



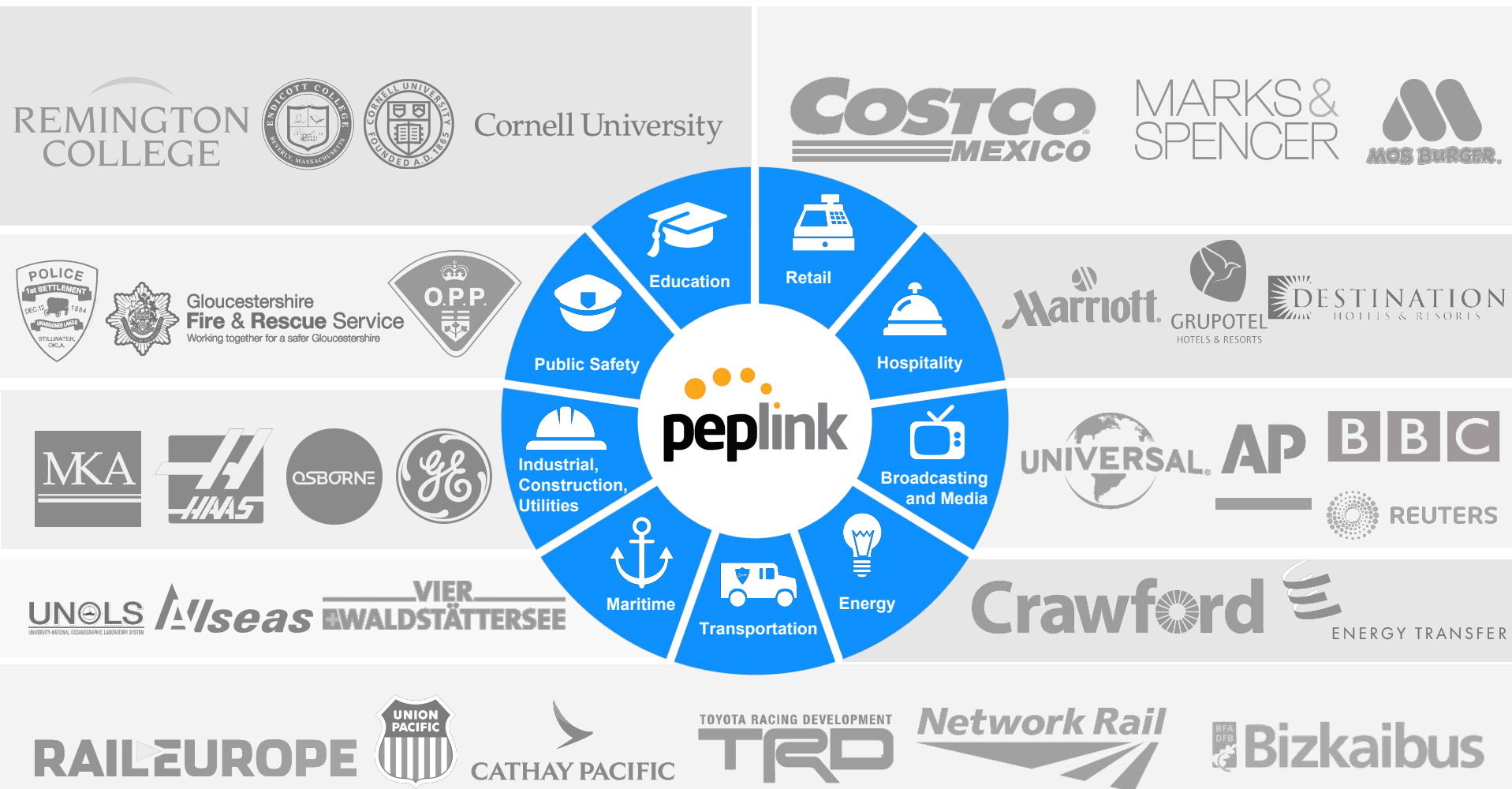
Software-Defined WAN for the IoT Era

Peplink Pepwave - Who We Are

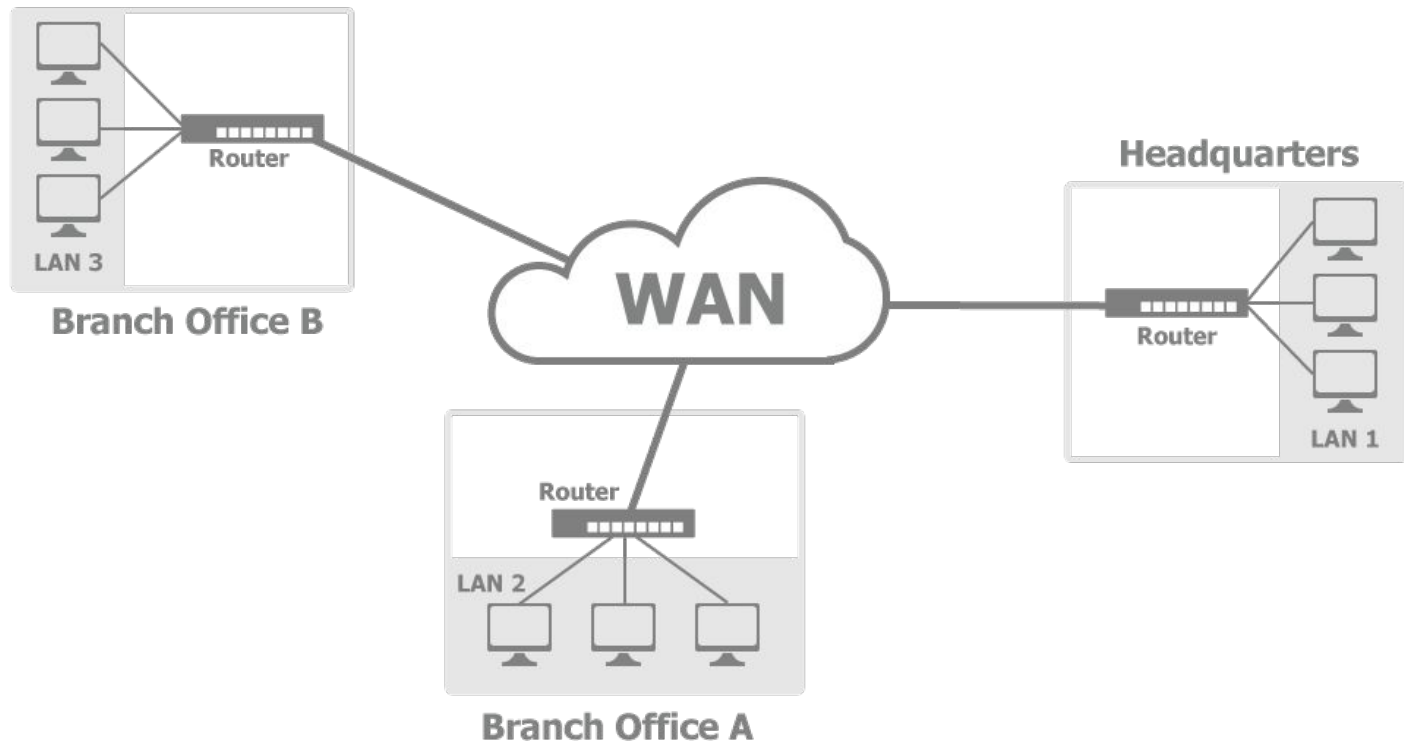


- Founded in 2006, 104 people, 75 R&D engineers.
- 100% in-house engineering on hardware, software, RF and mechanical.
- Comprehensive SD-WAN routers for always-on connectivity.

Clients



Routers: Helping You Connect



Routers connect your local network to the outside world:

- Local Network (LAN) = Computers, IP Phones
- Wide Area Network (WAN) = Public Internet, Private Leased Lines

