

## M2M Market

- The total M2M connections will grow from 62 million in 2010 to 2.1 billion in 2020, with an annual rate of 36%.
- M2M connections will be 19% of the total amount of mobile connections in 2020, with mobile carriers reaching €40 billion revenue in this €714 billion market.

## M2M Problems



### Increasing Fraud

- ❑ Fraud growing due to M2M services
- ❑ M2M companies out of market
- ❑ Millions in lost revenue by carriers

### Public IPs Availability and Security

- ❑ Public IPs are a limited resource
- ❑ Unwanted traffic from hackers, search robots, and other attacks when using public IP addresses.

### Asset Management Problems

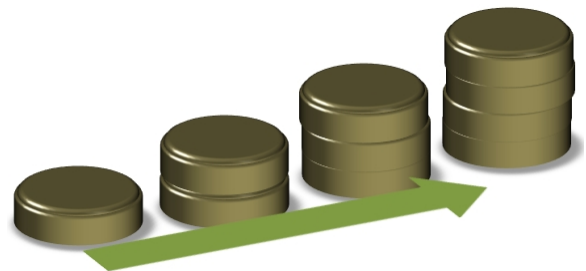
- ❑ Bandwidth is an expensive resource
- ❑ Customers don't acknowledge data cost in phone their bills
- ❑ Revenue loss due to lack of management capabilities for Assets and Chips.

## M2M Applications

- ❑ Vehicle tracking – GPS
- ❑ Logistics Management
- ❑ Public Transportation
- ❑ Security and Asset protection companies
- ❑ Utilities
- ❑ Payment Systems
- ❑ Sales Force Automation
- ❑ E-Health
- ❑ ATM's

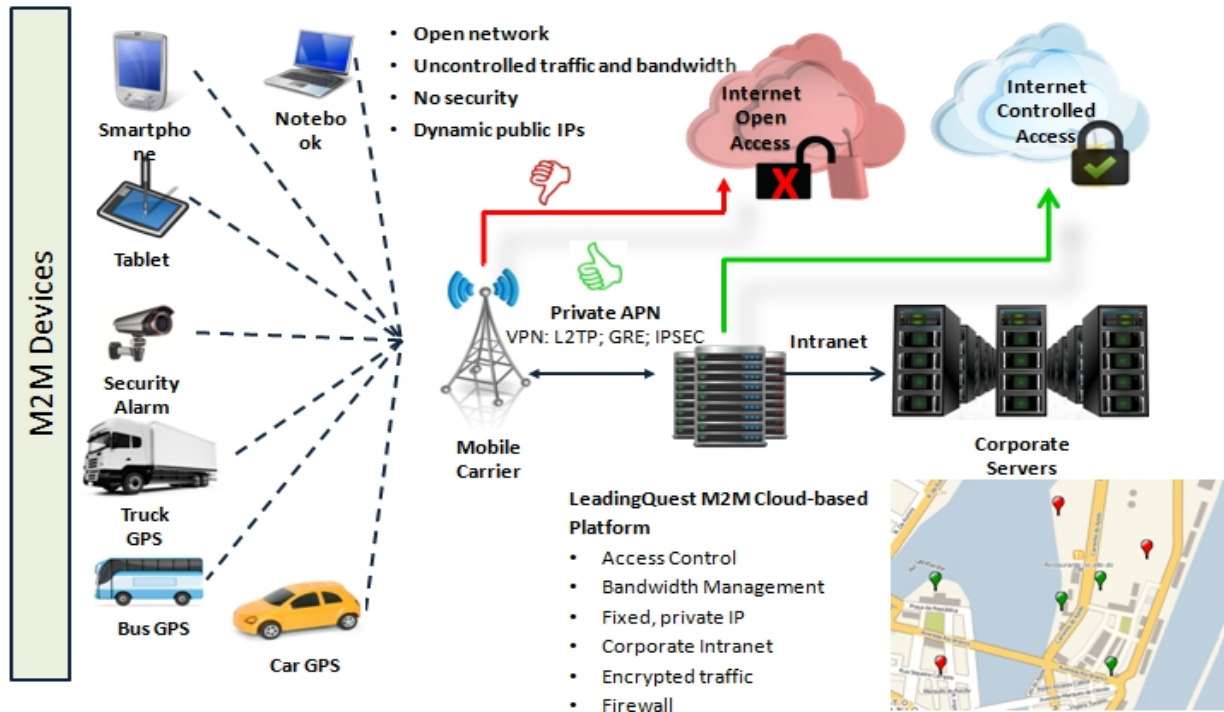
## Our M2M Solution

- Private APN and M2M Platform
- M2M Corporate Intranet
- Static, private IP's
- Asset manager for equipments and SIM cards
- Bandwidth and internet data control
- Access Control with firewall
- CDR (call detail record) for managerial reports
- Safety and revenue guarantee
- Fraud prevention and detection



## Cloud-based M2M Platform with 100% Web-based Management Tool

### M2M Cloud-based Platform



### M2M - Benefits

#### Mobile Carriers

- Use of Private IP's to save the public IP's stock
- Guarantee of revenue, cutting millions in unpaid invoices
- Fraud prevention, eliminating unwanted traffic
- Better performance of data infrastructure
- Optimizing internet bandwidth use



