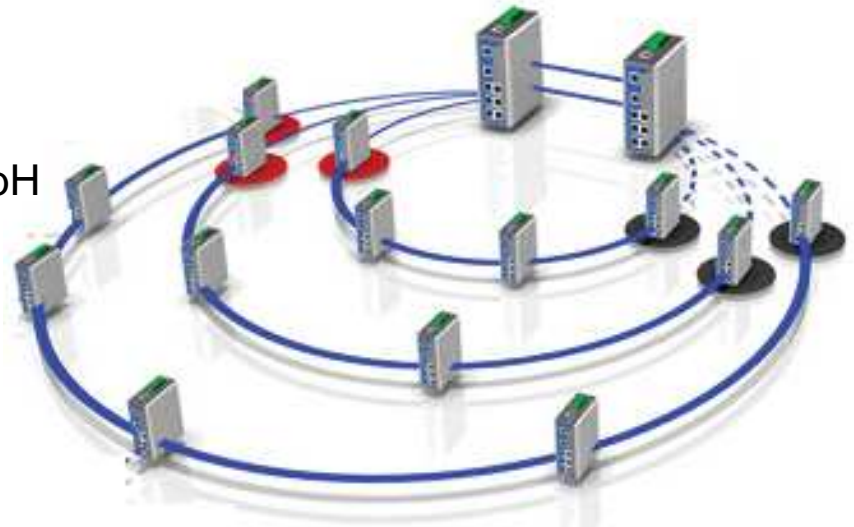




About Moxa

Moxa Partner Day
Warsaw, June 2010

Mykola Parkhomenko, RSM, Moxa Europe GmbH



Proposed Agenda:

- Moxa Corporate Introduction
- Our offer for the customers
- Focus on Vertical Markets