Traditional WAN vs SD-WAN

Traditional WAN



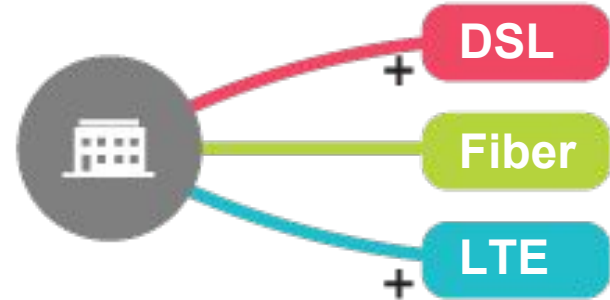
Expensive reliability

Low bandwidth

Inflexible network

Configure routers individually

SD-WAN



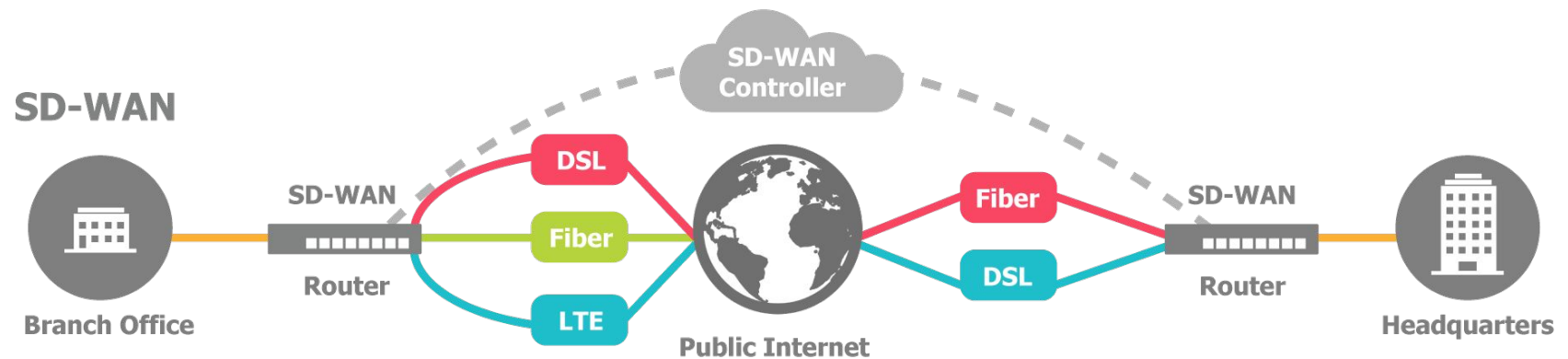
Extreme reliability at 1/5 cost

Combine links for bandwidth

Freely add and remove links

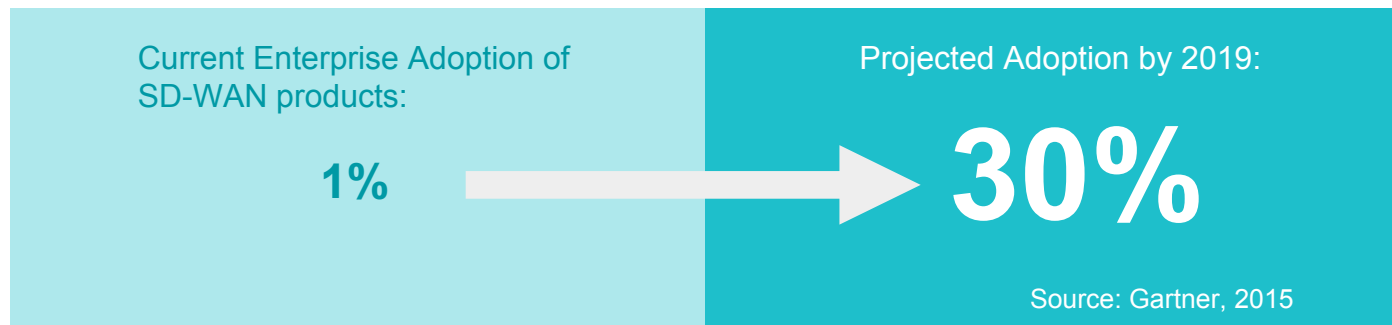
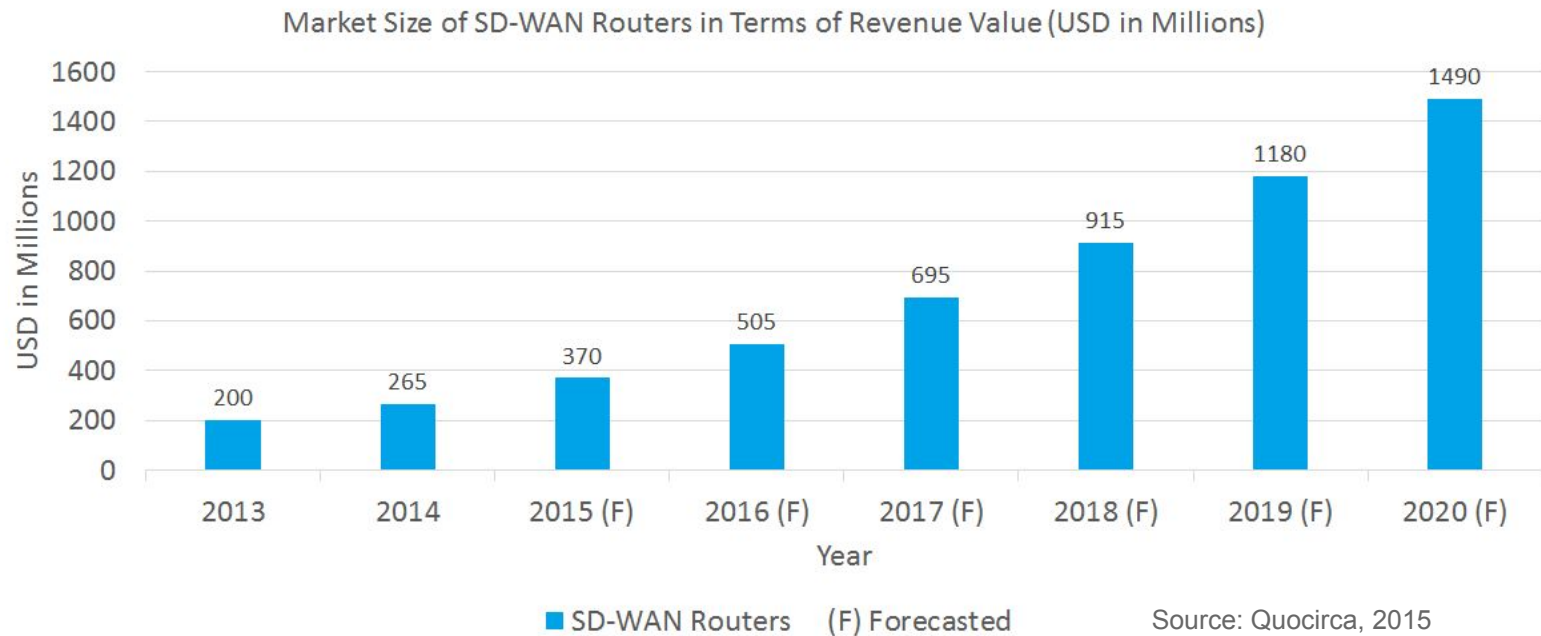
Centrally manage entire network

Characteristics of SD-WAN

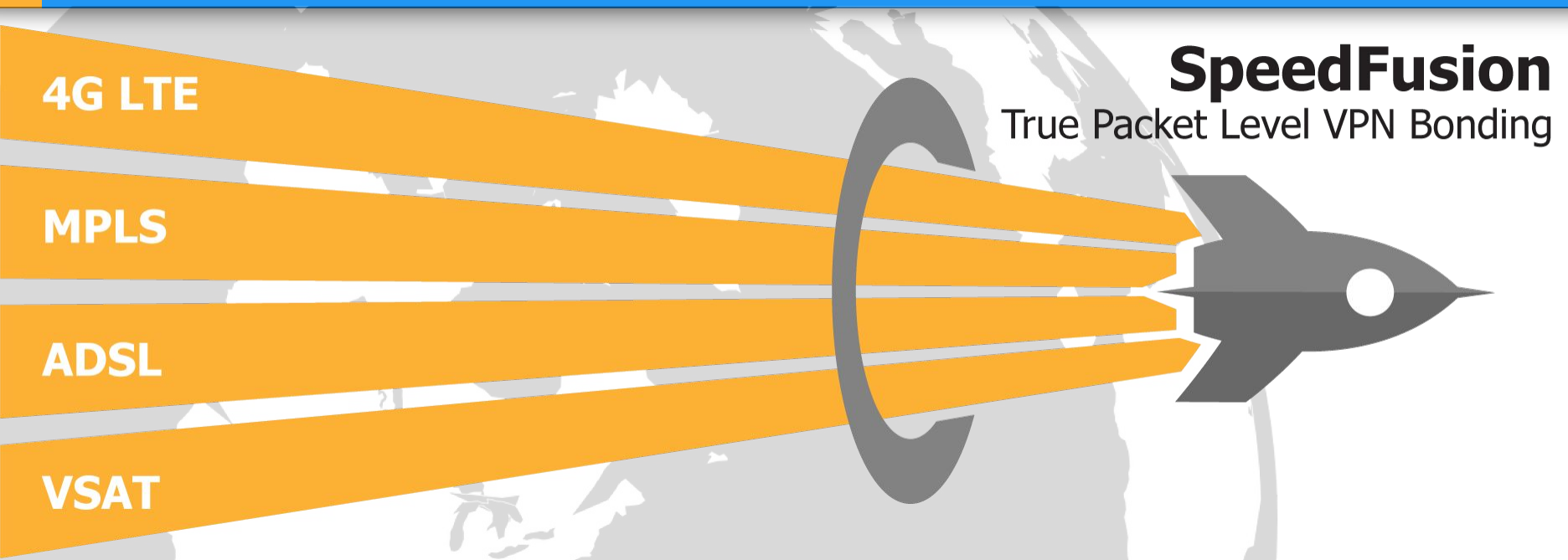


- **Multiple WANs:** Combine multiple WAN links of multiple types. Set up quickly, anywhere.
- **Routing Intelligence:** Intelligently load balance traffic between each link.
- **Central Management:** Manage your entire network from a centralized location.
- **Network Security:** Build a secure overlay, i.e. Virtual Private Network (VPN) over public networks.

A Rapidly Rising Technology



The Peplink SD-WAN Advantage



Bandwidth Bonding technology combines multiple links into a single fast, reliable private connection.

