



Rack level GDPR Compliance

Prepared for:

DPO Conference

designed to be better.™



Today's Agenda – 10:00AM to 10:30AM

- 1 **KEY GDPR DRIVERS FOR LEGRAND**
- 2 **PHYSICAL PROTECTION OF USER DATA**
- 3 **XERUS: RARITAN TECHNOLOGY DRIVEN PHILOSOPHY**
- 4 **RARITAN SOLUTIONS**

Key GDPR Drivers For Legrand



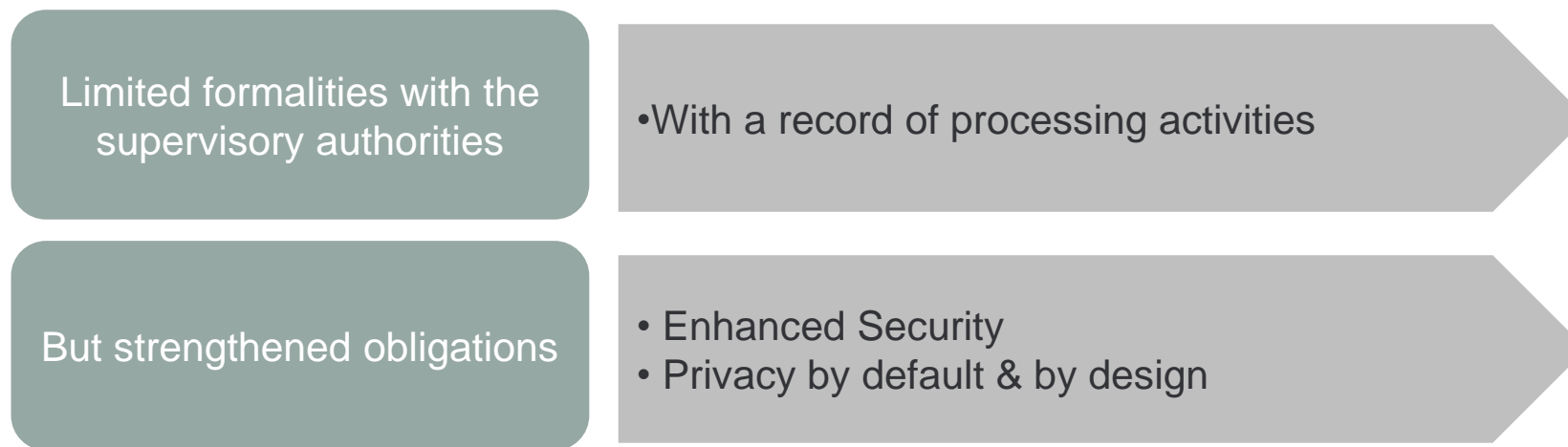
Defining Personal Data

Definitions	
Personal data	Any information concerning a natural person who is identified or directly or indirectly identifiable with reference to an identifier (e.g. name, identification number, location data, online identifier)
Specific categories of data (or sensitive data)	Racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, genetic data, biometric data, data regarding health, sex life or sexual orientation
Data processing	Any operation or set of operations performed on personal data : collection, recording, organisation, storage, extraction, adaptation or alteration, consultation, use, disclosure by transmission, publication, erasure or destruction, locking
Controller	Natural or legal person which, alone or jointly, determines the purposes and methods of processing
Processor	Natural or legal person, public authority, agency or any other body which processes personal data on behalf of the controller



Principle of Accountability

Accountability : Obligation to implement internal mechanisms and procedures to demonstrate compliance with data protection rules



- **Enhanced security:** Obligations for data controllers and processors , and **management of security breaches**
- **Privacy by default & by design:** Obligation to deploy processes to accommodate data protection **from design and by default**

Concept of Privacy

Organizational and technical measures to ensure:

