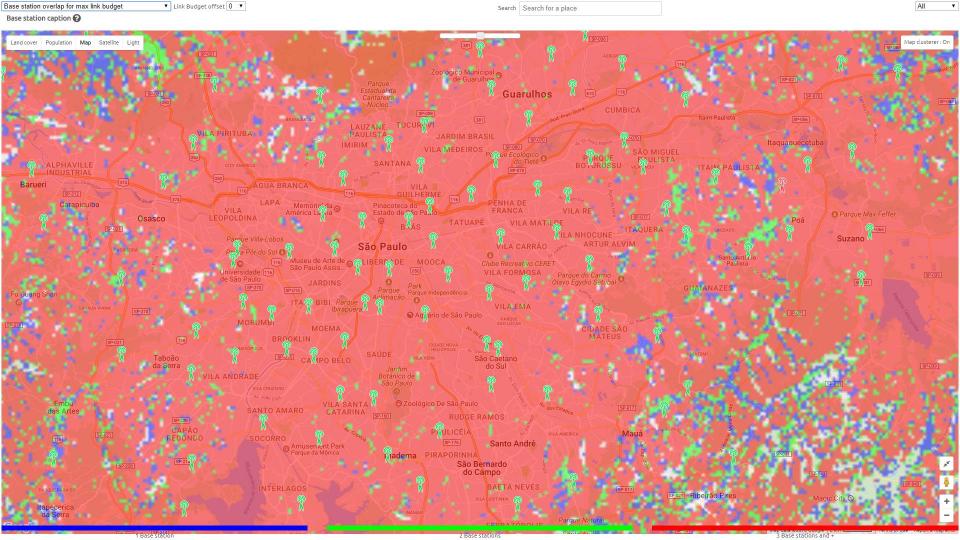


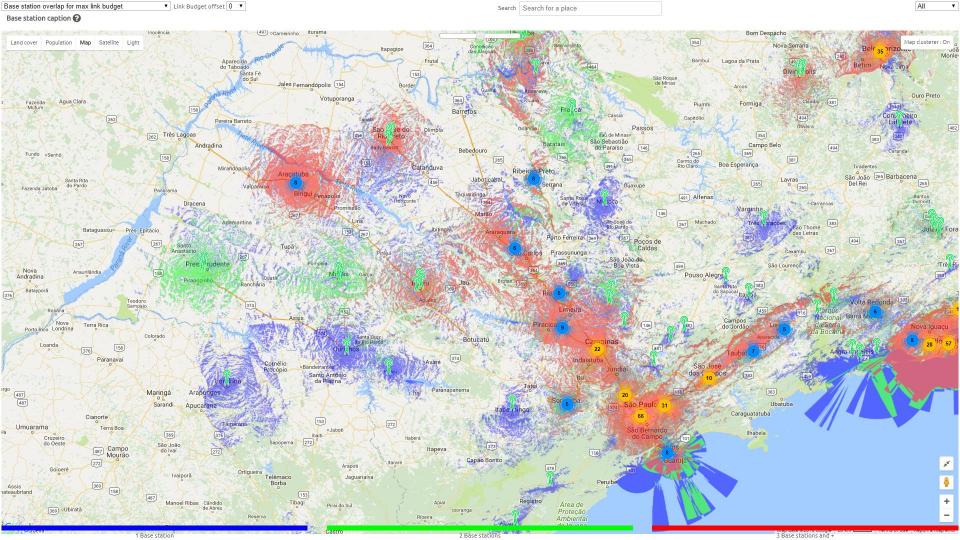


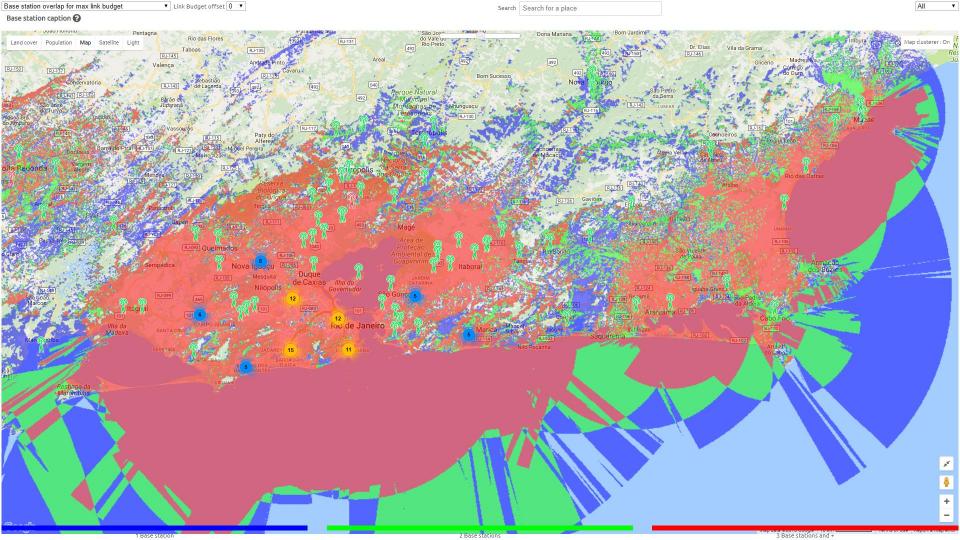
WND: a operadora Sigfox na América Latina e Reino Unido

