

Fortaleza, Porta de Conexão com o Mundo

Fortaleza, 2016

Visão Geral da Companhia

Level 3 Communications



Mais de **\$8B** de Receita Pro Forma LTM *



13.000 Colaboradores



Conectamos **+ 60** países



+320.000 km de rotas de fibra globalmente



Aprox. **350** instalações de Data Centers



+ 42Tbps de capacidade global IP e CDN



Mais de **12B** de minutos por mês de tráfego VoIP

Level 3 Clientes



8 dos Top 10 Bancos sediados nos Estados Unidos



8 dos Top 10 Provedores de Serviços de Internet



8 das Top 10 Empresas Farmacêuticas do Mundo



8 dos Top 10 Operadoras de Cabo (MSOs)



4 dos “Big 6” Estúdios de Cinema

*(Q3 2014 – Q2 2015)

Rede Global



THE LEVEL 3 NETWORK

- | | |
|------------------------------------|------------------|
| ● On-Net Market with Metro Network | — Owned Network |
| ● On-Net Market | — Leased Network |

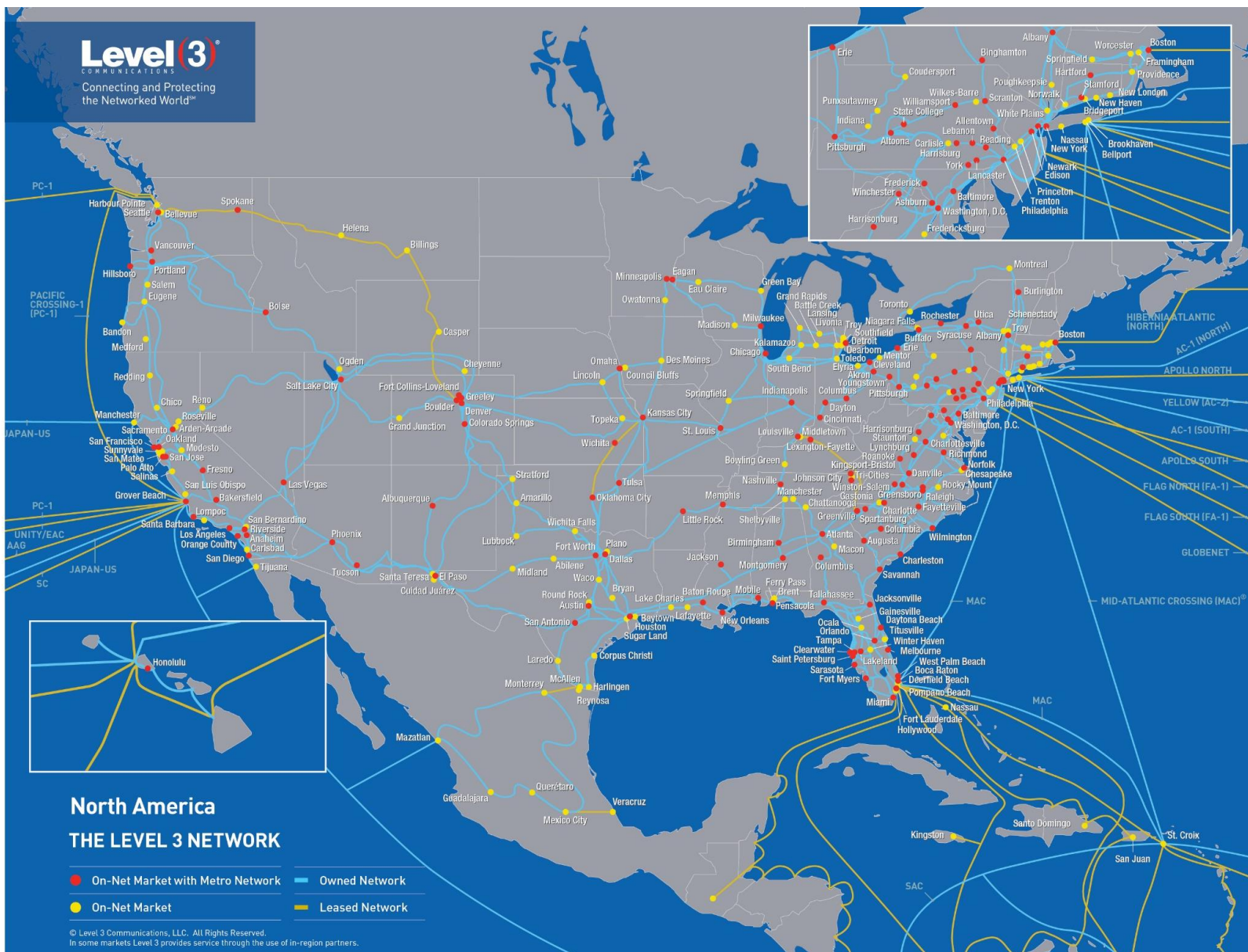
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In some markets Level 3 provides service through the use of in-region partners.