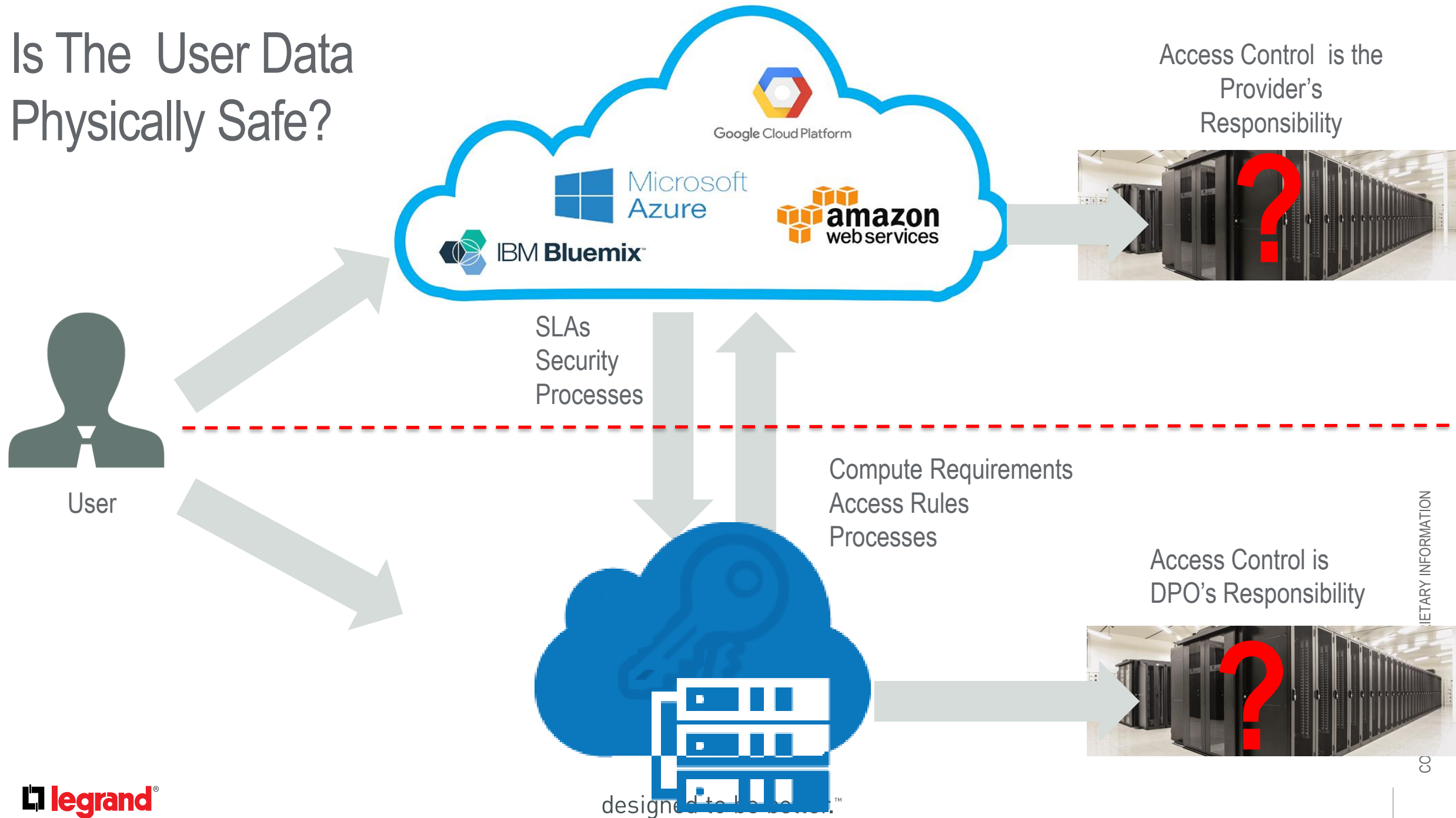
Privacy by Design : Protection of data from the design of the information system until the end of the processing

Privacy by Default: Prevention by default of the free access to the data, data protection shouldn't be optional

Physical Protection of User Data



Is The User Data Physically Safe?



Why protect access at the physical level?



- Liability: Ability of proof in case of unauthorized access
- Justify Compliance: Maintain audit trail of access to user data
- Keep track of changes and access times
- Enforce procedures for access control
- Guarantee integrity of data processing and traceability throughout its lifecycle



Xerus™ Technology Platform

Technology-driven Design philosophy

designed to be better.™



Introducing Xerus™ Technology Platform

Hardware and Software designed together

Mechanical / Electrical Design and Fabrication

Product Chassis and core electrical components

Embedded Systems Design and Fabrication

Onboard Computer and Firmware



Xerus

Xerus™ Technology Platform

Advanced high-tech at the core of
every power product



• MAKING YOUR DATA CENTER EASIER TO MANAGE

- Leverage real-time insights with alerts to help prevent issues causing downtime
- Capture and Harmonize Thousands of Metering Data Points Across Your Facility
- Enhance Your Perception of Business-Impacting Errors and Environmental Conditions
- Securely Connect and Deploy a More Resilient Infrastructure Framework