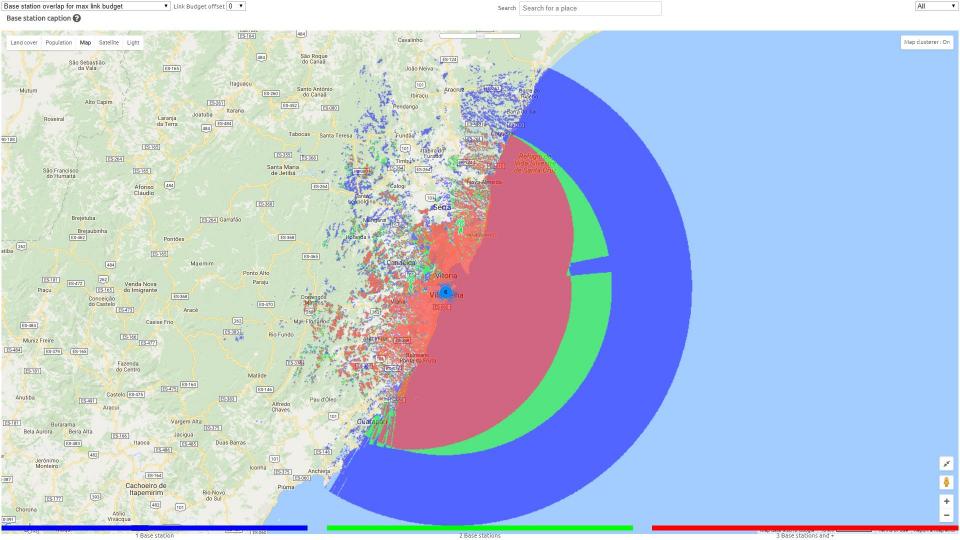


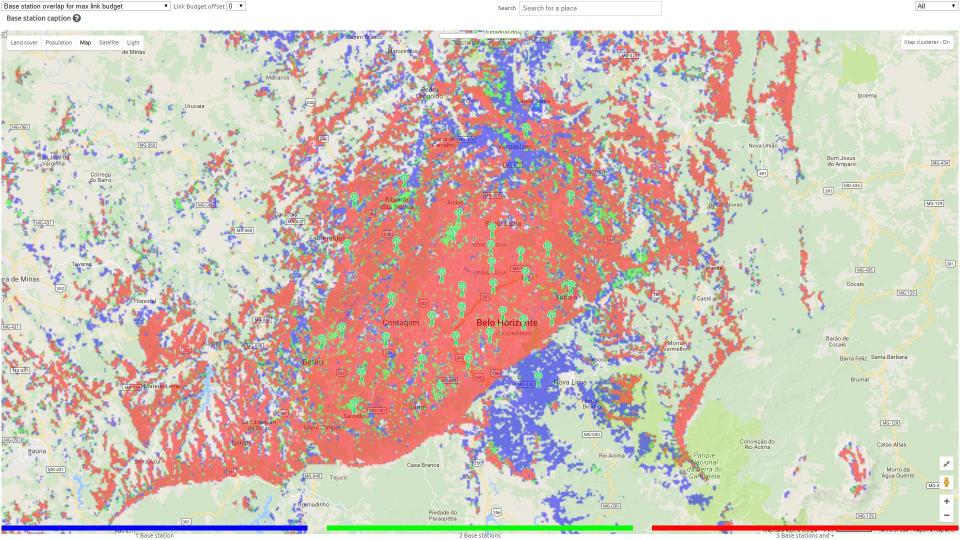


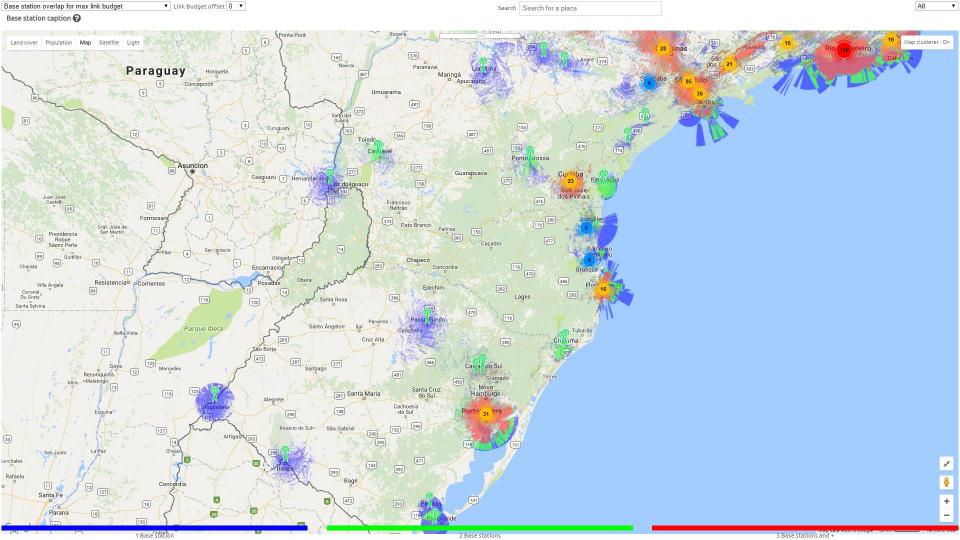


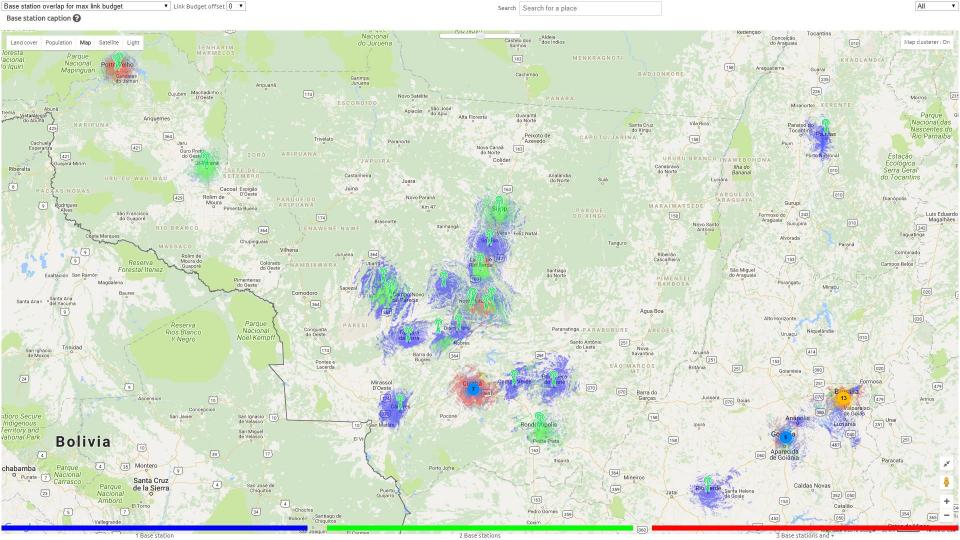


