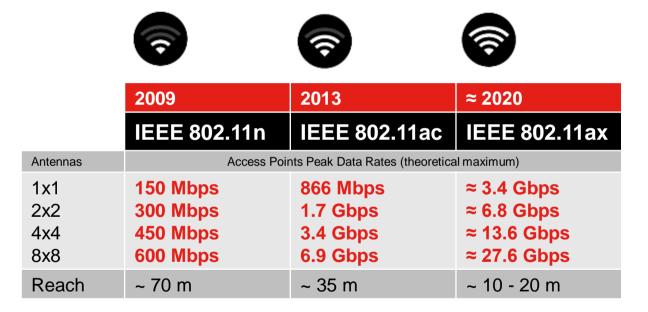


BRINGS ENERGY TO LIFE

### **Emerging standards for wireless**



>10G





#### Wireless drives for more bandwidth



**x10**Bandwidth

	PAST	NOW
Cat 5e	1G	2.5G
Cat 6	1G	5.0G
Cat 6A	10G	10G
Cat 7A	10G	25G

# Limitations & performance?

Bundle sizes?
Distances?
Alien crosstalk?
Heat?



### **New standards for Power over Ethernet**



**POWER** 

x3 Power

	2003	2009	2017	2017
	PoE Type 1 IEEE802.3af	PoE+ Type 2 IEEE802.3at	PoE++ Type 3 IEEE802.3bt	PoE++ Type 4 IEEE802.3bt
Power sent	15.4W	30W	60W	90W
Power delivered	12.95W	25.50W	51W	71W
Number of pairs	2	2	4	4



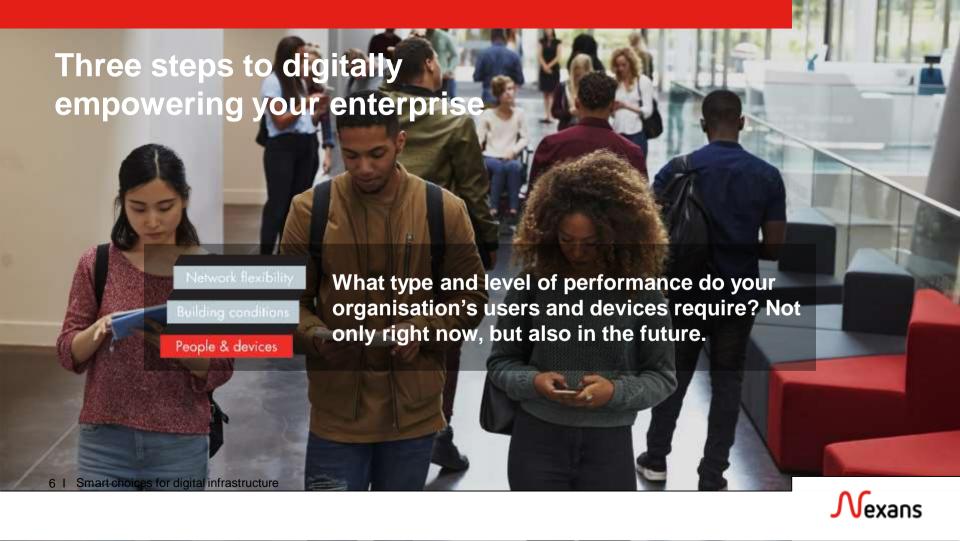
# Three steps to digitally empowering your enterprise



To **meet explosive growth** in demand for bandwidth and functionalities, and ensure cabling, connectivity and networks hold up in an increasingly demanding environment, a **digital transformation** is needed.