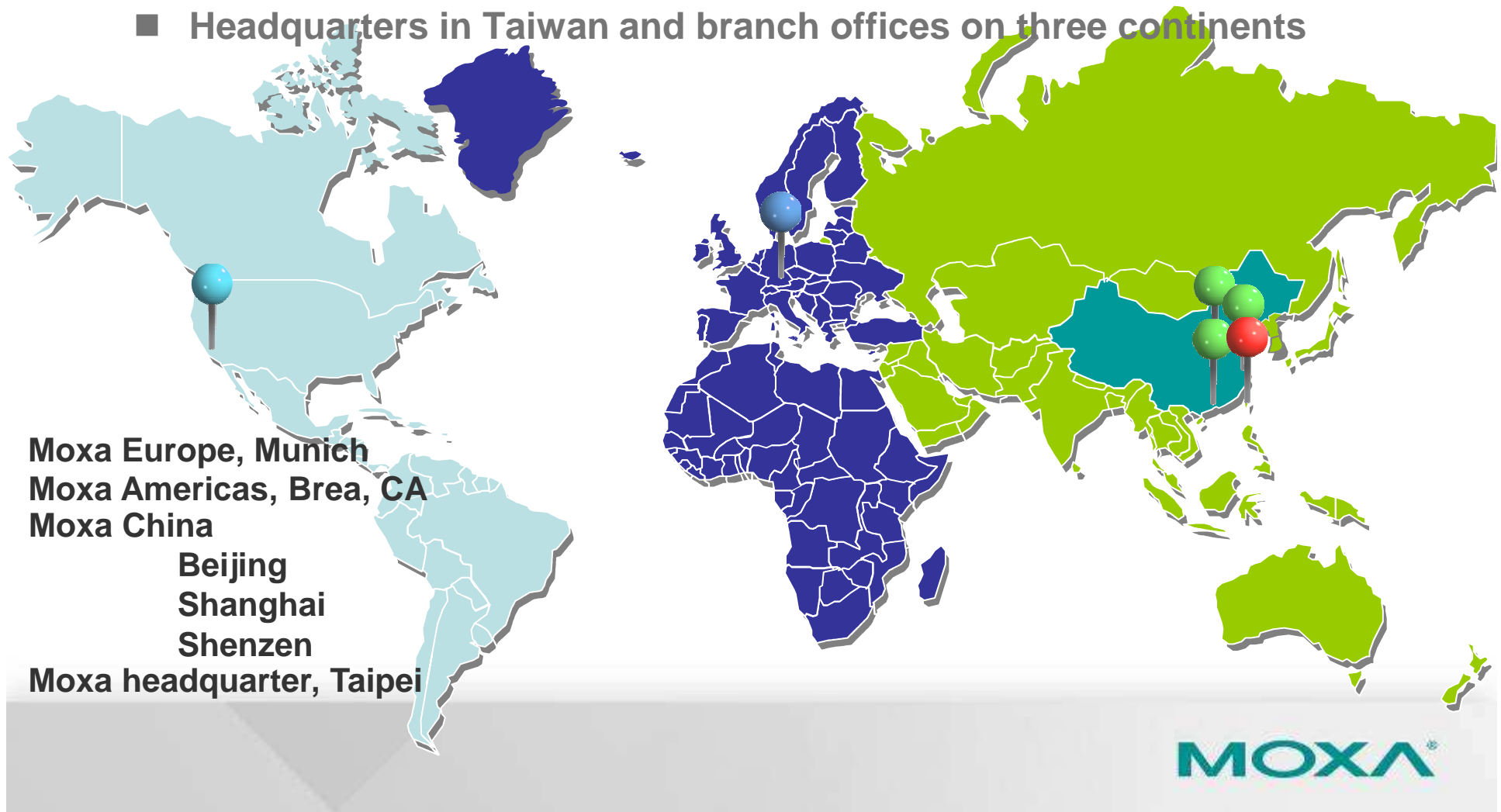
Moxa Introduction

Moxa at a Glance

- Experience: Moxa was founded in 1987, and is now a leading supplier of device networking products and solutions for industry.
- Leadership: Moxa is one of the top 3 providers of Device Networking Solutions worldwide
- Customer focus: Moxa's distribution and technical service network reaches customers in more than 60 countries worldwide.

