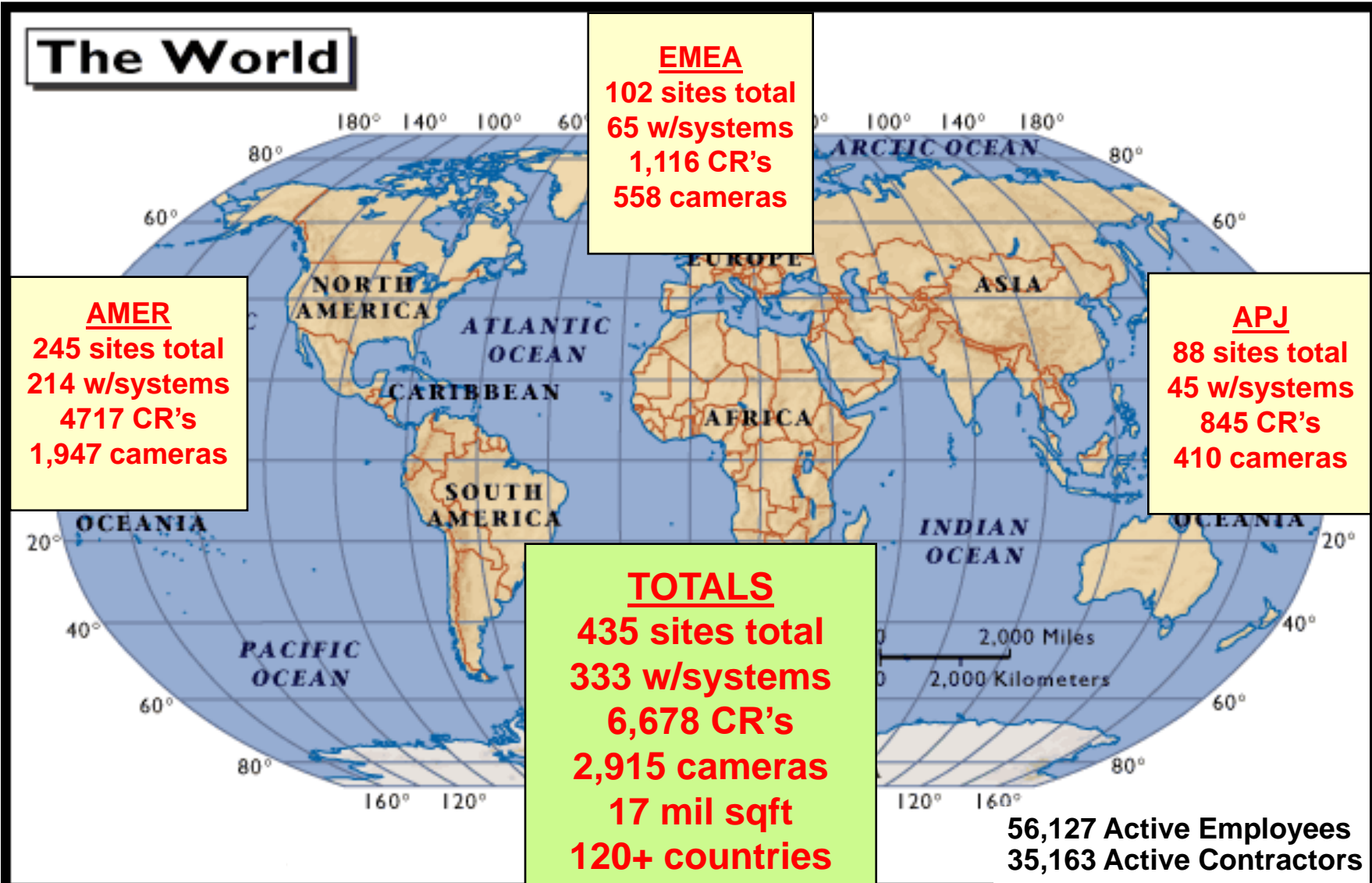




IT and Physical Security Convergence



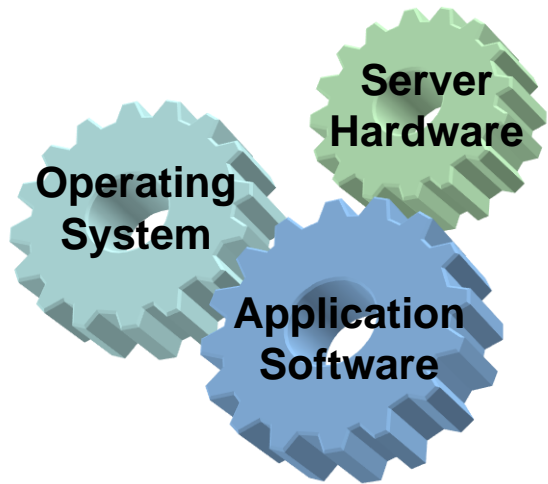
CISCO PHYSICAL SECURITY SCALE



IT/SECURITY CONVERGENCE

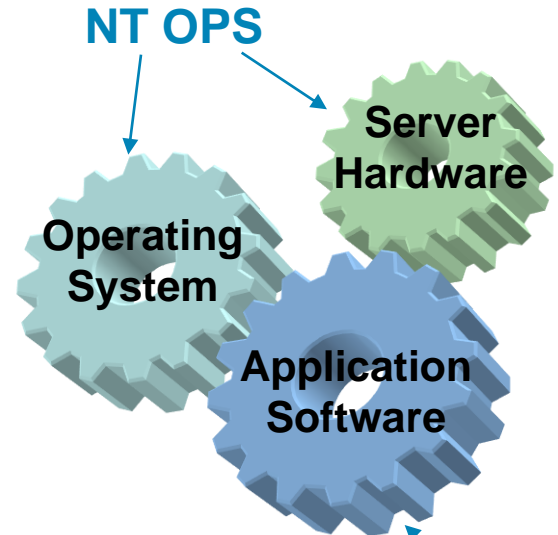
INDUSTRY CHANGES

Silo Support Model



Risk Technologies

Converged Support Model



Risk Technologies

CORE COMPETENCY FOCUS

SECURITY SKILL SET MIGRATION

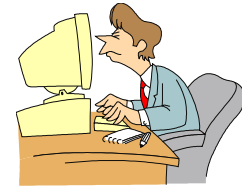
2002  Today and Beyond



Security Integrator

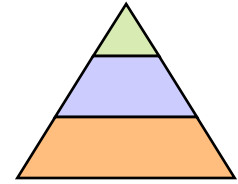
- Infrastructure Wiring
- Edge Device Wiring
- Edge Device Installation
- Gateway Installation
- Host System Installation
- Provisioning
- Turn-up and Test
- Status Monitoring and Troubleshooting

IT Integrator



- Infrastructure Wiring
- Edge Device Wiring
- Edge Device Installation
- Gateway Installation
- Host System Installation
- Provisioning
- Turn-up and Test
- Status Monitoring and Troubleshooting

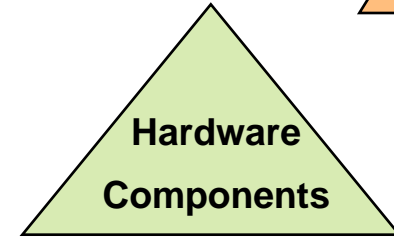
SYSTEM COMPONENT EVOLUTION



**Software And
Database**



**Communications
And Control**



**Hardware
Components**

'80s

Proprietary software and specialized databases

Proprietary comms. Direct connection between panels and computers

Proprietary panels and edge devices. Mini and mainframe computer support.

'90s

PC support. ODBC to connect to different data sources and to facilitate data sharing

**Gateway to support leased lines
Modems to support PSTN lines, analog wireless**

Emergence of black boxes / Specialized PCs

'00s

APIs and SDKs – Support for multiple databases

Support of ISDN and other higher speed lines

Emergence of De facto standards (Wiegand, common power requirements)



Support for some protocols like SNMP, HP Openview,

Gateways to connect to IP Networks

Support for COTS servers

Support for common access, message and control protocols like HTTP, XML, SOAP, CAP

Direct connection to IP wired and wireless Networks. Support for IP communications and control protocols

Emergence of IP based edge devices

Emergence of converged purpose network devices

CURRENT CONVERGED PROJECTS

- IPICS global roll-out
- Voice and Rules Policy Engine
- Notification Engine
- Telepresence Video Conferencing
- SyPixx, Video Analytics, Broadware Testing
- Smartcard for Converged Physical and Logical Security
- CCRE Solution Testing

CONVERGENCE EVOLUTION

As Physical Security equipment becomes more network centric, both IT and Physical Security groups must evolve and develop new processes and partnerships.

The boundaries of IT supported equipment continue to expand. IT and Physical Security must partner together to develop a IT/Physical Security evolution roadmap.