Xerus Technology Platform

USER INTERFACE/API

Responsive HTML GUI and PDView Free Mobile app

APPLICATIONS

Environmental Monitoring, User Access Management, Rule Based Alerting, Asset Management, Power and Energy Mangment

NETWORK SECURITY

Certificates, Firewall, DDOS Attack Protection, Strong Passwords, Enterprise Authentication

OPERATING SYSTEM

Owned Firmware Design, Hardened Linux CentOS, IoT Enabled

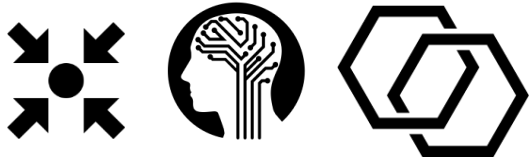
CONTROLLER

Ø7 Controller with Color Dot Matrix Display and Extensive Features

HARDWARE

In-house Mechanical, Electrical and PCBA Design. Best in Class Testing and Assembly. Unlimited Customization, Perfect Fit to Any Rack Environment

XERUS™ PLATFORM BENEFITS



UNIFY SYSTEMS FOR MORE INTELLIGENCE

- Plug and Play hardware integration
- Easy Data Aggregation



DELIVER UNPARALLELED SECURITY

- Get the latest security updates
- Exceed compliance with your enterprise requirements



SIMPLIFY YOUR PATH TO DCIM

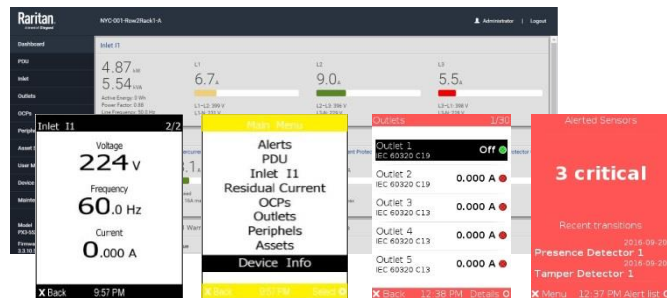
- Organize data inputs in a scalable, automated system
- Increase remote tasks and fluidify management



BUILD A FUTURE-PROOF INFRASTRUCTURE

- Leverage existing hardware, benefit from added features
- Grow your business applications, on the same infrastructure