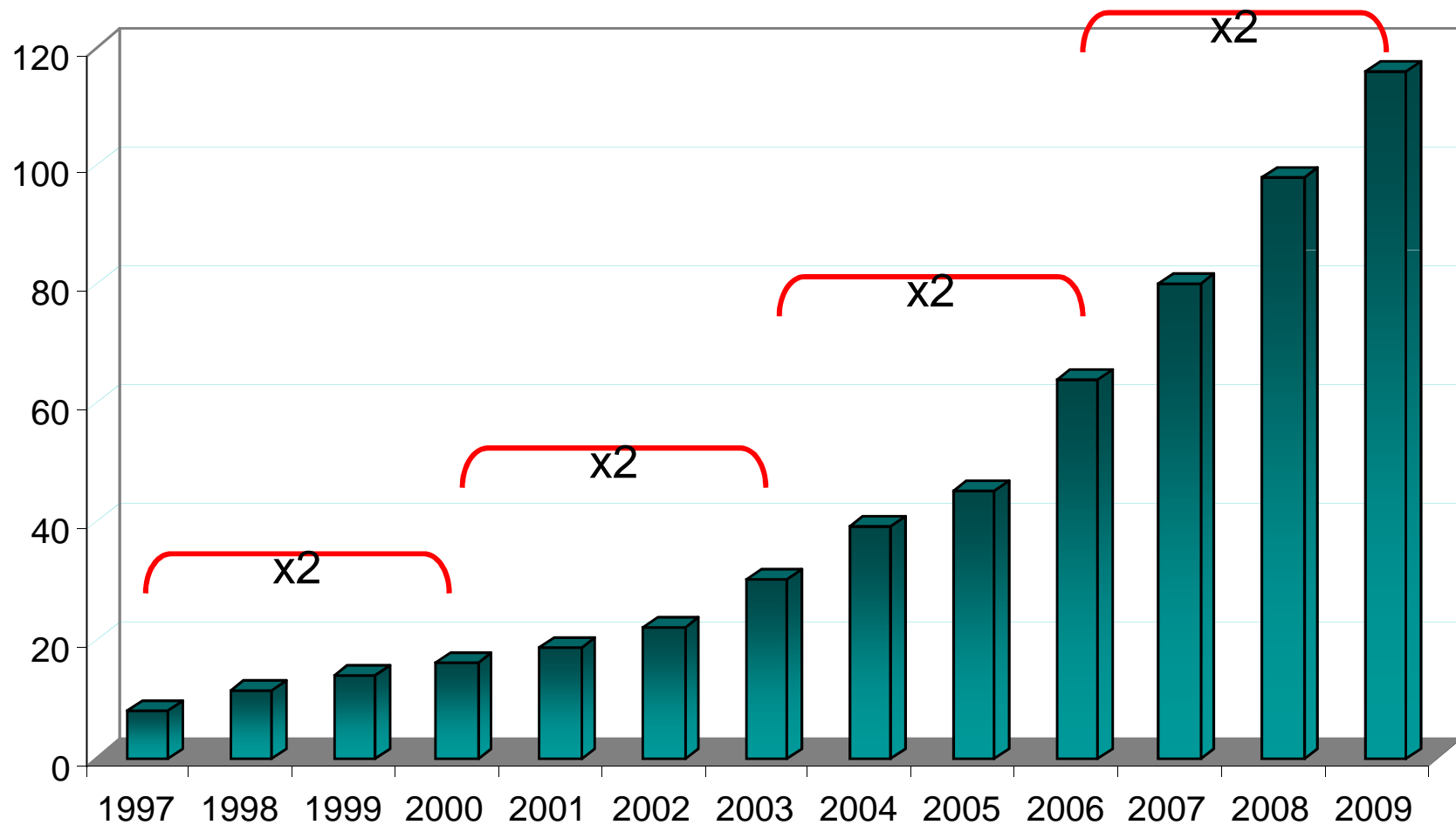
Global operation

- Distributors located in more than 60 countries around the world
- Headquarters in Taiwan and branch offices on three continents