**Nexans' three-step approach** makes it easier to find a solution, as there's **no 'one size fits all' answer.** 



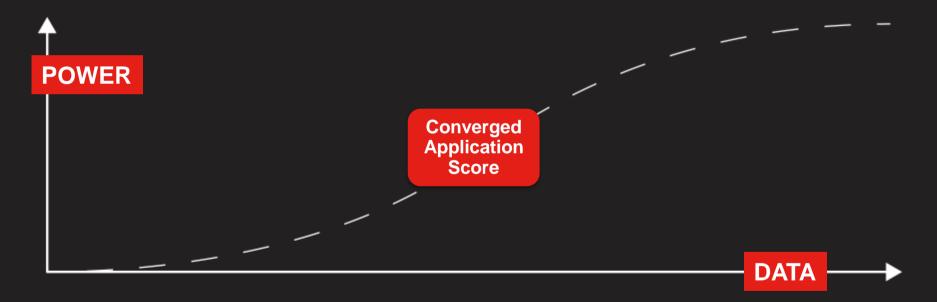


### **Evolution of convergence**



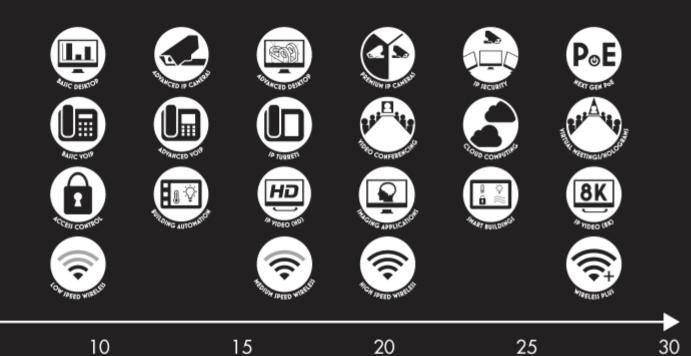
# How to select the cabling that will offer the right performance?







## Your Converged Application Score?



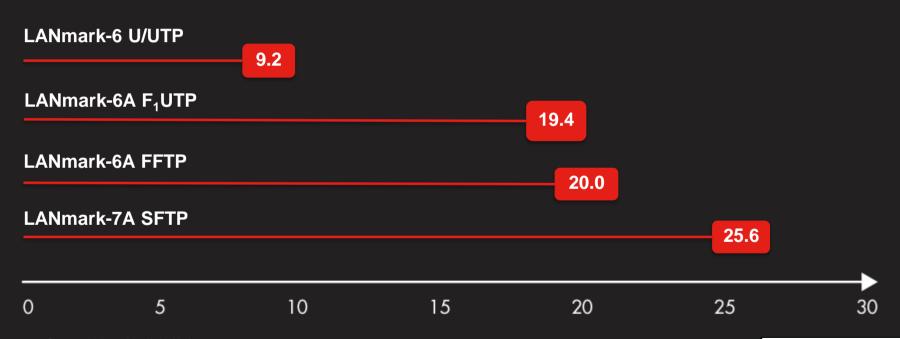
9 I Smart choices for digital infrastructure

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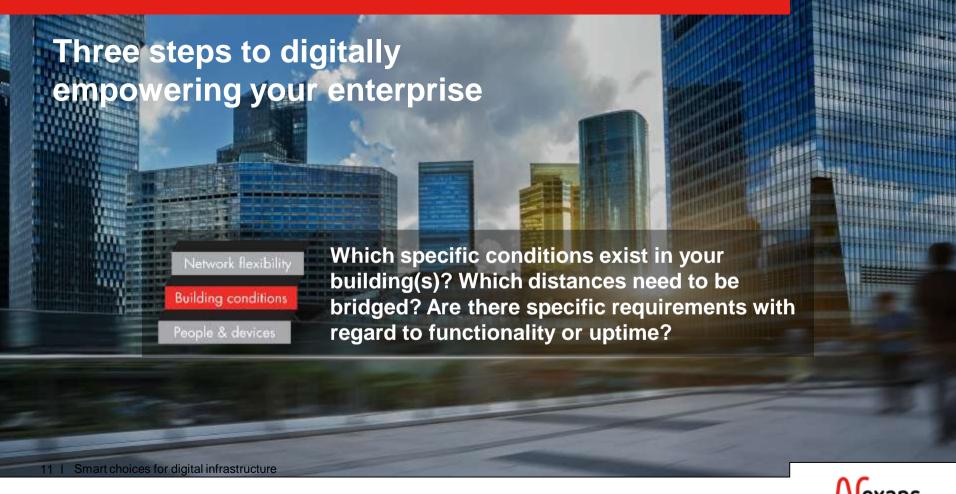
# LANmark