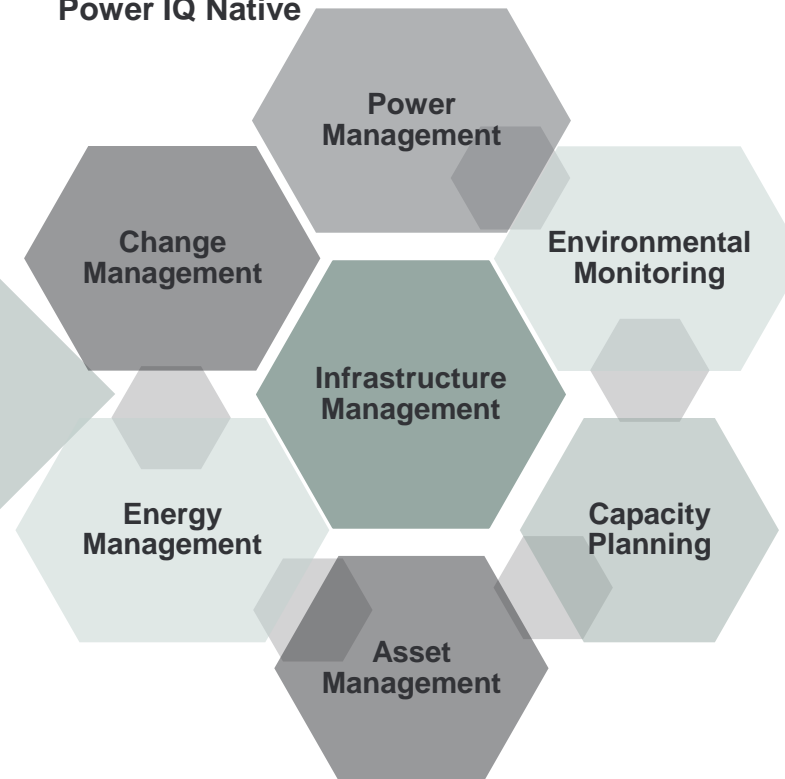
XERUS DELIVERING WHITE SPACE INFRASTRUCTURE INTELLIGENCE



Xerus™ Technology Platform

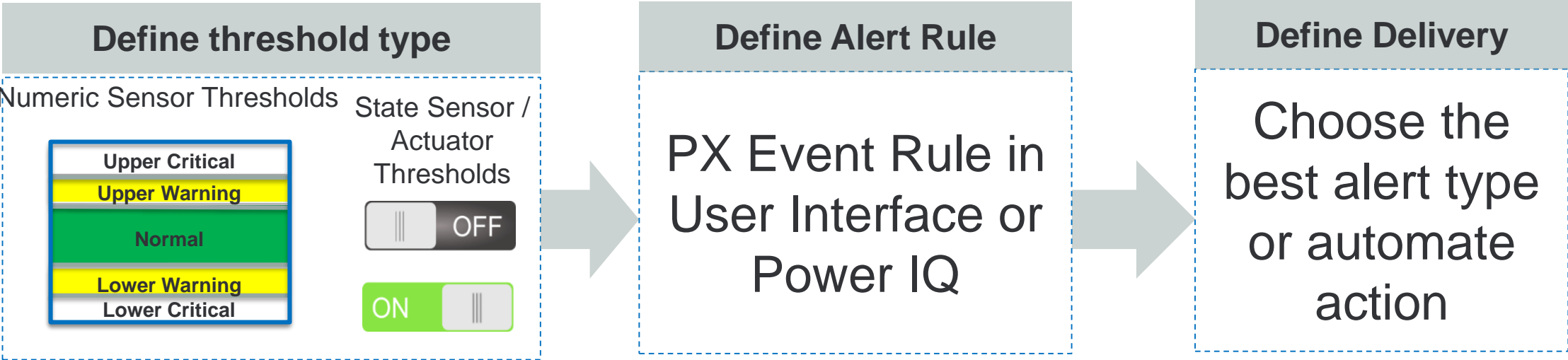
- Common Firmware
- Common Engineering and testing
- Aggregates all data and connectivity
- Facilitates communication (M2M, M2U)
- Increases security
- Enables Custom commands/config
- Delivers Data Display / UI

DCIM Applications Power IQ Native



Obtain early warnings with multiple granular thresholds

More sensing points = more ways to monitor



Advanced Alarming: Xerus™ User Engine Control Access and user behavior

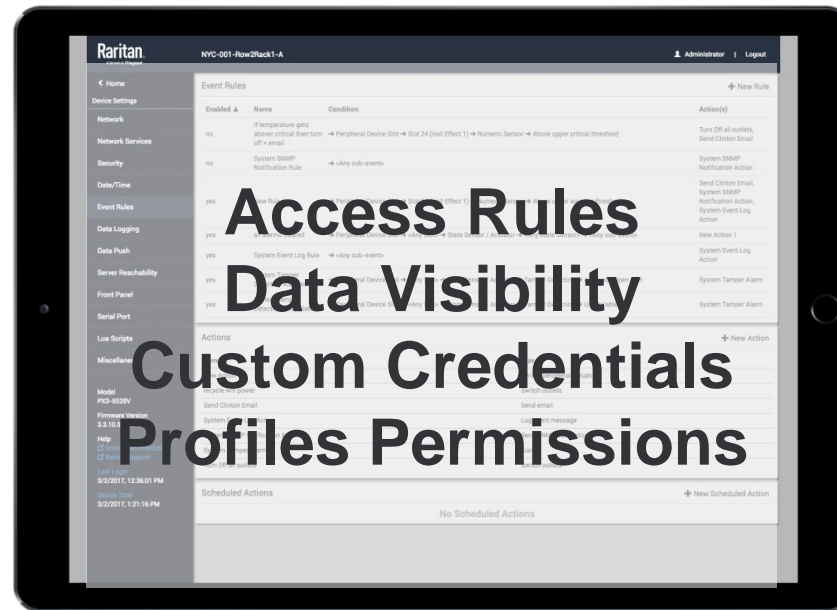
LDAP/RADIUS

Power IQ / DCIM

Manual Input /
Scripting /
ADMIN

Security /
Access Control
SW

Xerus User Engine



Xerus Alert Engine

Link Alerts to user behavior

Track Log

Push new Credentials

Enforce security policy
(Login attempts, strong
passw...)