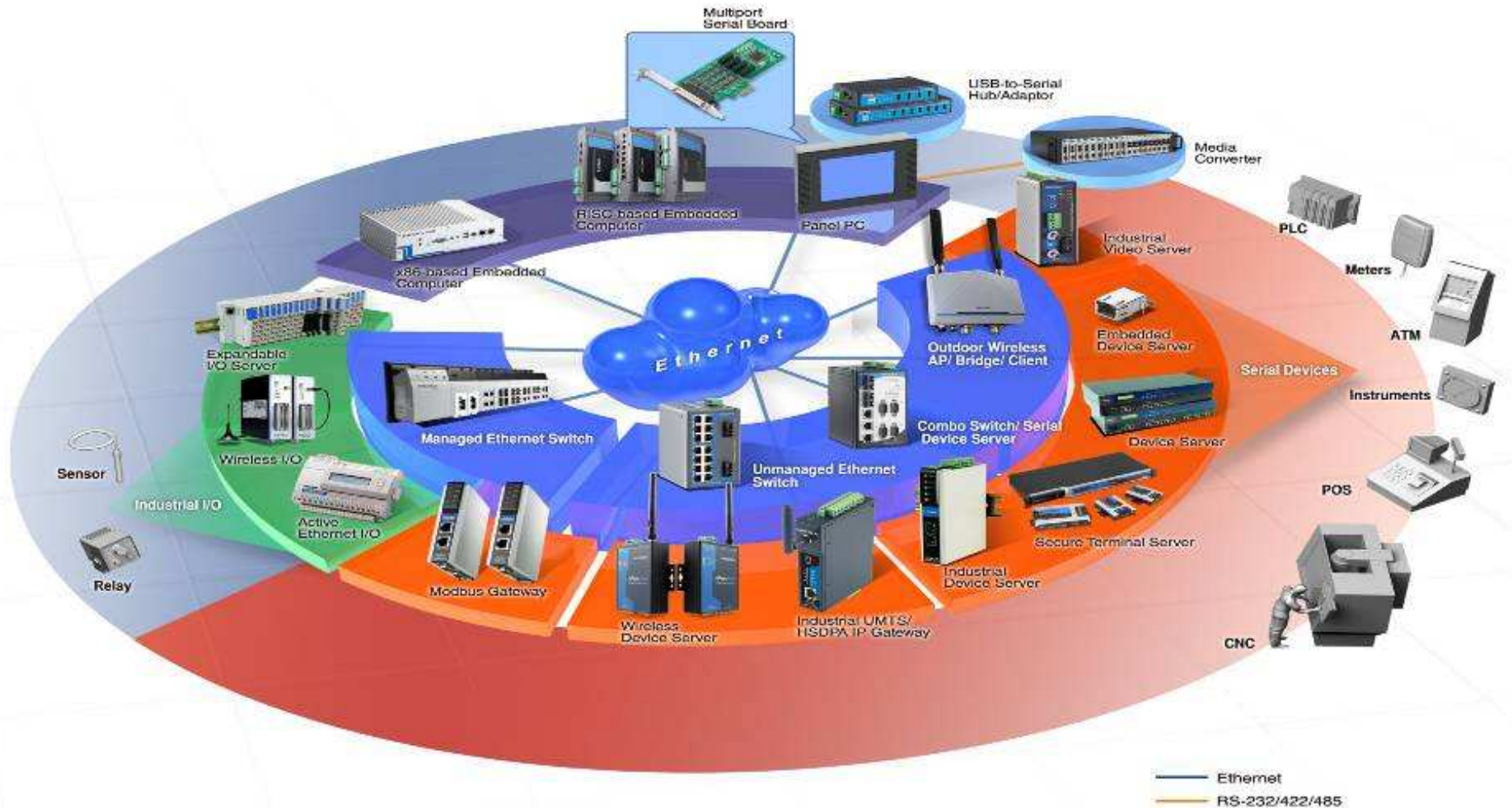


Healthy growth


■ Moxa's revenue has doubled every 3 years



Complete Device Networking Portfolio



Innovative Technologies

Application	Protocol conversion, IP networking, SDK, Network management
Embedded OS	Moxa's proprietary OS, Linux, eCos
Board Design	Green, wide-temperature, and high-level EMC immunity
ASIC Design Orientation	Fast Proprietary UART, CPU, MCM/ SIP 

Customers Worldwide



Environmental Responsibility

- Moxa's corporate duty to respect and protect nature in the course of doing business. Most or all of our products and business practices comply with the following environmental initiatives:



- ISO 14001 environmental management system certified from TÜV of Germany.



- RoHS compliance for most products.



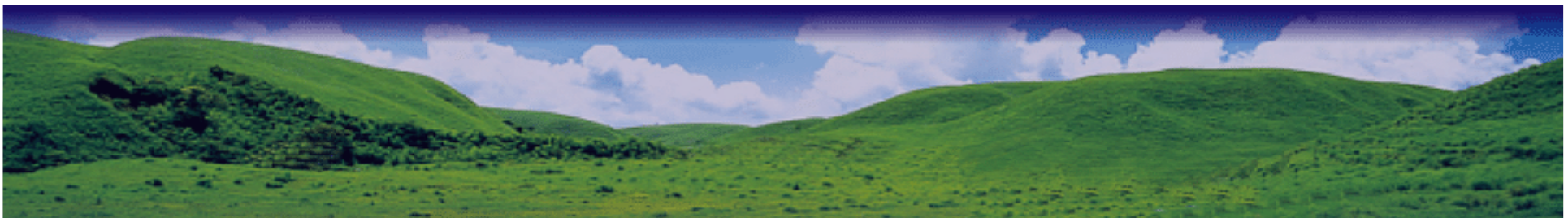
- China RoHS compliance for most products.