- Connection speed: is the combination of each link's individual speed.
(10Mbps + 10Mbps = 18Mbps)
- Reliability is the combination of each link's uptime.
(97.26% + 97.26% + 97.26% = 99.998% reliability)
(10 days of downtime a year reduced to 0.0075 days)

SpeedFusion: 3 Core Technologies



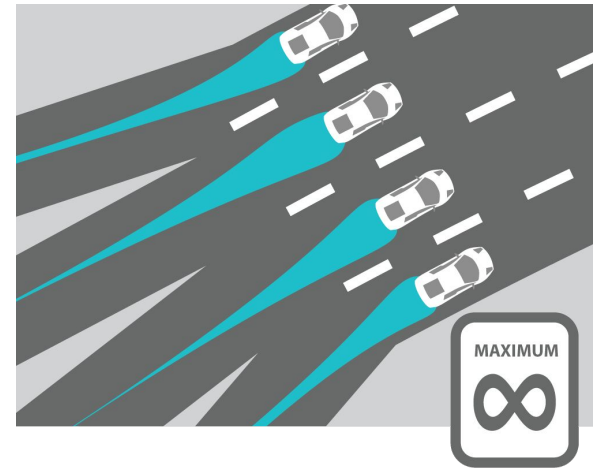
Hot Failover

Live backup links. If one link fails, others take its place **without session interruption**.



WAN Smoothing

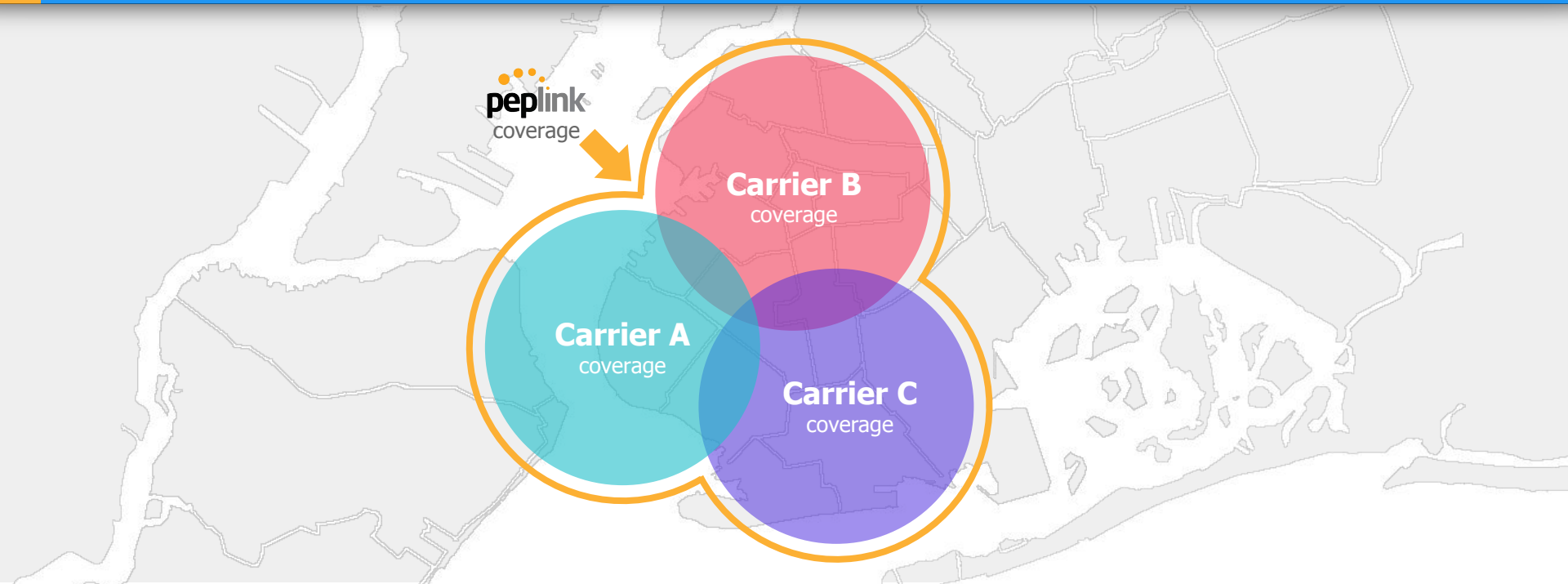
Combining multiple links to build the **most reliable connection** possible.



Bandwidth Bonding

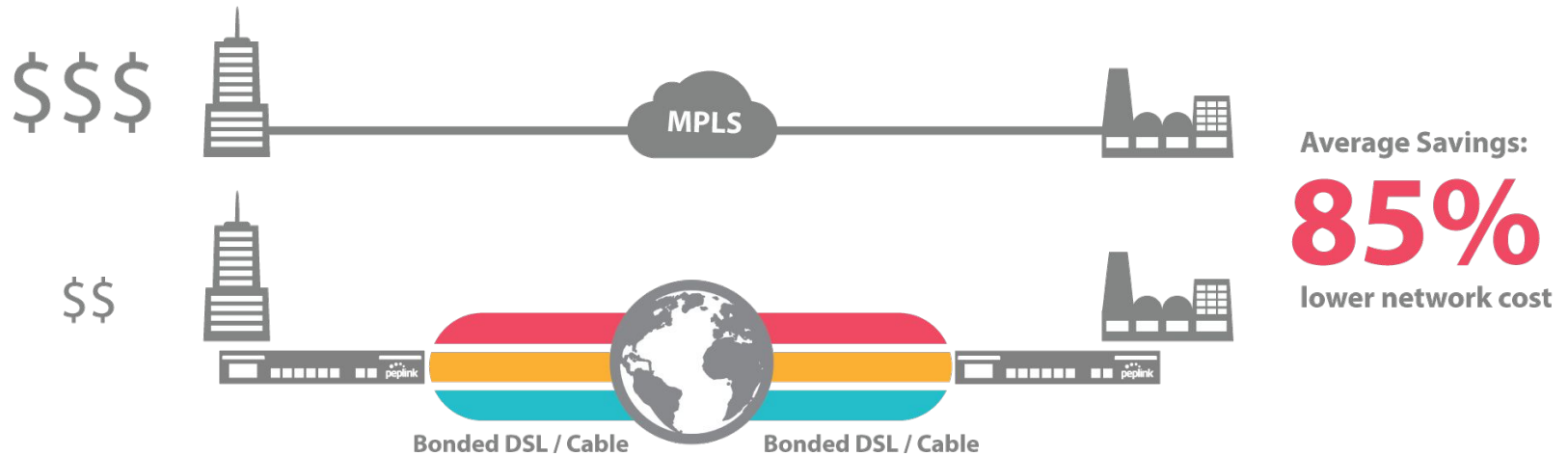
Combining multiple links to build the **fastest connection** possible.

