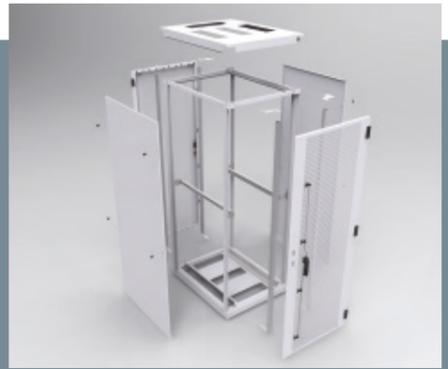
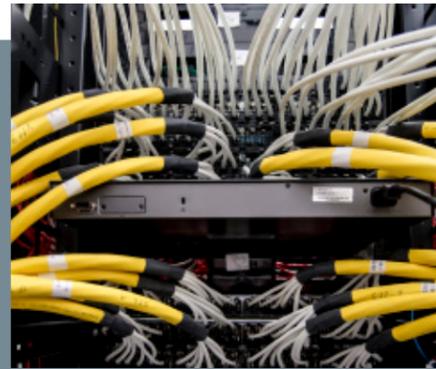




BUILDING INFRASTRUCTURE

A TOTAL SOLUTION FOR BUILDING-
RELATED (IT) INFRASTRUCTURE



'Single point of contact'

Legrand is a global specialist in building-related (IT) infrastructure. In the Netherlands Legrand mainly focuses on non-residential buildings, machinery and panel construction as well as the industrial sector for energy distribution, communications networks and building automation. With Legrand, customers benefit from having a single point of contact for their entire project.

All systems and solutions are designed to work in harmony with each other. This means full integration ranging from the LAN node / MER / SER to the server room. A single point of contact for all equipment with fast delivery, easy installation and low failure costs.

Server rooms

Server rooms / MERs form an integral part of the building infrastructure for local (decentralised) data traffic. The IT network must be rolled out to the workstation from the technical area. Pages 4 and 5 show you what this rollout looks like. Setting up a professional server room is complex and demands specific knowledge and expertise. Therefore, Legrand engages the expertise of its sister company, Minkels, a leading European manufacturer and global supplier of sustainable data centre and server room solutions.

Easy, cost-effective and efficient

The purpose of the far-reaching partnership between Legrand Netherlands and Minkels is to make things easier and more cost-effective for the customer. One supplier that offers a complete solution for building-related (IT) infrastructure at the lowest possible cost. There is a high level of synergy between the Legrand and Minkels products that work together to provide customers with the best of both worlds. While Minkels has integrated server room solutions including energy-efficient housing, cooling, monitoring and power distribution, Legrand is specialised and has proven technologies in building-related infrastructure (including switches and distribution equipment, cable management systems, UPS systems and busbar systems).

The benefits:

- 'Single point of contact' for complete (IT) infrastructure
- Comprehensive solution with products designed to work hand in hand to provide the lowest possible integral installation and maintenance costs
- Reduced risk and failure costs
- Proven technology from a global specialist

Our promise:

Powered by experts!

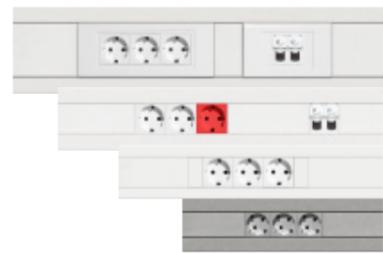
BUILDING-RELATED (IT) INFRASTRUCTURE

The below pictures illustrate how the Legrand and Minkels products are used in a building.