Level 3
COMMUNICATIONS
Connecting and Protecting
the Networked World™

América do Norte

Level(3)
COMMUNICATIONS

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the Networked World



América Central & Caribe



Argentina

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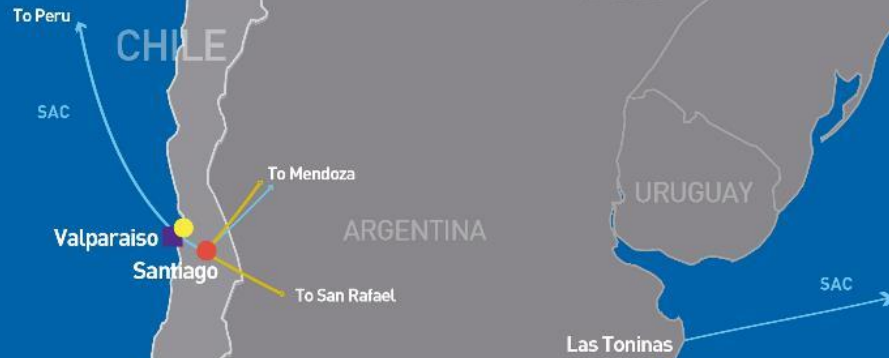


LEVEL 3 ARGENTINA NETWORK MAP

- On-Net Market with Metro Network
- On-Net Market
- Landing Stations
- Owned Network
- Leased Network

Chile

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LEVEL 3 CHILE NETWORK MAP

- On-Net Market with Metro Network
- On-Net Market
- Landing Stations
- Owned Network
- Leased Network

Peru

LEVEL 3 PERU NETWORK MAP

- On-Net Market with Metro Network
- On-Net Market
- Landing Stations
- Owned Network
- Leased Network