Powered by Xerus
designed to be better.™



Raritan Solutions

Power Distribution and Infrastructure Monitoring

designed to be better.™



Legrand NORTH & CENTRAL AMERICA

OVER
3,300
EMPLOYEES

US

BASED
MANUFACTURING

LARGEST
DIVISION OF
LEGRAND

\$1.75B
IN SALES 2016

- **LEGRAND FOUNDED IN 1865**
- **GLOBAL FOCUS ON SWITCHES AND SOCKETS (20% GLOBALLY)**
- **CABLE MANAGEMENT (15% GLOBALLY)**
- **OVER 120 TOTAL ACQUISITIONS**
- **90+ PRODUCT FAMILIES**
- **Raritan + Server Technology: PDU Market Leaders**

Legrand WORLDWIDE

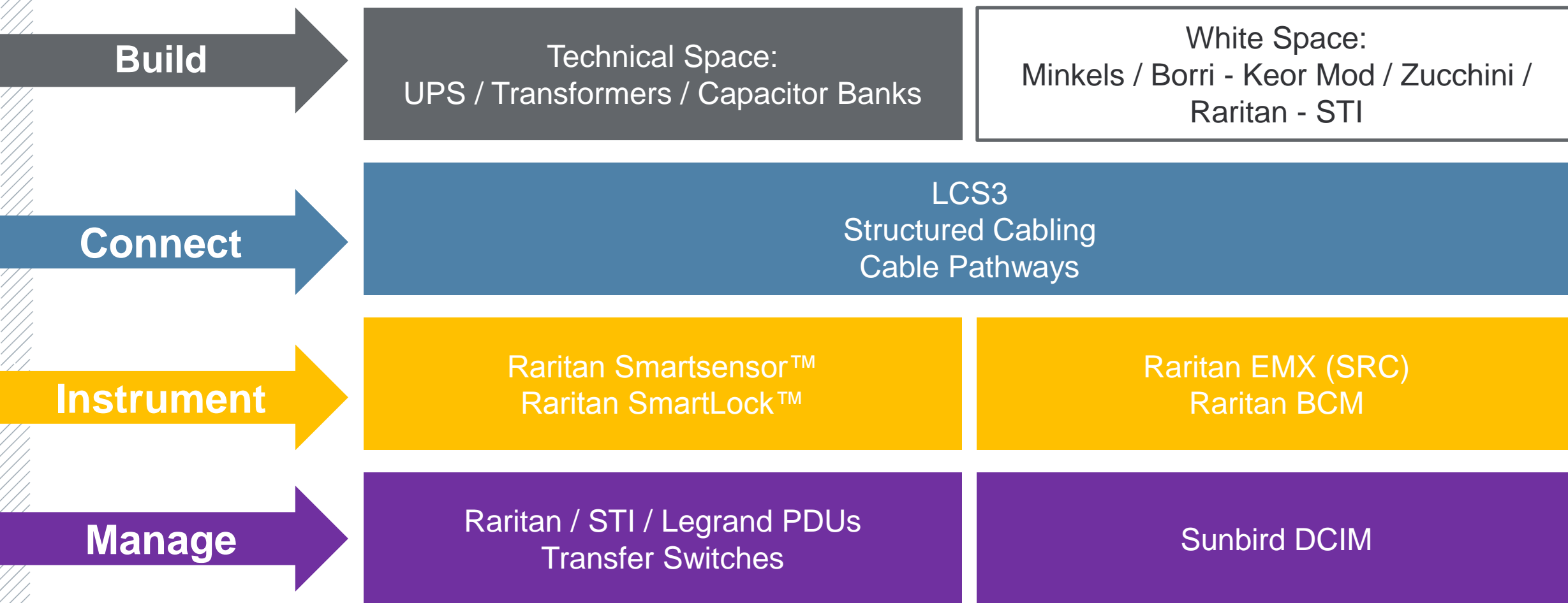
OVER
36,000
EMPLOYEES

FACILITIES IN OVER
90 COUNTRIES

PRODUCTS SOLD IN NEARLY
180 COUNTRIES

+\$5 BILLION
publicly traded company
(LGRVF)