Benefit: Increased Mobility



- Use SpeedFusion to combine the coverage of multiple carriers.
- Seamlessly transition between different 2G, 3G, and 4G networks.
- Supports both USB modems and SIM cards.
- Support two carriers per cellular modem with redundant SIM slots.

Benefit: Cost Savings



Use SpeedFusion to combine multiple WAN links into a single SD-WAN

- Combine the bandwidth of all WAN links
- Enhance VPN performance and reliability

Build MPLS-grade secure private network over consumer Internet WAN links

Use Case: Video Surveillance

- 2 Connect your camera using 802.11af passive PoE Output.

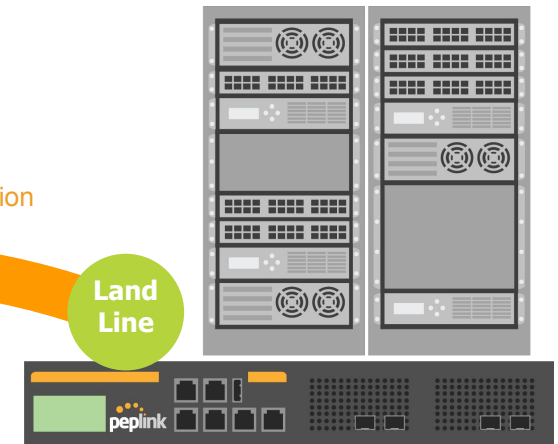


Street - **MAX HD2 IP67**
Outdoor-capable cellular router

SpeedFusion
Bandwidth-Bonded VPN Connection

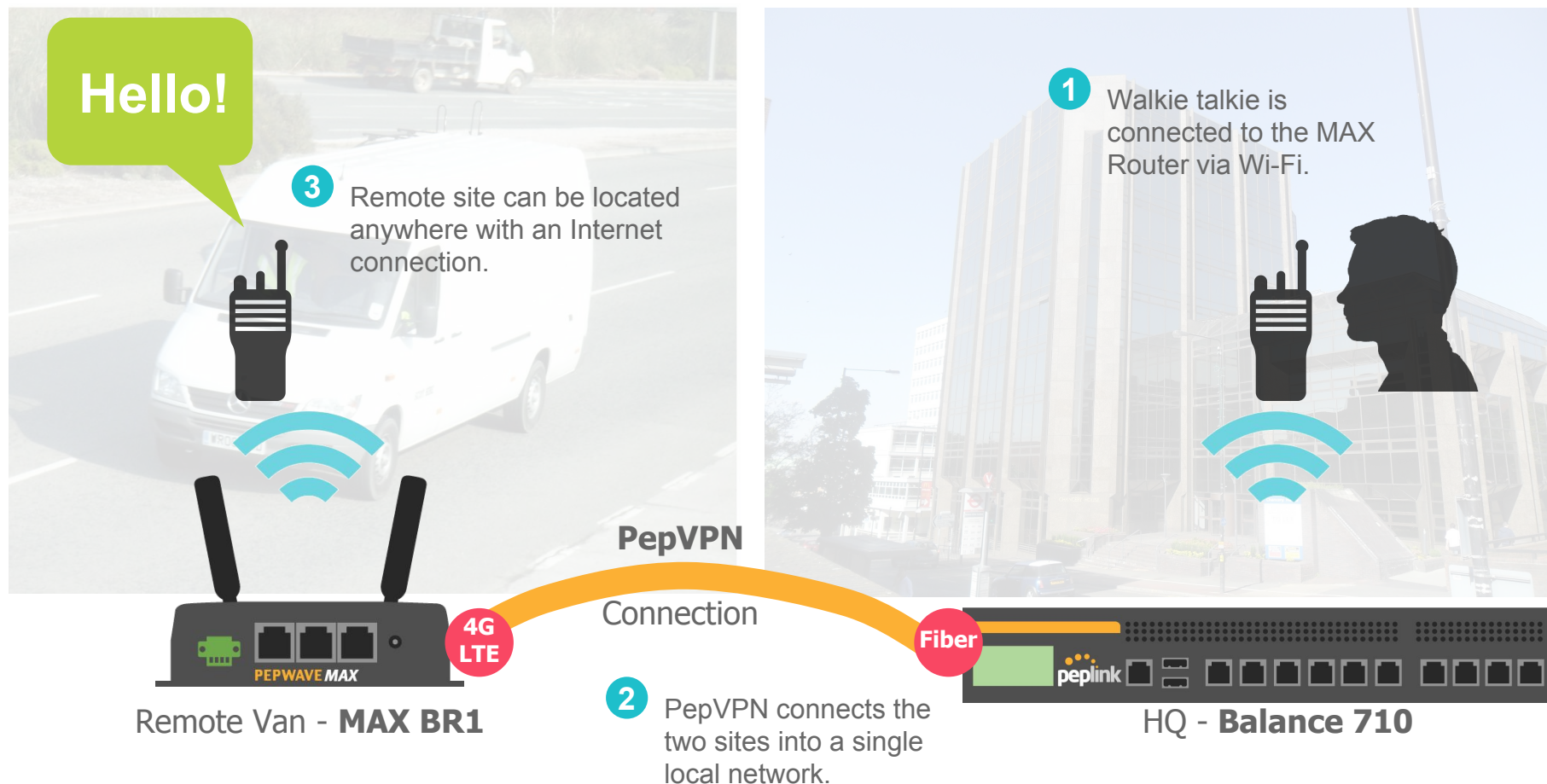
- 1 Connect to head office using 2 cellular modems, supporting up to 4 carriers at a time.