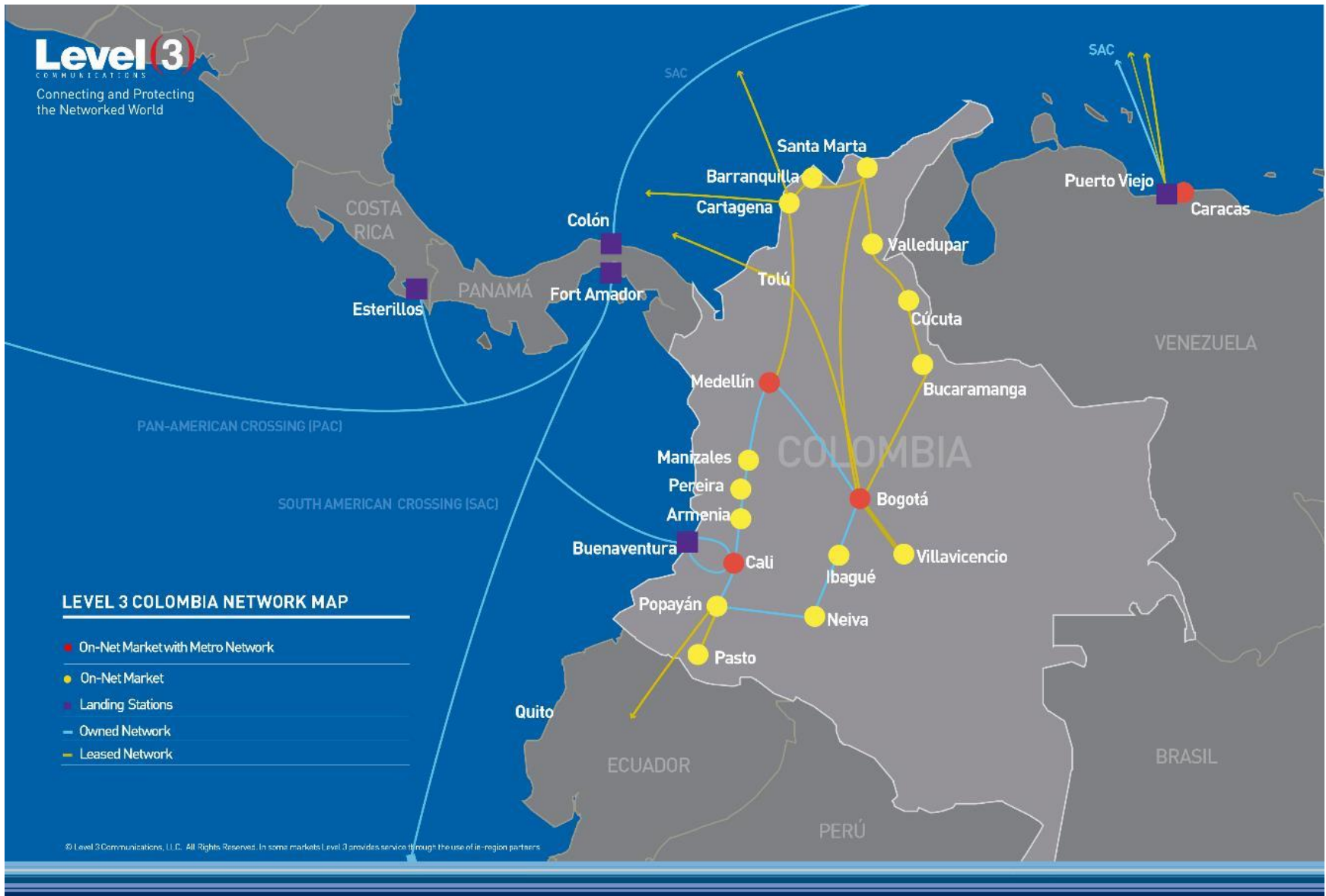
Ecuador

LEVEL 3 ECUADOR NETWORK MAP

- On-Net Market with Metro Network
- On-Net Market
- Landing Stations
- Owned Network
- Leased Network