10 I Smart choices for digital infrastructure













High risk area's Consequential damages Fire load





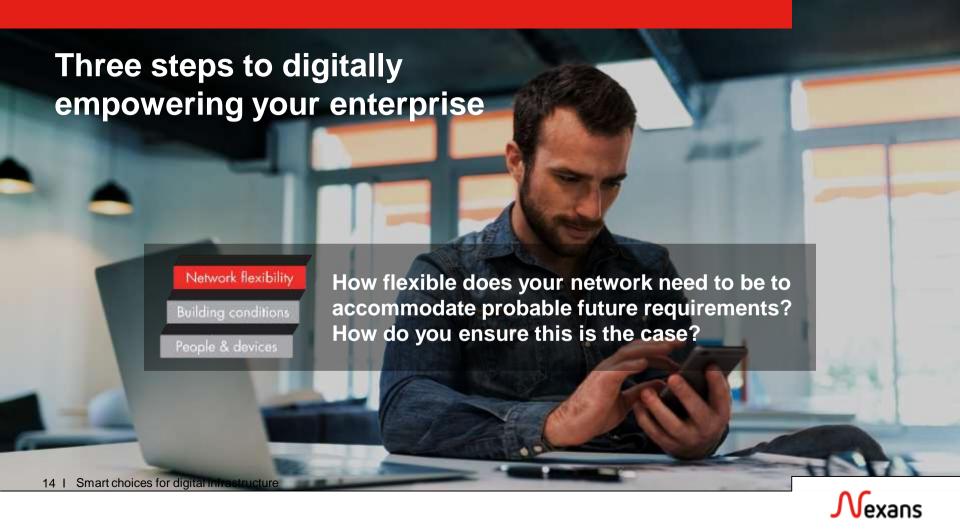






13 | Smart choices for digital infrastructure





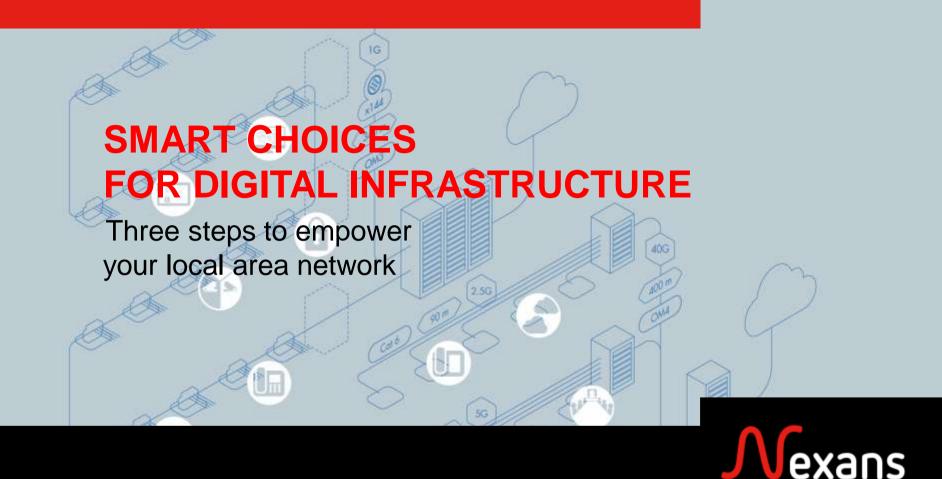


#### **LAN**mark

#### **LANsense LANactive**

	Traditional network architecture						FTTO
	Horizontal cabling		Backbone		AIM		
Parameters driving solutions choices:	LANmark-6 UTP	LANmark-6A FTP	LANmark-7A	LANmark-OF3	LANmark-OF4	LANsense	LANactive with NEXMAN
People & devices							
Bandwidth							
Energy							
CA score							
<b>Building conditions</b>							
Extended drive distance							
Reduced space requirements							
Harsh environment support							
Reaction to fire / fire load							
Enhanced Security							
Network Flexibility							
Planning							
Automated documentation							
Redundancy							





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