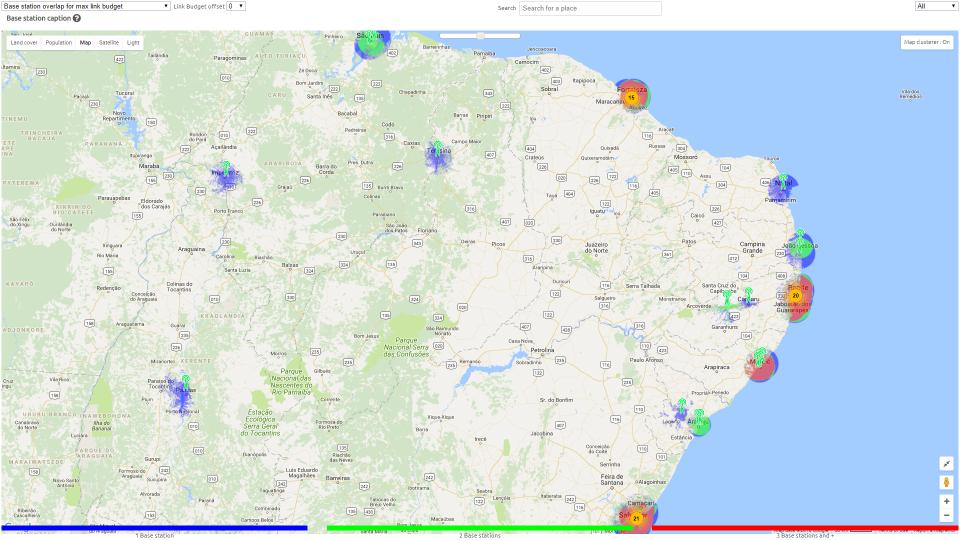




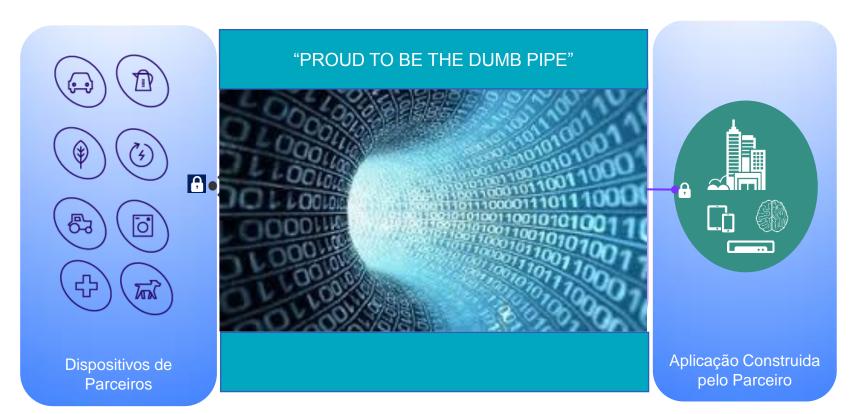








A proposta Sigfox







Preço dos modens

Module price \$10 \$8 **NB-IoT** \$6 **sigfox** \$4 \$2 2014 2015 2016 2017 2018 2019 2020 2021

Módulos NB-lot foram lançados a \$15 e se espera alcancem \$5.00 com o tempo

Módulos Sigfox hoje já custam \$2.60 e devem chegar a \$1.00 com o tempo.