- 3 Balance or FusionHub at the data center connects to patrol vehicles using bandwidth-bonded VPN.



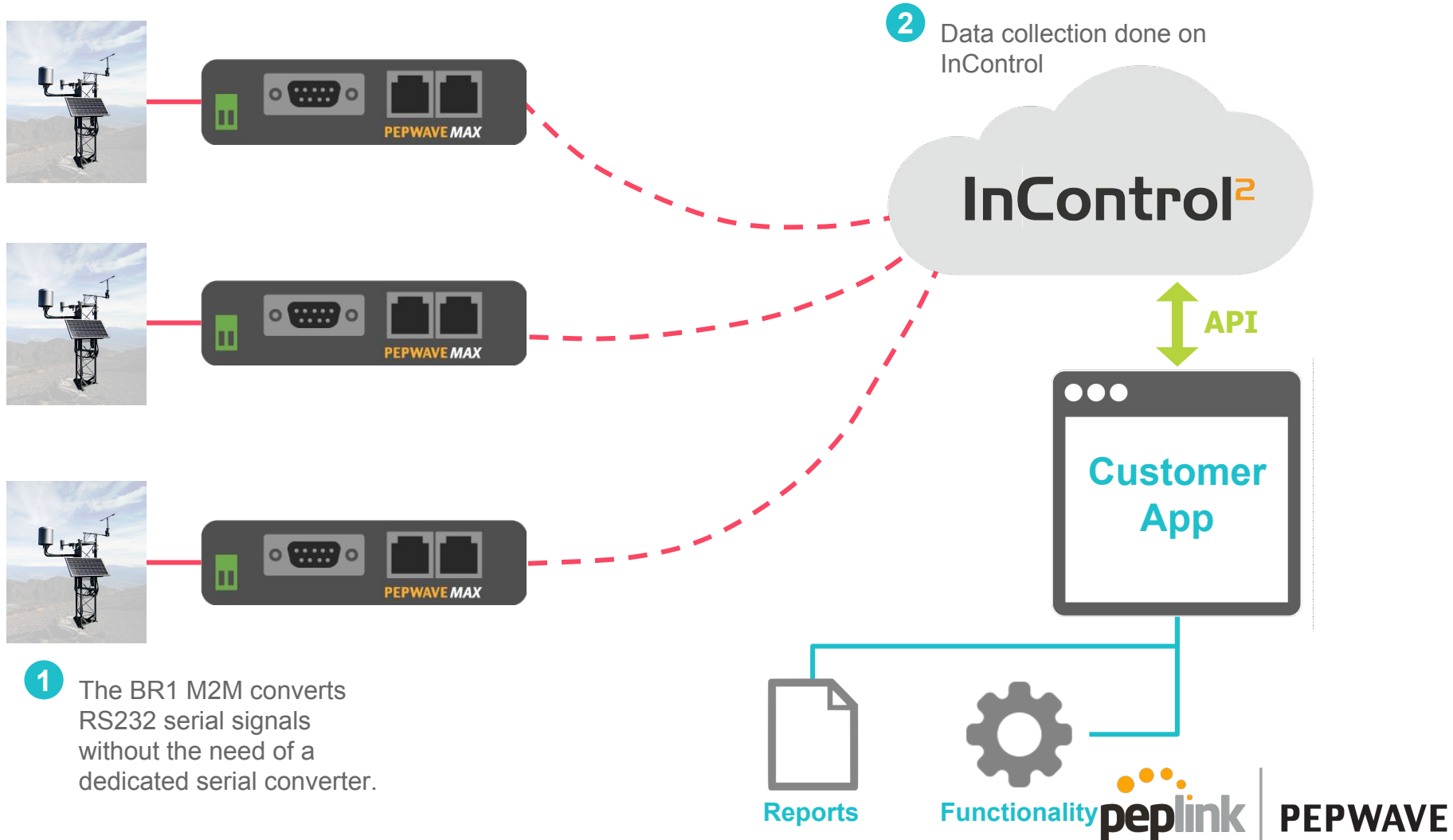
HQ - **Balance 2500** or **FusionHub**

Use Case: Remote Walkie-Talkie

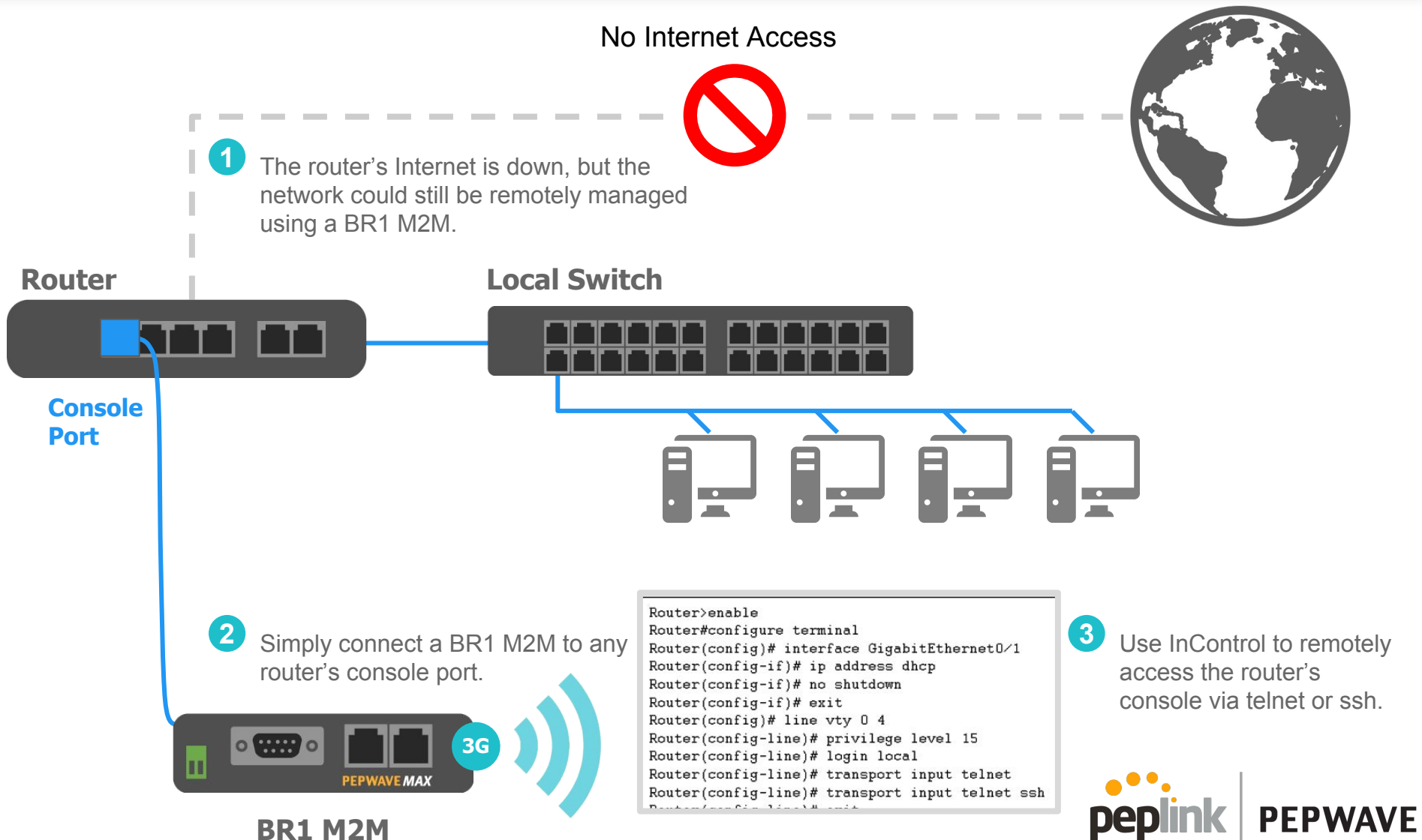


Use Case: Remote Metering

Remote Sites - BR1 M2M



Use Case: Out-of-Band Management





Case Study - Harris County Sheriff's Office. USA.

Award Winning Mobile Command Unit Connectivity

- Deployed Balance 580 to 6 mobile assets and Balance 1350 to HQ
- Connectivity: Public Safety private LTE, commercial LTE, VSAT, microwave broadband
- **Winning Factors**
 - SpeedFusion aggregated bandwidth allows for high definition media streaming and other vital real-time information delivery