Colômbia



Venezuela



México

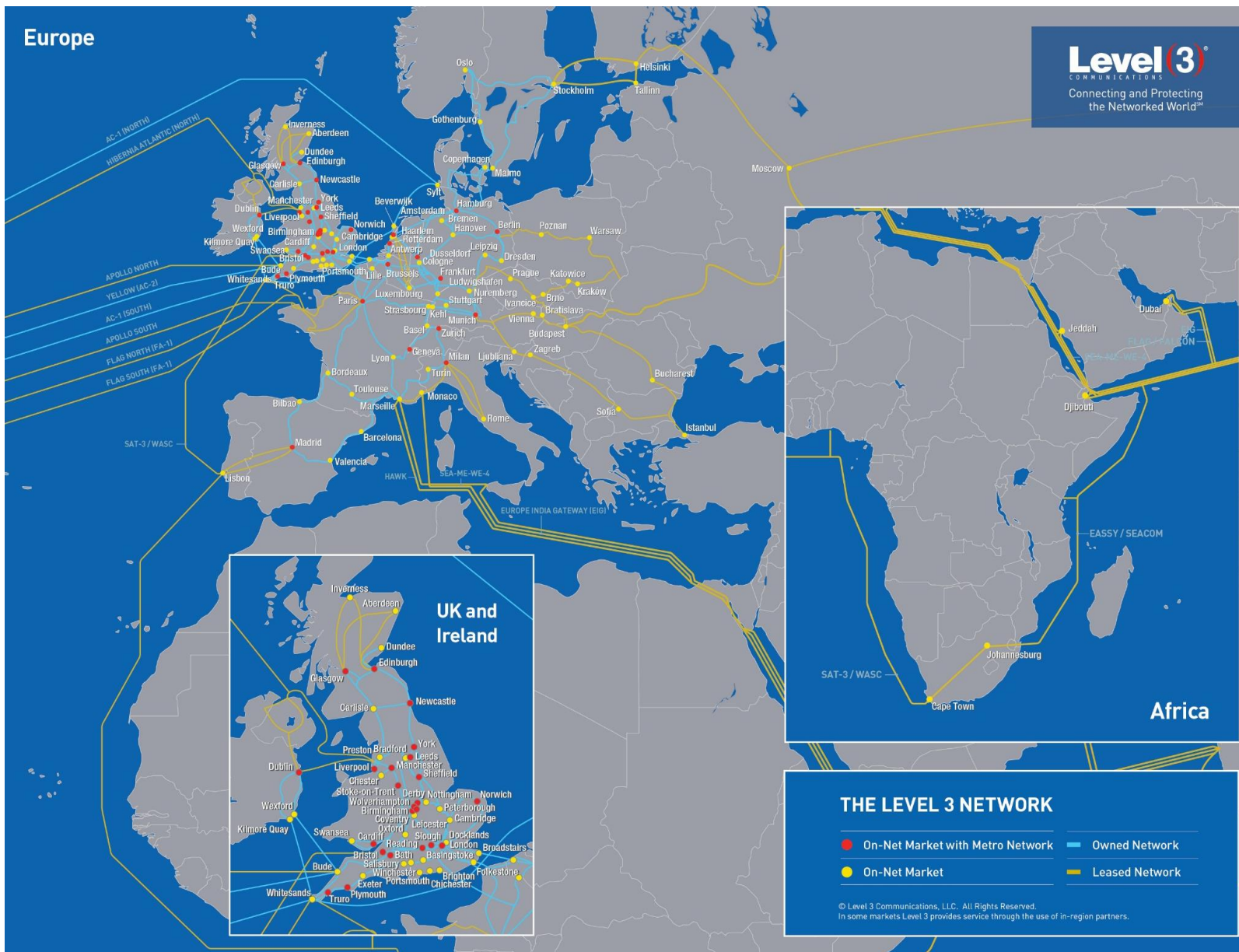


EMEA (Europa, Oriente Médio e África)