PATCH PANELS



WORKSTATION OUTLETS



RAIL CONDUIT SYSTEMS



LAN CABINETS

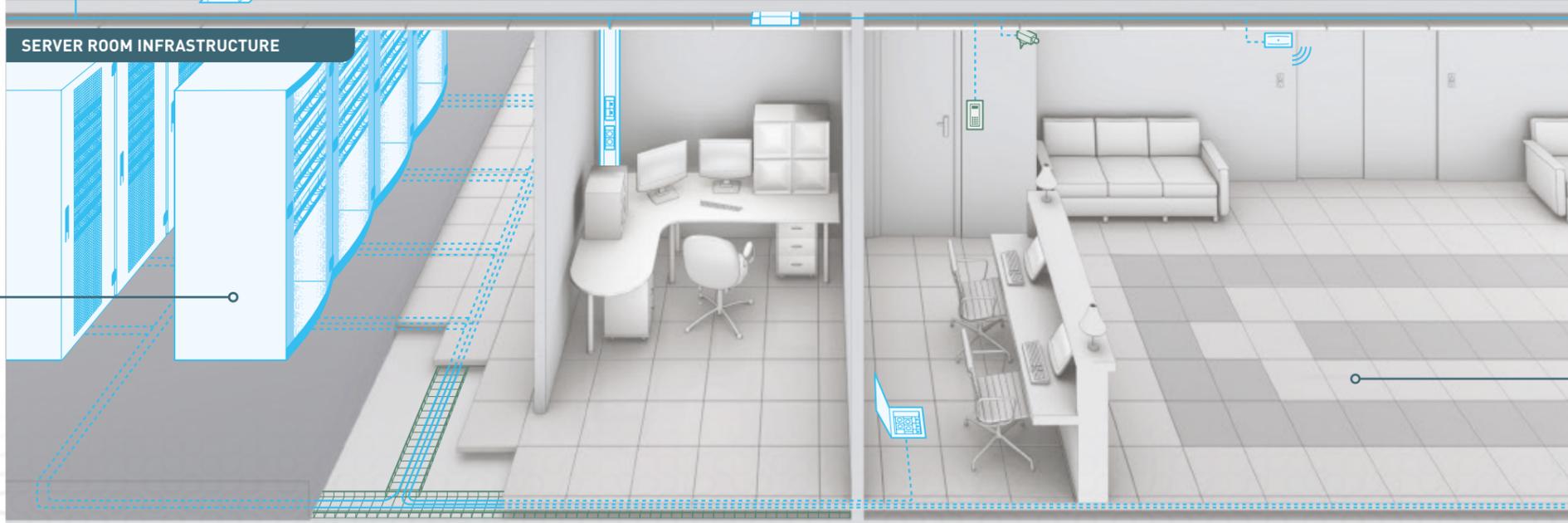
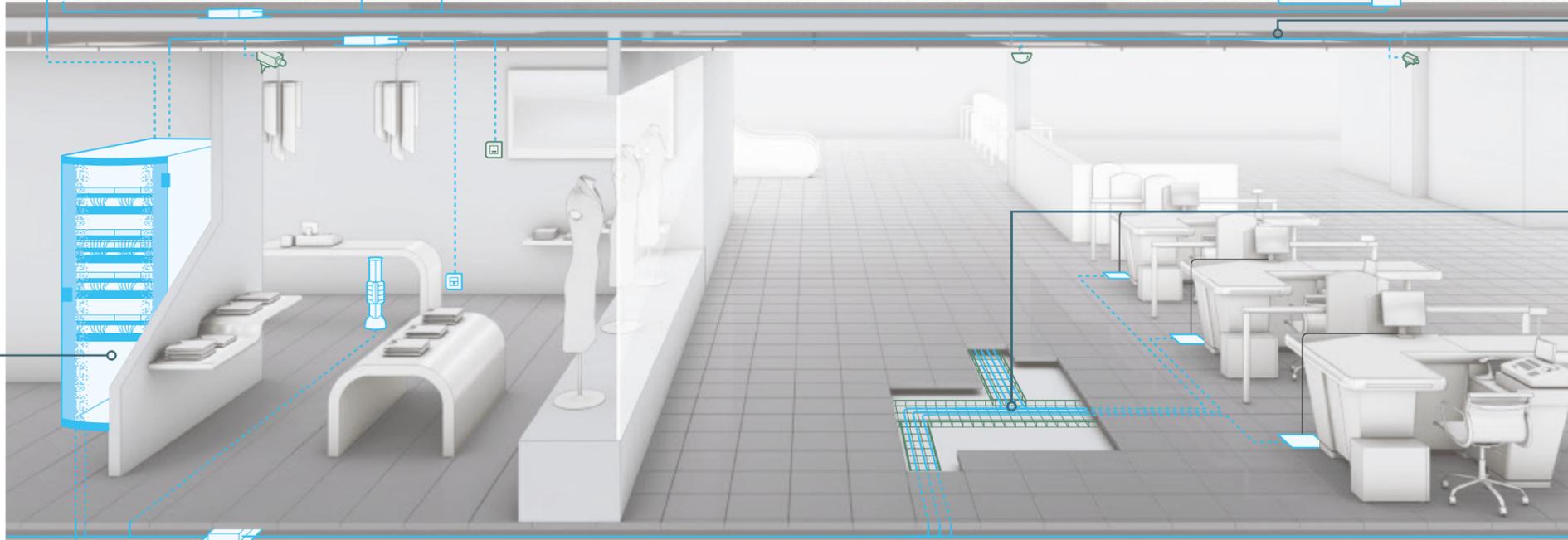
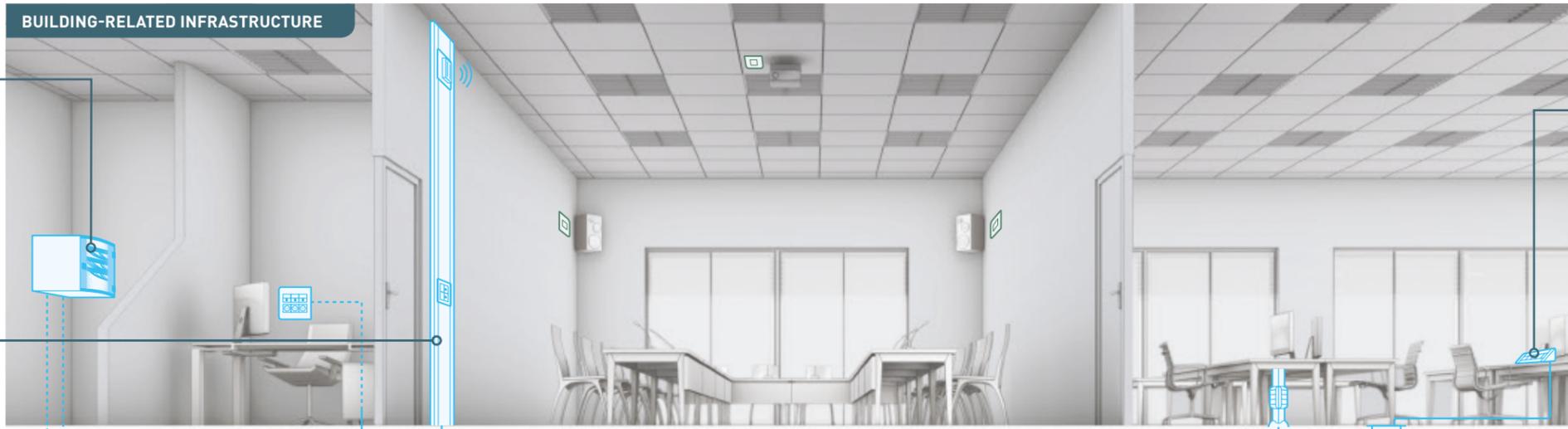