- PFOS compliance for most products.



- WEEE compliance for most products.







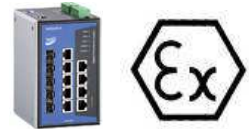

Moxa Product and Solutions

MOXA[®]

Moxa Solutions for Vertical Markets

MOXA[®]

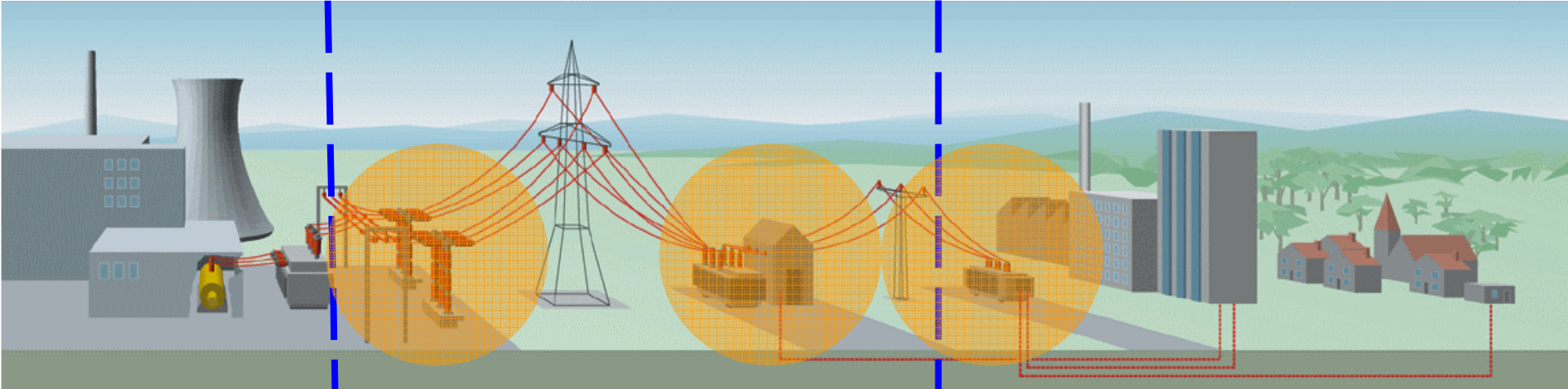
vertical market challenges & solutions

	power	transportation
solutions	<p>IEC61850-3 switches & computers</p> 	<p>EN50155 switches and IP cameras</p> 
	<p>extended temperature range</p> 	<p>DNV/GL certified devices</p> 
	<p>Class I, Division 2/ ATEX Zone devices</p> 	<p>EN50121 Ethernet switches</p> 