 - Always online - connection redundancy is now possible

"The Mobile Command Units have now found a more efficient way to get the job done!"

-Sergeant Bryan Rudel, Harris County Sheriff's Office.





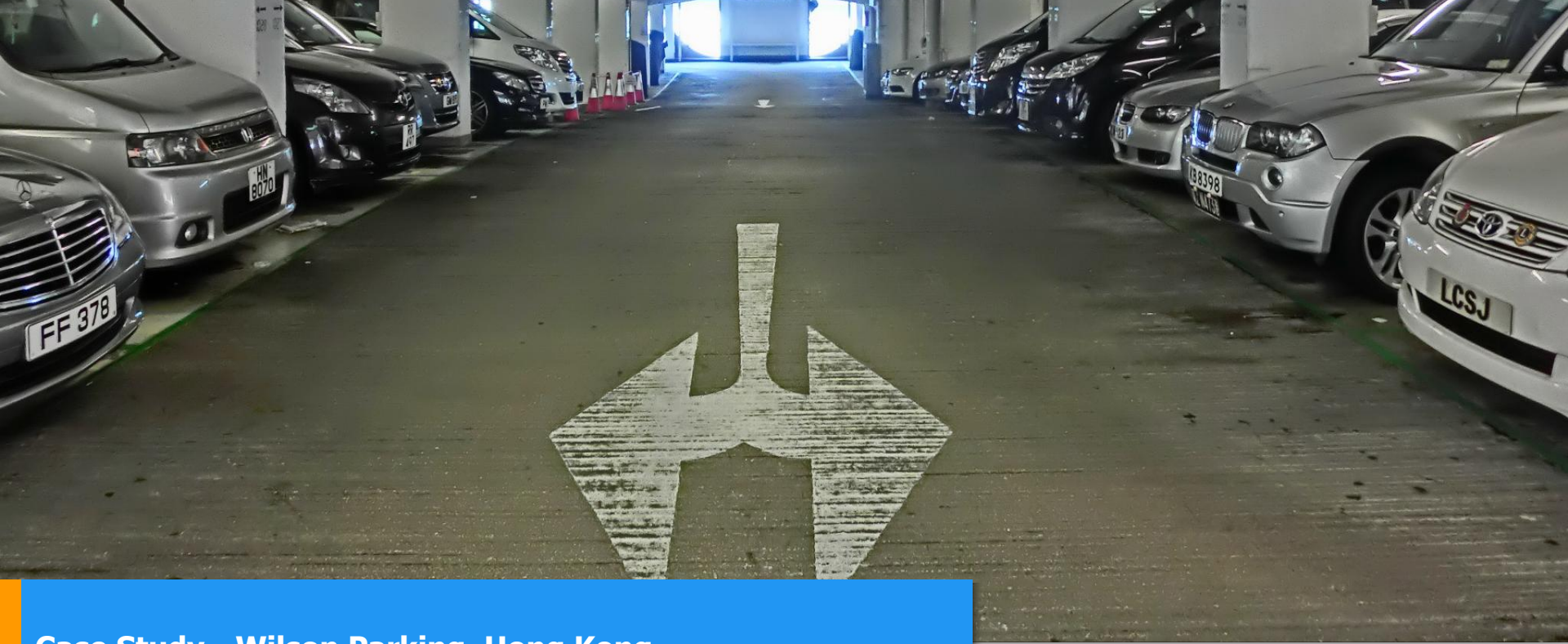
Case Study - Bowen Engineering. USA.

Instant Connectivity For Remote Worksites

- Deployed a combination of MAX 700, MAX HD2, MAX HD4 and MAX On-The-Go depending on work site environment
- **Winning Factors**
 - Flexibility allows Bowen to choose available types of cellular connectivity for the location
 - Network deployment is instant and available as soon as the team arrives
 - Predictable budgeting



"Every construction team is now spoiled!" -Paul Bravard, Network and Systems Administrator. Bowen Engineering.