MICRO DATA CENTRE SOLUTIONS

- MatrixCube
- MiniCube



BUILDING-RELATED INFRASTRUCTURE



WORKSTATION OUTLETS



COPPER AND FIBRE NETWORK



CABLE DUCT SYSTEM

Horizontal and vertical



FIRESTOP WALL DEVICE

For floors and walls



FLOORING

Soluflex



PRODUCT PORTFOLIO

BUILDING-RELATED INFRASTRUCTURE

SWITCHES, DISTRIBUTION EQUIPMENT AND RAIL CONDUIT SYSTEMS



The Legrand switches and distribution equipment for up to 6300 amperes provide endless options for low voltage distributors and components for utilities, data centres and industry – safe and reliable products that form the heart of your installation. The switches and distribution equipment meet the highest international quality standards (can be built according to IEC 61439). Well-structured installations that are compact to assemble, but that also come with well thought-out details that save time, are safe, easy and ergonomic (option up to 4b design and IS333 service level). The Zucchini rail conduit system provides a modern, flexible and safe method to transport and distribute electricity. The base consists of copper or aluminium ducts encased in sheet metal. Rail conduit can be used in public areas, offices, data centres and industrial settings.

CABLE DUCT SYSTEMS



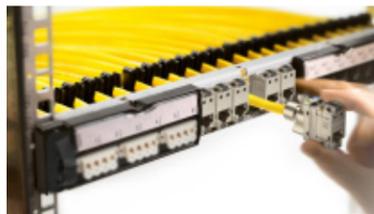
The Van Geel P31 cable tray is the standard in smart cable tray systems that require no screws. A system that provides top quality in all applications – from unprecedented fast assembly to an extensive package of tools and support that enable you to work easier and faster than ever before. Smart, fast and easy. The P31 OFT cable tray designed specifically for data centres ensures a safe and flexible installation of your fibre network. The Van Geel P31 cable tray is well-suited for fire proof equipment in compliance with DIN 4102.

FIRESTOP WALL DEVICE



EZ-Path is a firestop wall device for routing cables. The device closes if there is a fire. With this system cable routing can be adjusted at any time without losing its firestop qualities.

COPPER AND FIBRE NETWORK



The Legrand Cabling System? (LCS2) contains solutions and products for Cat. 6 and 6A as well as for fibre, consisting of patch boxes, patch panels, connectors and data cable. What's more, the perfect integration of the data system with our switching equipment, wall tray and flooring systems enables easy and trouble-free assembly. We would like to draw your attention to the high-quality connector without doggers that is quick and easy to connect.

WORKSTATION POWER OUTLETS



LCS2 is the right choice for ensuring optimum performance. A single, data system in which all selected components function perfectly together with fast and trouble-free installation. A comprehensive system from a single manufacturer with a 25 year guarantee!