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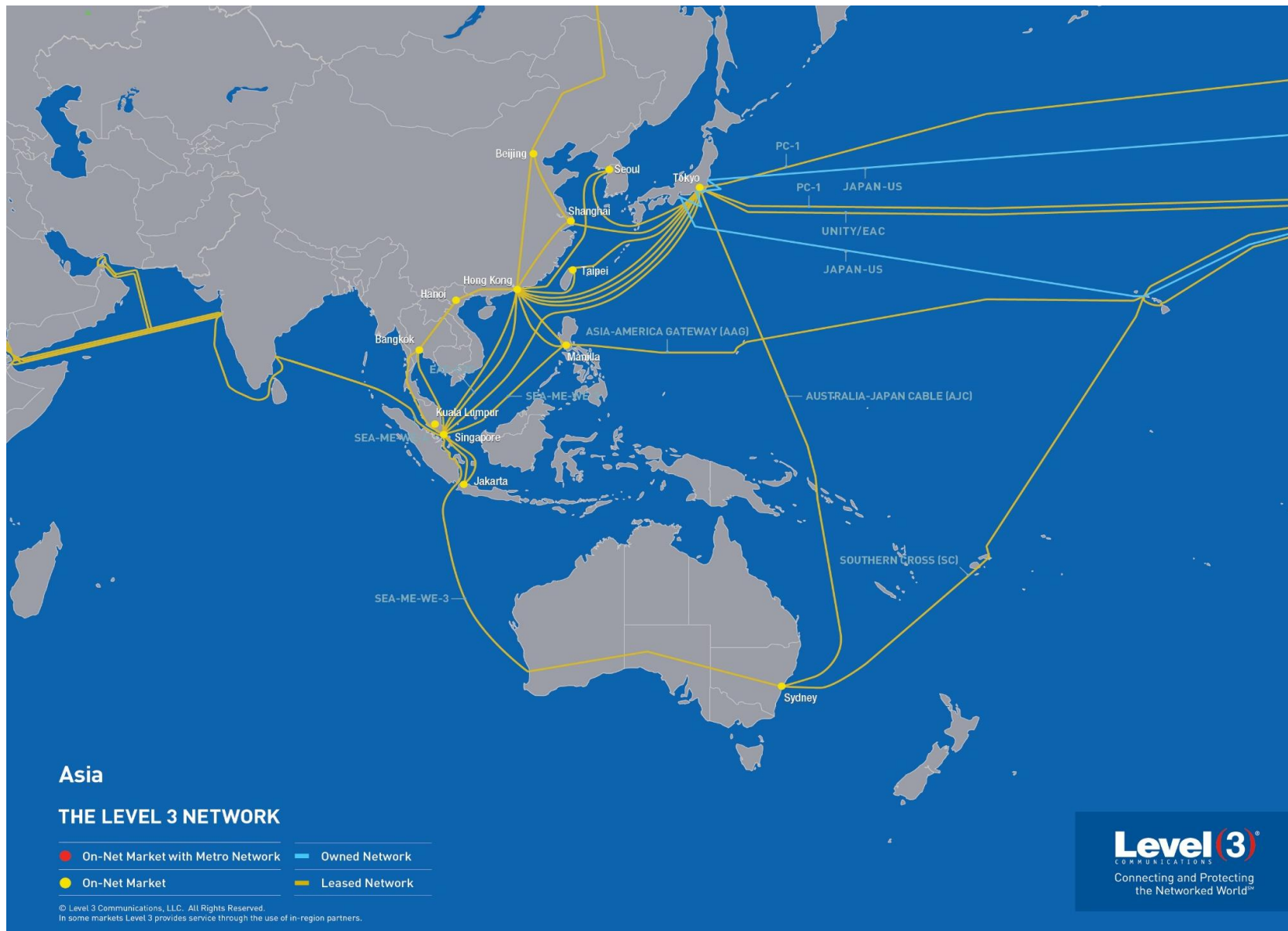
Europe