Case Study - Wilson Parking. Hong Kong.



Wilson
Parking

Unbreakable VPN for Wilson Parking Lots

- 97 sites each with a Pepwave BR1 LTE using fixed lines with LTE as failover. 3 head offices each with a Balance 1350. Each head office supports 40-50 car parks
- 6 CCTVs, a monitoring workstation, POS and gate controls per car park
- **Winning Factors**
 - 100% fail proof: All 3 regional head offices are meshed to form the network core, and all 97 sites are fully connected for failover
 - High bandwidth enables high resolution CCTV video streaming
 - Remote sites where fixed lines are not available rely completely on cellular

Private and Confidential.

Balance - Enterprise Grade Multi-WAN Routers

Branch / Small Offices



Balance 20/30/30LTE/50/One

- Recommended Users: 1-25
- Affordable Link Load Balancing

Small Businesses



Balance 210/310

- Recommended Users: 1-50
- Bandwidth Bonding
- Drop-In Mode, HA

Mid-Size Businesses



Balance 305/380/580/710

- Recommended Users: 50-2K
- Bandwidth Bonding
- Drop-In Mode, HA, LAN Bypass

Large Enterprise / Campus



Balance 1350/2500

- Recommended Users: 1K-20K
- Bandwidth Bonding
- Drop-In Mode, HA, LAN Bypass, 10G SFP+ Fiber, NIC Teaming

Common features: 7 Load Balancing Algorithms, AP Controller with Captive Portal, USB Tethering.

MAX - Business Rugged Series

General Purpose



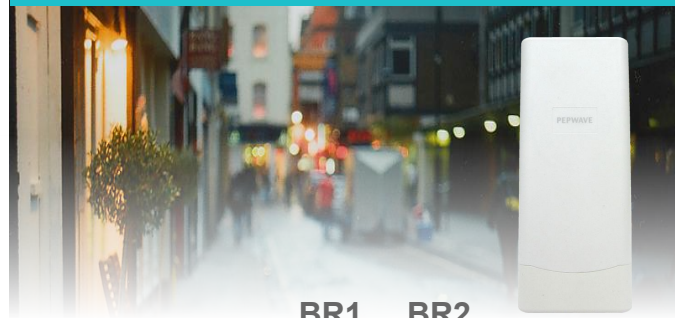
BR1 BR1 11ac

Affordable Multi-Cellular LLB



BR2 BR4

Outdoor LTE, Outdoor 3G (2x cellular, 4x SIM)



BR1 BR2
IP55 IP55

Train Deployments



BR1 RS
-Train/Vehicle Certifications.
-Extreme ESD.

Ruggedized MiFi



BR1 slim
-Powered by micro USB
-Bank, optional DIN mount.

M2M, IoT



BR1 M2M
-RS232 interface.
-Optional DIN rail mount.

Enterprise Grade Failover



BR1 ENT
-No Wi-Fi.
-High Throughput.

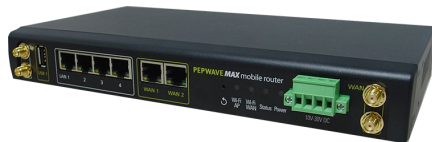
Branch Office VPN



BR1 Pro



MAX - Mission Critical / Heavy Duty



HD2

- Dual LTE, Quad SIM
- General Purpose



HD2 IP67

- Dual LTE, Quad SIM
- Super Rugged



HD2 mini

- Dual LTE, Quad SIM
- No Wi-Fi for extra security.
- 802.11af PoE Support



HD4

- Dual LTE, Quad SIM
- Redundant power supply
- 802.11af PoE Support

Common features: High Throughput, LTE-A support, MediaFast caching on certain models.

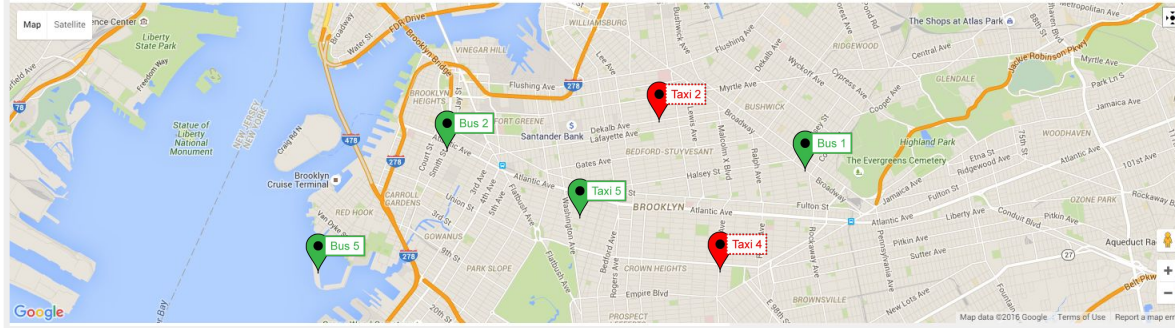
Private and Confidential.

InControl² Cloud-Based Device Management

	FH for Taxis and Buses		-	Peplink FusionHub	now	4.1 kbps	1	6.2.1s002 build 1295	2015-11-25 18:28:26
	Taxi 2	Ad, Taxi	Group level settings	Pepwave MAX BR1	16 days ago	-	-	6.3.1 build 2023	2016-02-26 07:39:52
	Taxi 3	Ad, Taxi	Group level settings	Pepwave MAX BR1	22 days ago	-	-	6.3.0 build 1946 (Pending to update to '6.3.1 build 2023')	2015-12-18 17:38:54
	Taxi 4	Ad, Taxi	Group level settings	Pepwave MAX BR1	5 hours ago	-	-	6.3.1 build 2023	2016-03-11 23:23:27
	Taxi 5	Ad, Taxi	Group level settings	Pepwave MAX BR1	now	1.0 kbps	0	6.3.1 build 2023	2016-03-12 12:09:52

Download as CSV
Manage...

Map



Bulk Configurator

Save hardware profiles and flash them onto all Peplink units in the same group.



Group Usage Report

See how much data your network has been using. Find out which device is consuming the most data

Real-Time Dashboard

Using GPS tracking, see the location of each vehicle in your fleet in real time.