Moxa Products for Power Market



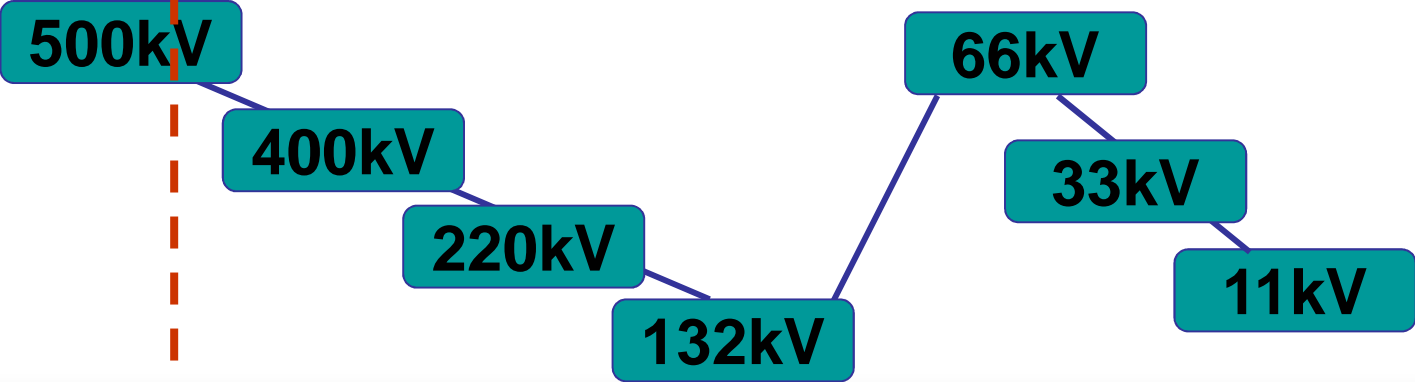
Power Transmission & Distribution



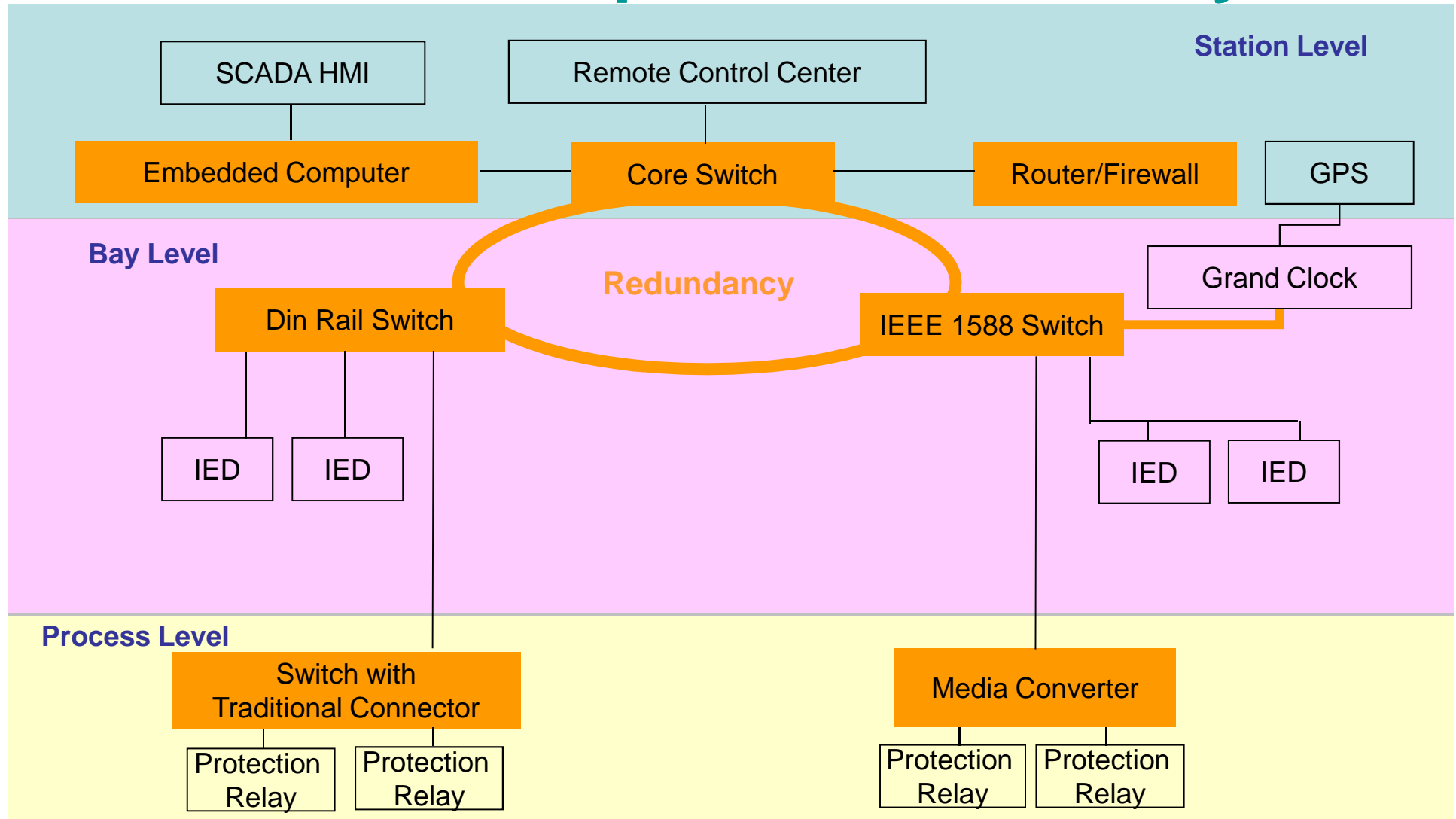
Generation

Transmission

Distribution



Substation Requirement Summary

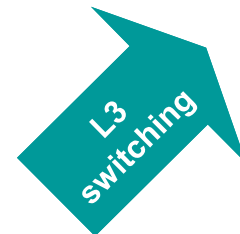


Existing “Core Switch” Products



PT-7828

24+4G-port **Layer 3** Gigabit modular managed Ethernet switch



PT-7728

24+4G port Gigabit modular managed Ethernet switch



New “Core Switch” Products

■ IKS-G6852

- L3/L2
- Up to 48G + 4*10GbE port
- Fan-less
- Modular design
(Hot Swappable)
- 0 to 60°C



■ IKS-G6828

- L3/L2
- Up to 24G + 4*10GbE ports
- Fan-less
- 0 to 60°C



Moxa Industrial Security Router

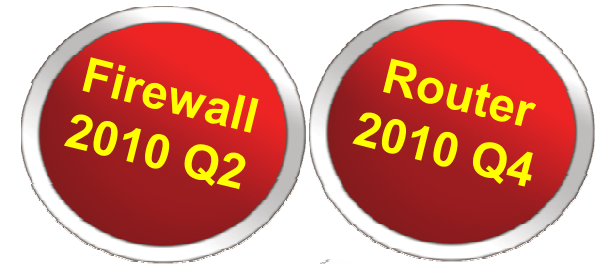
■ EDR-G903

• Hardware

- **Gigabit** Performance
- Up to 3 Gigabit ports
- Selectable DMZ/WAN port
- -40 to 75C

• Software

- All-in-One (Firewall/VPN/Router)
- Pre-define for Field bus protocols (Ethernet/IP, Profinet)
- Firewall Policy Check



**Redundant
WAN port**



New Moxa switches in “PT” family:

IEEE 1588 switches

DIN-Rail switches



PT-7628



PT-G7628

Q3-10

Q4-10

Q4-10

Q3-10



PT-510-3GT
7+3G



PT-508-2FO
6+2FO

An aerial photograph of a large railway yard during sunset. The scene is filled with numerous parallel tracks stretching into the distance. Several high-speed trains are visible on the left side of the frame. The sky is a mix of orange, pink, and blue, indicating the time is either dawn or dusk. In the background, there are some buildings and a crane, suggesting an industrial or urban setting. The overall atmosphere is calm and industrial.

Moxa Solutions for Railway

Moxa Ethernet switches for rolling stock

Unmanaged anti-vibration M12 switches



TN-5308-LV
TN-5308-4PoE

TN-5308-MV

TN-55xx M12 managed switches



TN-5516
16+2Gport
EN50155 switch



TN-5516-8PoE
16port EN50155 PoE switch



TN-5516

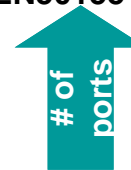
16port EN50155 switch



TN-5508-4PoE
8port EN50155 PoE switch



TN-5510
8+2Gport
EN50155 switch



TN-5508
8port EN50155 switch

V24xx Intel Atom transportation computers



■ Intel Atom N270 CPU (1.6GHz)