Ásia

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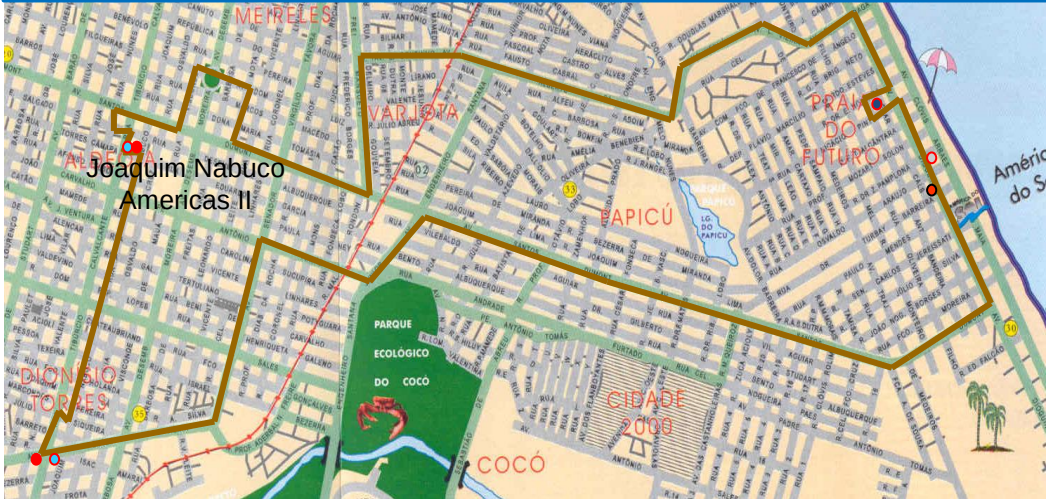