How LDCS Wins: Integrated Solution



RARITAN – LEVERAGING XERUS ACROSS THE WHITE SPACE



Intelligent Rack
Power Distribution

Branch Circuit and
Busway Monitoring

Environmental Monitoring

Asset Management

Cabinet Door Access

Power Monitoring Software

Remote Server
Access And Control

SmartLock™, Door Access Control

CABINET ACCESS CONTROL AND COMPLIANCE MADE EASIER

A simple data thread for Rack Access Control:



Support Compliance with PCI-DSS 3.2, SOC1, SOC2 Type II, SOC 3, SSAE-16 and HIPAA, Supporting for EN 50600 and GDPR

SmartLock **FIRST®**

SmartLock **ENHANCE®**

SmartLock **ADVANCE®**



designed to be better.™



SmartLock™ Key Application

Plug and Play Rack Security and compliance

ENTERPRISE ACCESS
CONTROL
SECURITY SOFTWARE

POWER IQ DCIM
SOFTWARE

XERUS USER ENGINE
legrand®

SMARTLOCK
INTELLIGENT
DOOR
SENSOR
DX2-DH2C2

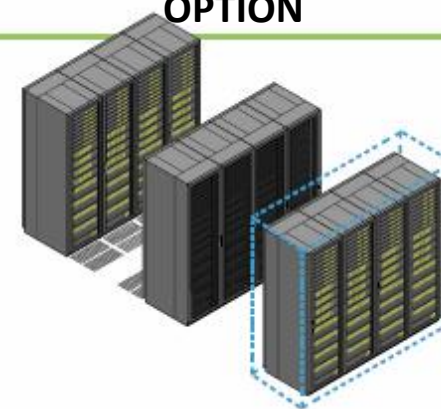
USB WEBCAM
SUPPORT
DX-CAM

DOOR POSITION
SENSOR

Smartlock FIRST
SmartLock ENHANCE
SmartLock ADVANCE

3rd PARTY LOCKS
- SOUTHCO
- EMKA / DIGITUS
- DIRAK

VIRTUAL CAGING
OPTION



legrand better.™

White Space Infrastructure Solutions

Power Management / Capacity Planning

PX Intelligent PDUs

Intelligent 3-level metering



Family	Outlet Switching	Outlet Metering	Inlet Metering	Breaker Metering
PX-5000	✓	✓	✓	✓
PX-4000		✓	✓	✓
PX-2000	✓		✓	✓
PX-1000			✓	✓

PX Inline Meters

No fuss inline metering



PXE SMB PDUs

Going EOL



Rack Transfer Switch

Reliable power transfers









Branch Circuit Monitors

Monitor branch circuits



- Improve Uptime and Mean Time Between Outages.
 - Increase Efficiency, Maximize Capacity.
- Future Proof your Data Center.
 - Improve your Environmental Footprint and Save Cost.

White Space Infrastructure Solutions

Environmental Monitoring		Rack and Asset Management			DCIM Software Integration
SmartSensor™ Monitor all environmental conditions 	Smart Rack Controller (SRC) Manages your sensors 	Asset Management Strip Plug and play asset tracking 	Asset Management Tags Unique identifier for each asset 	SmartLock™ Plug and Play security solution 	Power IQ Software to manage power 
Improve operational efficiency, reduce costs and downtime	Bring Intelligence to the Rack	Know where your assets are, Develop a single source of truth for all IT hardware			Centrally monitor, manage, report, and make insightful decisions
		Control and secure workflows, ensure compliance			

RARITAN – REMOTE SERVER MANAGEMENT AND CONTROL

Dominion®

KX III

Enterprise
KVM-over-IP



Paragon® II

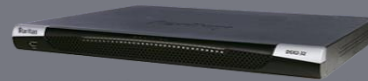
Analog Matrix KVM



Dominion®

SX II

Serial Console Server



Dominion®

KSX II

KVM/IP and Serial
Switch



Console Drawers

Energy Efficient 1U
Console



Command

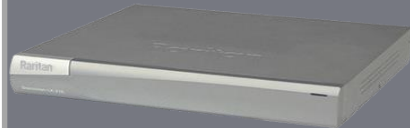
Center®

Consolidated Server
Access



Dominion® LX

KVM-over-IP for
SMBs



Master Console

CAT

Cat5 KVM for
SMBs



**Unparalleled security, quality and
reliability**

**Leader in remote server management
and out-of-band access**

**Broad portfolio for almost every
application**

**Only vendor committed to continuous innovation and
investment in improving KVM capability**



Thank you.

Questions welcomed.

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