V2422

VGA, DVI-I

2x 10/100/1000BaseT(X) (RJ45)
4x RS-232/422/485, 2x USB2.0

2x expansion slot (WiFi, GPS, CAN , cellular)



V2426

VGA, DVI-I

2x 10/100BaseT(X) (M12)

4x RS-232/422/485, 2x USB2.0 (1xM12)

EN50155, EN50121

2x expansion slot (WiFi, GPS, CAN , cellular)



V2401

VGA, DVI-I, LVDS

2x 10/100/1000BaseT(X) (RJ45)

4x RS-232/422/485, 8x RS-232

2x USB2.0

LVDS
RS-232



V2402

VGA, DVI-I

2x 10/100/1000BaseT(X) (RJ45)

4x RS-232/422/485

2x USB2.0

EN50155
EN50121



V2406

VGA, DVI-I

2x 10/100BaseT(X) (M12)

4x RS-232/422/485

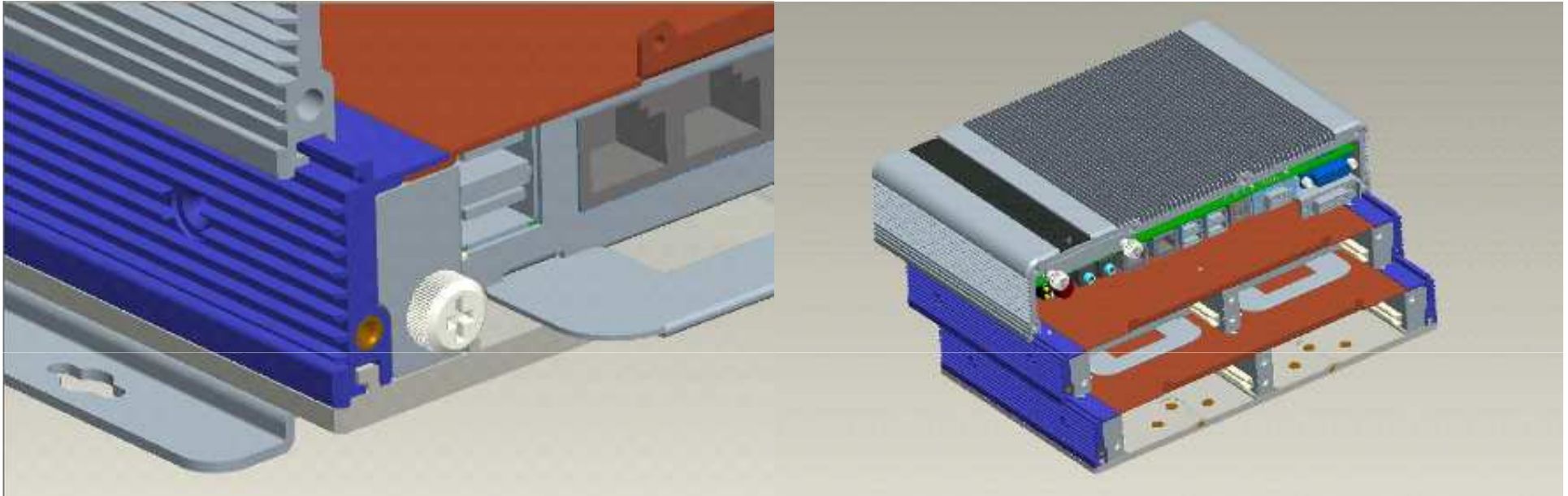
2x USB2.0 (1xM12)

EN50155, EN50121

expansion
slots

MOXA

V2422 / V2426 - flexible expansion module design



- standard V242x provides 1 module enclosure with 2 slots
- customization possible with 2 module enclosures

Questions ?

Summary

- 23 years of experience in design and manufacturing
- Highly reliable devices with 5 years warranty
- Unique Turbo Ring / Turbo Chain technologies for flexible and redundant networks
- Broad product portfolio to build and manage your network using only one vendor.
- Professional and reliable local partner with good reputation and support

Thank you.

MOXA®