#### Enterprise M2M

- Static, private IP – M2M Corporate Intranet
- Quick implementation – 100% web-based applications
- Safe transactions, protecting and securing data
- Platform for every M2M application
- Multiple carriers support
- High performance Data Centers in the USA
- Detailed utilization reports, for better management
- Cutting operational cost with asset management and increased productivity in operations due to efficient asset management
- New service opportunities

### SMS – Sending and Receiving Messages

#### Multiple Resources:



- Sending SMS via web portal
- Sending SMS via Gtalk
- Sending SMS via your system, with our integration API's
- Receiving SMS via email
- Automated campaigns
- Exclusive tags to receive SMS


### M2M Platform


- Traffic control; MDM; mobile apps
- Voice and Data: Telephony (PBX, Call Center, MVNO) and M2M
- Multiple hierarchy with no limits, multiple users
- Private Label; fully customizable; 100% web-based
- Integrated APIs
- Multiple carriers: Vivo M2M/Smartcenter, Claro, Oi, TIM, Optimus/Jasper, Vodafone/Datora
- VPNs; customised firewall; IP Proxy; Geolocation; SMS



 Usuario: Admin ParlaCom (admin)  
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MVNO Brazil
Novos usuarios
Servicos Admin
Pesquisar
Saida

Inicio
Servicos Admin
Ferramentas
Conta Admin
Relatorios

Grupo	Nome do Usuario	Servicos	Cadastro	Vencimento	Saldo Bancario	Painel de Controle	Gravacoes	Filas	Deletar	#
	Intelbras Tecnologia		 	21	100.00					1
	LeadingQuest LLC		 	28	88.50					2
	ParlaCom LTDA		 	22	10.93					3
	Portal ParlaCom		 	03	0.00					4
















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M2M

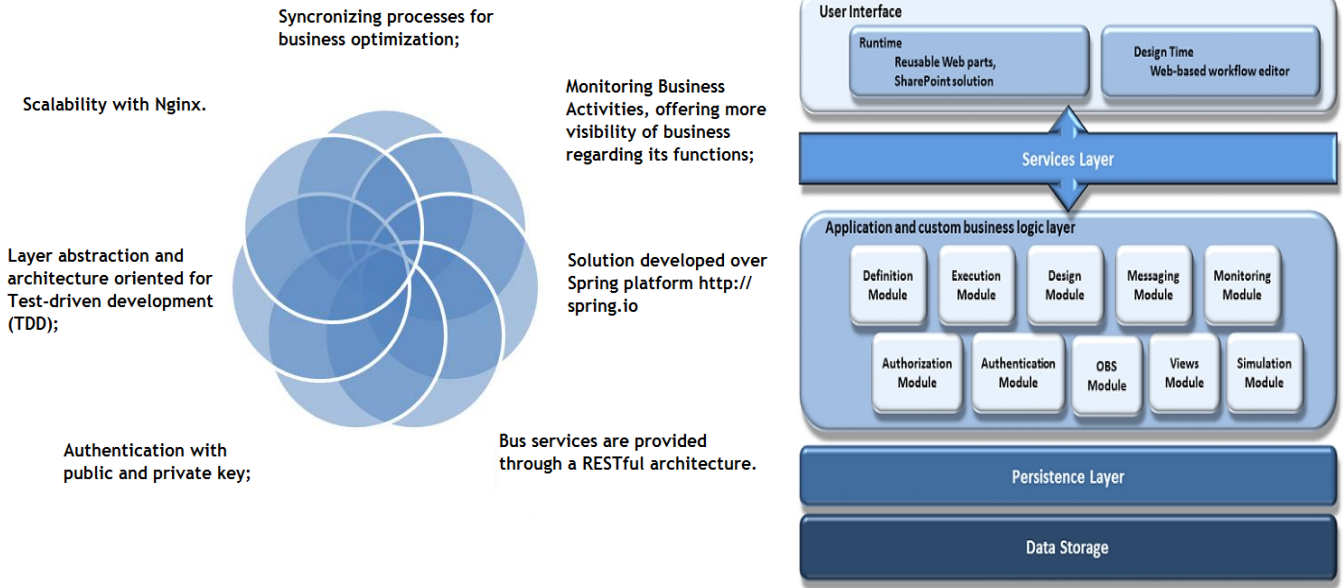
Simcard
Descricao
ICCID
Adicionar Simcard
Volume Novos Simcards
Bulk Deletar Simcards


 SmartCenter

Simcard	IP	ICCID	Credito	Saldo	Reset	Plano	ON	Consumo	Eq.	Del	#
8181873277	558181873277	1.1.1.1	055118022600410045	0.00 Mb	10.29 Mb		12.00		0%		1
8181558231	558181558231	1.1.1.2	055118022600410080	0.00 Mb	10.00 Mb		12.00		0%		2
8182277408	558182277408	1.1.1.3	055118022600410078	0.00 Mb	8.00 Mb		12.00		0%		3
8181643235	558181643235	1.1.1.5	055118022600410094	0.00 Mb	8.00 Mb		12.00		0%		4

### SIMPLIFIED CONNECTIVITY, ALLOWING A UNIFIED EXPERIENCE FOR CLOUD INTEGRATION, LOCAL AND BUSINESS-TO-BUSINESS

With the use of Enterprise Service Bus (ESB) as the basis for shared services.



## Vertical Markets

### Smart Grid

**Smart grid** is the use of information technology for the electric system, integrated to the communication systems and the automated network infrastructure.