Innocomm Modem





Preço da conectividade

Estrutura de preços simples:

Única para todos os canais

2 dimensões:

Número de dispositivos

Número de mensagens

Preços estruturados em Planos:

Plano	Mensagens Upload	Mensagens Download
Platinum	140	4
Gold	100	2
Silver	50	1
One	2	0



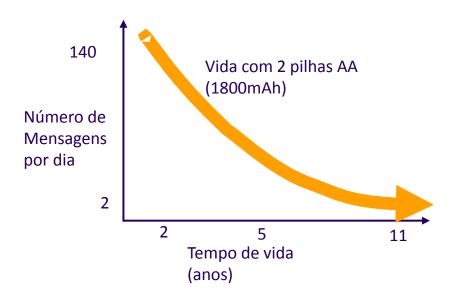
Número de Dispositivos

por dia





Baixo consumo de energia



Baseado no Modem WISOL

Calculado para o modo "FCC/ANATEL"

Considera apenas a energia usada na comunicação







You can now buy a \$370 luggage tracker to look after your \$2,800 Louis Vuitton suitcase





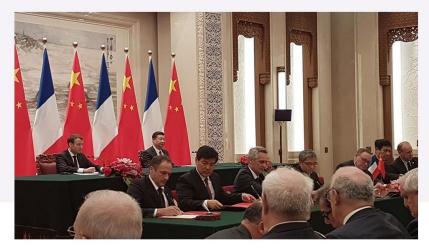








Senioradom & Sigfox sign new partnership to be developed in Chengdu, China



An innovative and revolutionary solution

Senioradom and Sigfox have developed a telecare solution made up of different movement sensors and door opening detection, as well as an alert and geo-localisation necklace. The solution has been designed to opening decection, as well as an alert and geo-localisation necklade. The solution has been designed to a fall, a person feeling faint or a deteriorating automatically detect any potential behavioural anomalies due to a fall, a person feeling faint or a deteriorating. automatically detect any potential benavioural anomalies due to a rati, a person reeling raint or a deteriorating mental condition such as Alzheimer's. Thanks to the autolearning algorithms developed by Senioradom, which mental condition such as Alzheimer S. Frianks to the aucolearning algorithms developed by senioradom, which have been operating successfully in France for the past 3 years, together with Sigfox's technology that allows nave peen operating successfully in France for the past 3 years, together with sign of 3 technology that allow the transmission of data at a very low cost and with minimum energy use, this innovative solution will allow the transmission or data at a very low cost and with minimum energy use, this innovative solution will allow different cities in China to better protect their elderly populations by anticipating risks and acting faster in emergencies.





Smart Parking by Sigmais

Problems solved

Optimize the management of parking spaces Builds statistics to optimize the usage of the parking Monitors specific permits for parking places

Solutions

The device detects the presence of a car through magnetic sensing and reports it through the Sigfox network, creating a callback message or a visual output available on a cloud management platform.

It can be used to minimize traffic congestion and all related drawbacks

Benefits

Reduction of driving time

Reduction of parking congestion

Less pollution (CO2)

Optimization of city resources

Operations cost reduction

Enhanced mobility

Increase in safety

New revenues from fining





http://www.sigmais.com.br/?lang=en-us



A Rede Sigfox já está presente no Brasil

- Ampla Cobertura de Rede
- · Robustez contra ação de Jammers
- Baixo preço de dispositivos (<10USD)
- Baixo preço de conectividade (<1USD / Ano)
- Baixo Consumo de energia (Anos de vida usando baterias normais)
- Ecossistema de dispositivos específicos para cada aplicação

Obrigado!





A Operadora das Coisas!

Fabiano Debastiani Costa

WND – Gerente de Negócios