FLOORING SYSTEMS



There are already hundreds of thousands of metres of Soluflex floors in use worldwide. There is a reason for that: The Legrand Soluflex cable floor systems provide optimum freedom of design and flexibility. Soluflex is more than just a raised floor. It is a floor, cable management system and connection system all in one. Soluflex is composed of 225 x 225 millimetre metal tiles on synthetic supports. Thanks to the different heights of these synthetic supports, the system is ideal for renovation projects. The space below the floor provides plenty of room for cables; therefore, no more messy, loose cables everywhere. Simply lay carpet tiles or other flooring on top to finish it off. This is ideal for smaller server rooms for easy power distribution from the floor.

PATCH PANELS



LCS2 stands out with excellent performance and easy assembly. This reliable method prevents twisted and bent cables, which is particularly important when using high speed (Cat. 6A). This connection system is also a great solution for Cat. 6 connectors. The system is used for both workstation and patch panel connectors. It increases and improves the easy and intuitive assembly, enabling you to create a professional connection in no time at all. A shallow cable tray or floor cover set can also be used while maintaining the right cable radius thanks to the compact connector.

LAN CABINETS



The Legrand LCS2 LAN cabinets are characterised by their design and functionality. The series ranges from a 6HE 10" wall cabinet up to 19" 47HE modular floor cabinets that can be fully disassembled and accessed, available in charcoal grey RAL7016. The depth of the 19" stiles is adjustable. The wall and the floor cabinets have a reversible curved door to create more space for the patch cables. The patch panels are attached using a clip system. This saves a tremendous amount of time in addition to the highly reliable Legrand connectors. A single patch panel can handle multiple technologies together. A fibre block with 6 connection sockets can be used alongside a block with 6 Cat. 6A connectors. This ensures optimum use of the space.

WALL CABINETS



Minkels wall cabinets are available as flat packs in a variety of height, width and depth sizes. They are constructed with an aluminium removable base frame with an integrated ventilation plinth and adjustable supports. The wall cabinets are available in the colour RAL 7047.

MORE INFO ABOUT OUR SOLUTIONS:

www.minkels.com
www.legrand.com

SERVER ROOM INFRASTRUCTURE

SERVER CABINETS



Minkels server cabinets are available in different heights and widths and have a standard depth of 1000 or 1200 mm. The cabinets are made of a removable aluminium base frame with an integrated ventilation plinth with adjustable supports. The server cabinets are equipped with 65% or 80% perforated doors. Both standalone and modular floor cabinets are available in the colours RAL 7047 and RAL 9011.

UPS



The modular Legrand UPS systems provide server rooms at SMEs and corporate environments with a modular UPS solution. They come with a power supply capacity ranging from 20 to 120 KVA for uninterrupted power with uptime guarantees for the IT environment in server rooms. As customary with critical equipment, we have a complete maintenance package and 24/7 intervention services available.

MICRO DATA CENTRE SOLUTIONS

The micro data centre solutions of Minkels and Legrand are all about making ordering easy. Simplicity combined with reliability, efficiency and cost-effectiveness. The fully assembled solutions can be ordered by only one article number. All solutions can be expanded upon with a number of options and accessories.

MICRO DATA CENTRE SOLUTION: MINICUBE

The MiniCube has everything you need for a full data centre: housing, power supply, monitoring and cooling, all in a compact system. The MiniCube is fully preconfigured and truly plug-and-play. Therefore, the MiniCube makes your IT manager's life easier!



MICRO DATA CENTRE SOLUTION: MATRIXCUBE

In the MatrixCube we brought power distribution, cooling, housing and mechanical infrastructure together in a single solution. This turns the MatrixCube into a complete and compact server room. The MatrixCube does not depend on the room it is in and can be implemented at almost any location within a business. No radical modifications to the building are needed.



Front of MatrixCube



Rear of MatrixCube



MINKELS NETHERLANDS

Eisenhowerweg 12
P.O. Box 28
5460 AA Veghel
t. +31 (0)413 311 100
info@minkels.com

MINKELS BELGIUM

Vaartdijk 59
3018 Wijgmaal (Louvain)
t. +32 (0)16 44 2010
info-be@minkels.com

MINKELS SWITZERLAND

Riedstrasse 3-5
CH -6330 Cham
t. +41 (0)41 748 4060
info-ch@minkels.com

MINKELS UK

4th Floor, 25-26 Lime Street
London, EC3M 7HR
t. +44 (0)1494 451706
info-uk@minkels.com

MINKELS FRANCE

Bâtiment D2
19 Bd. Georges Bidault
77183 Croissy Beaubourg
t. +33 (0)164 61 61 91
info-fr@minkels.com

MINKELS INTERNATIONAL

Eisenhowerweg 12
P.O. Box 28
5460 AA Veghel
t. +31 (0)413 311 100
info@minkels.com



FOLLOW US TOO ON

-  Minkels.com
-  Youtube.com/c/minkelshq
-  Twitter.com/Minkels_HQ
-  Facebook.com/Minkels
-  Linkedin.com/company/minkels