Brasil

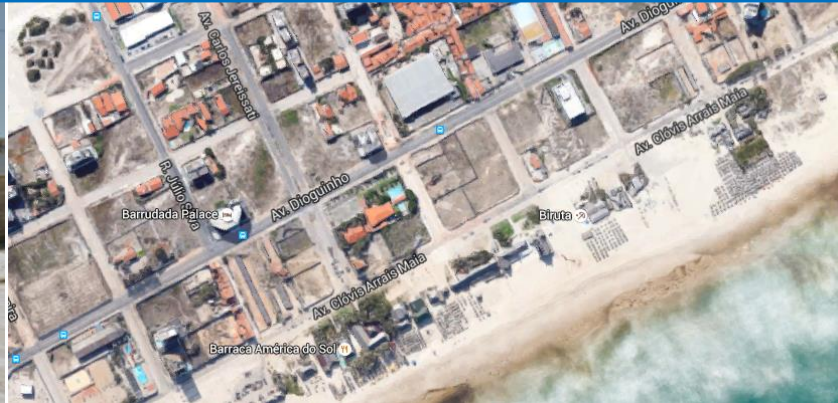




Anel Metropolitano



Land Station em Fortaleza



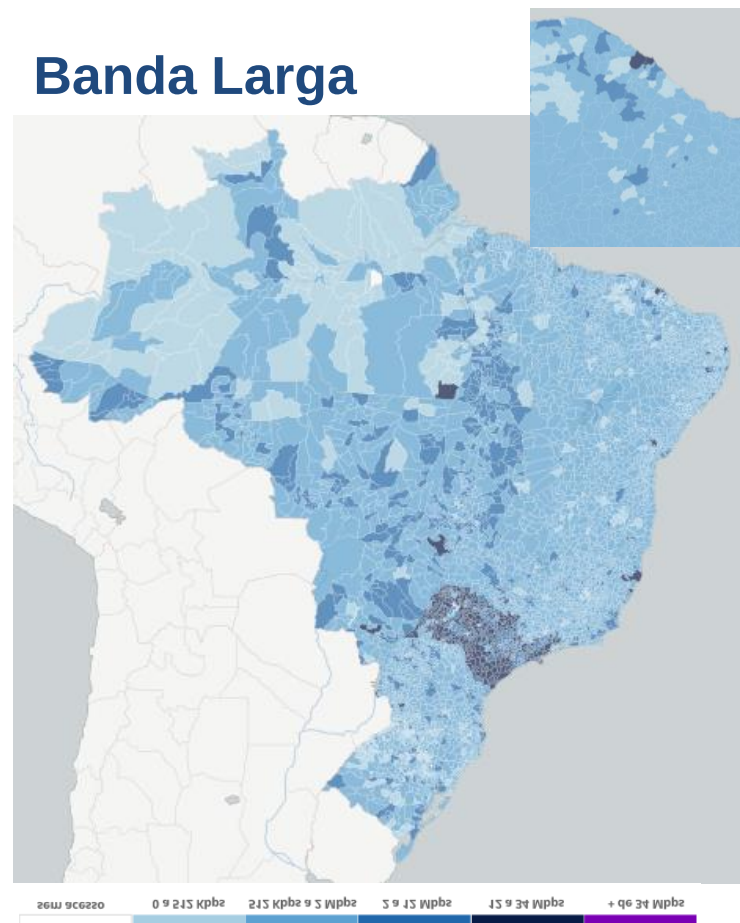
Demanda de Internet na Região

Cinturão Digital do Estado do Ceará



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Banda Larga



Acesso Dedicado à Internet Level 3

Destaques do serviço

- Opções de acesso on-net e off-net
 - FastE, GigE, 10GigE
 - STM-1, STM-4, STM-16, STM-64
- Opções de cobrança flexíveis
 - Fixo
 - On demand
- monitoramento de rede, gerenciamento e suporte técnico 24 x 7
- Provedor eleito por empresas de vários segmentos :
 - Financeiro
 - Saúde
 - Farmacêutica
 - Manufatura
- Em conformidade com IPv6

Características chave:

- BGP
- IPv4/IPv6 dual stack (global/nativo)
- IPv4
- DNS
- Dual homing

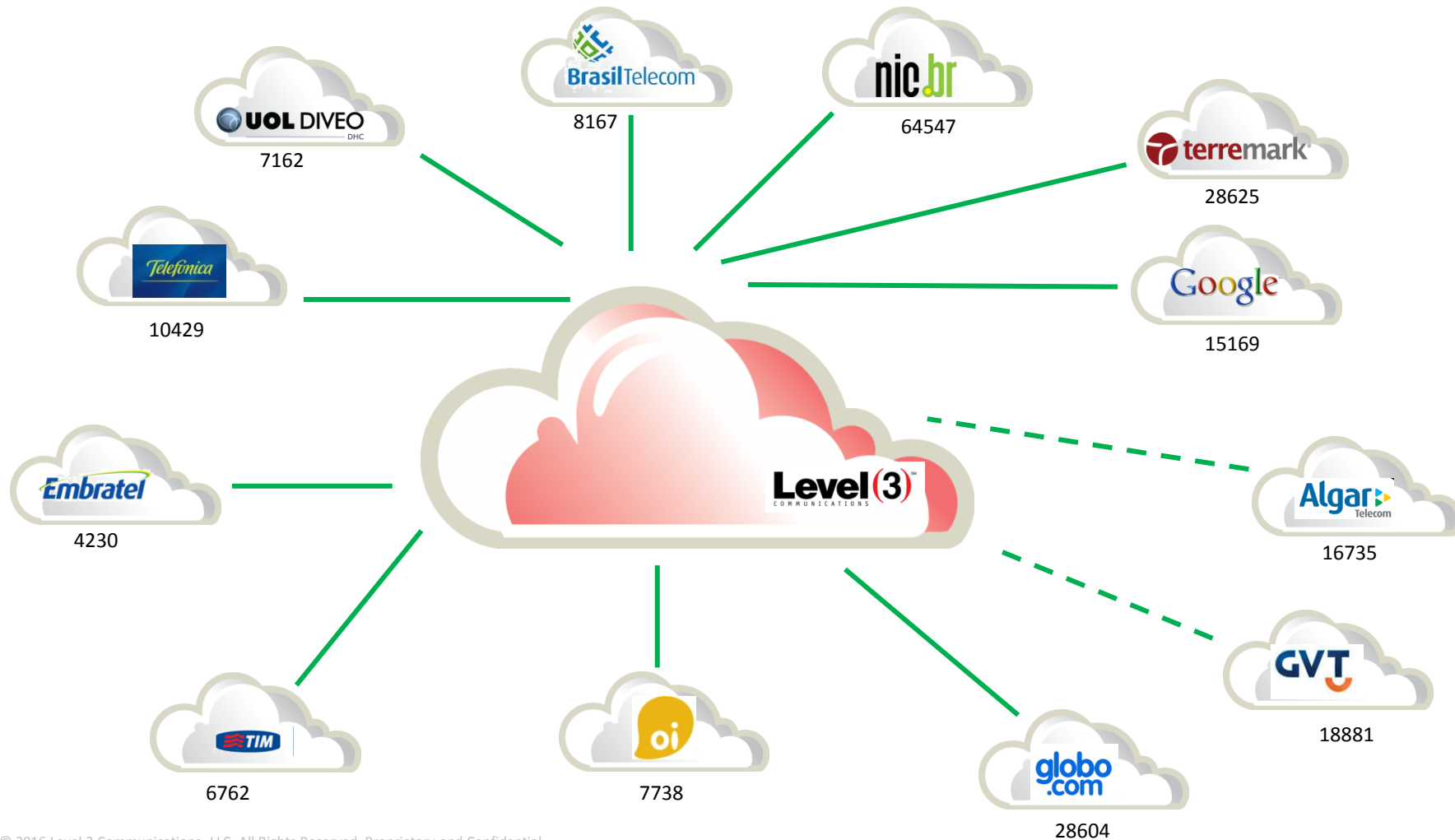
Conectividade Global

Conectividade Global

- Backbone Internet Tier 1 com interconexões públicas e privadas.
 - Alcance a 100% da Internet com poucos hops.
 - Conectividade direta aos principais destinos na Internet
 - Mais de 3.568 Tbps de capacidade de peering .
 - Mais de 500 interconexões privadas.
 - Circuitos em pontos de peering públicos.
 - Políticas de peering bem definidas e projetadas para seu benefício.



Cenário das Interconexões entre Redes IP no Brasil



Obrigado

Principais Investimentos Globais em Produtos *- 2016

Aumentando as capacidades para ajudar os clientes a enfrentar seus desafios de crescimento, eficiência e segurança



NETWORK

- SDN – Global Expansion of Adaptive Network Control⁽¹⁾ with Enhanced Management, Dynamic Capacity and Dynamic Prioritization
- SDN and NFV – Virtual Managed CPE Service
- Unified Global Ethernet Network Edge
- 100G MPLS Core Network Upgrade with Full 10G Service Ports
- Next Gen / High Bandwidth Multicast Services
- Ultra-high-speed (100G) Internet Service Ports
- Internet Expansion in APAC
- High Availability VPN, Internet Bundles
- Managed LAN/WLAN Service and Wi-Fi Hot Spots
- Rapid Deploy Wireless Access
- Content Delivery Network Expansion
- VPN PoP expansion in China and India



CLOUD e DATA CENTER

- Level 3® Cloud Connect Solutions – Geographic and Partner Expansion
- Dynamic Connections to Cloud Partners, Partner API Integration
- Cloud Voice Ecosystem
- Data Center Expansion
- Data Centers - Metered Power Expansion
- Video Cloud – Vyvx® Internet Access and Enhanced Full-time Distribution
- Web Acceleration - Feature Enhancements
- Cloud Firewall with NAT Enhancements
- Compute and Storage IaaS
 - Cloud Connect – Cloud Marketplace, Partner Expansion, Dynamic Connections Expansion
- Data Centers Expansion



SECURITY

- New São Paulo Scrubbing Center
- DDoS Mitigation Enhancements
- Threat Intelligence
- Secure Access Enhancements
- NG Network-Based Security Expansion



VOICE e UC&C

- Level 3® Voice Complete ® Feature Enhancement
- Level 3 ® Voice Complete ® EMEA Expansion (SIP trunking + an array of enterprise voice services)
- Managed Voice Migration Solution Expansion (professional services)
- Contact Center Services – Network-based Feature Expansion
- UC & Collaboration Enhancements - Hosted UC Expansion (NA, EMEA, LATAM)
- Collaboration Services Integration