

SOLUTIONS FOR THE RAIL INDUSTRY



Global strength

built on local knowledge

Legrand transforms the spaces where people live, work and meet.

We're meeting the world's technological, social and environmental challenges by pursuing our purpose: to improve lives with electrical and digital infrastructures and connected solutions that are simple, innovative and sustainable.

Legrand in the UK and Ireland

We have been manufacturing in the UK since 1980 and our five manufacturing sites create mechanical, electrical, electronic and digital solutions. Around 80% of UK sales come from products manufactured in the UK.

With specialist sales people who have a thorough understanding of your industry and our team of engineers on the road to help with project management, commissioning, maintenance and any post-build challenges, we're with you every step of the way.



At Legrand we are committed to improving lives and this means creating a more sustainable world for everybody.

To achieve this, reducing our carbon footprint and developing a circular economy approach within our activities are our priorities. In addition, we are committed to promoting diversity and inclusion, while being a responsible business in our day-to-day relationships with all our stakeholders, especially our employees, customers and suppliers.



**CORPORATE SOCIAL
RESPONSIBILITY**
LEGRAND

LONG-STANDING EXPERTISE IN RAIL PROJECTS

Rail projects can be complex due to the variation in environment (indoors and outdoors), extreme conditions (vibration, weather, high traffic) and the need to keep public spaces open and functioning.

Our teams have supported many rail and infrastructure projects, designing effective and efficient electrical solutions to meet the most demanding requirements.

Holding relevant approvals across our portfolio, such as London Underground, RISQS and RATP, we understand rail projects and our extensive range of products can meet their varied needs.



A broad range backed by specialist expertise

CABLE MANAGEMENT



As the world leader in cable management our Swifts, Salamandre and Cablofil ranges can meet the needs of any project.

ENERGY CONTROLS



Our CP Electronics lighting and energy controls have been reducing energy consumption for over 50 years.

DIGITAL INFRASTRUCTURES



Our solutions for local area networks are designed with modularity, flexibility and energy efficiency in mind.

POWER DISTRIBUTION



Busbar, cast resin transformers, switchboards and protection devices - we've got your power distribution needs covered.

SOLUTIONS FOR ANY ENVIRONMENT

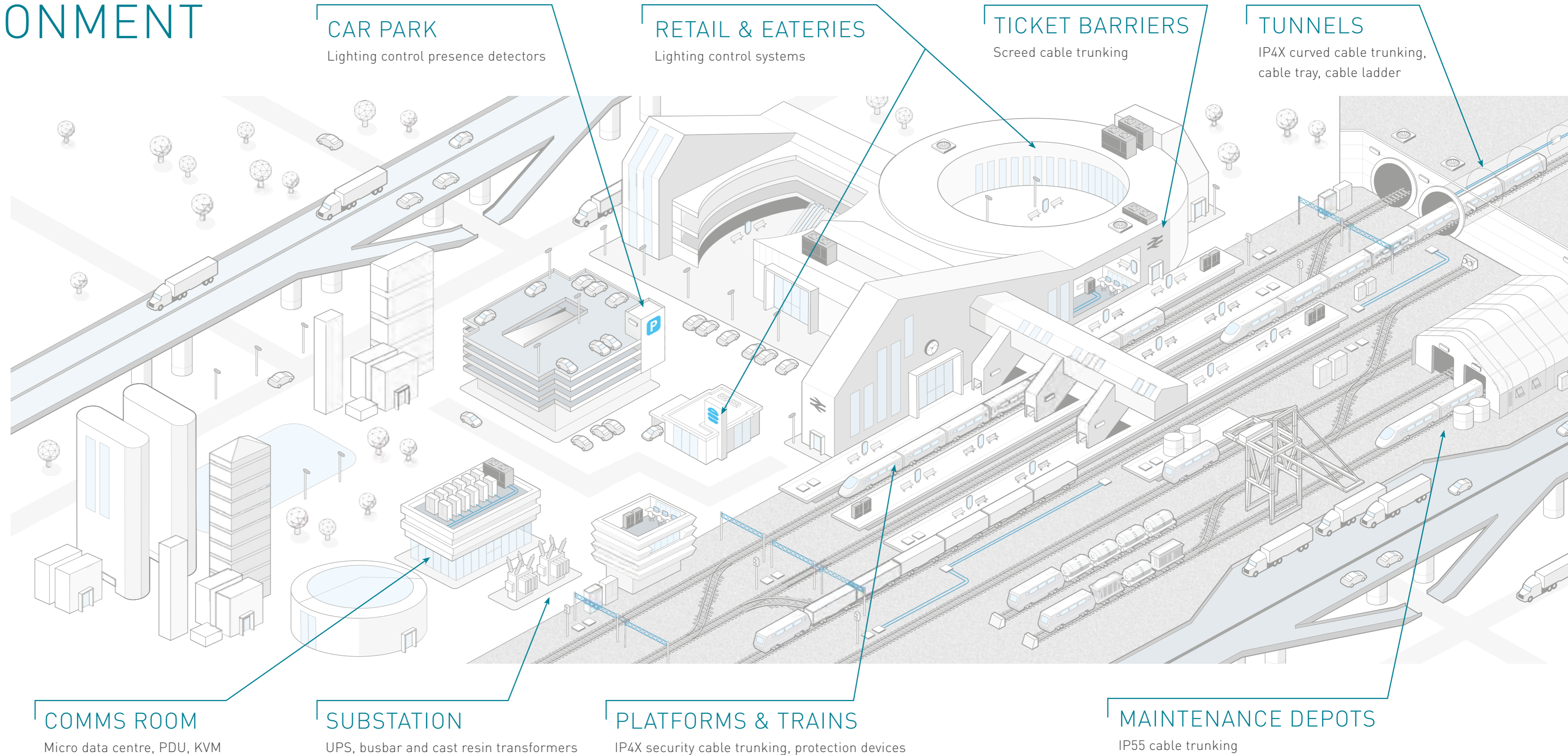
TO MEET UNIQUE REQUIREMENTS

With increasing passenger volumes and a growing interest in rail and infrastructure projects, clients, specifiers, engineers and contractors need products and systems that offer quality, simplicity of installation and are shown to stand the test of time.

In addition, due to ever demanding timescales, they need a partner they can trust to offer support throughout the project.

When working with Legrand you have access to a vast range of tried and tested solutions, design support for bespoke requirements and specialist industry knowledge.

- Quality
- Expertise
- Support



CAR PARK

Lighting control presence detectors

RETAIL & EATERIES

Lighting control systems

TICKET BARRIERS

Screed cable trunking

TUNNELS

IP4X curved cable trunking, cable tray, cable ladder

COMMS ROOM

Micro data centre, PDU, KVM

SUBSTATION

UPS, busbar and cast resin transformers

PLATFORMS & TRAINS

IP4X security cable trunking, protection devices

MAINTENANCE DEPOTS

IP55 cable trunking

QUALITY CABLE MANAGEMENT

FOR AIRPORT PASSENGER TRANSFER SYSTEM



London Luton Airport continues to grow in popularity, hosting 18 million passengers in 2019 alone.

In 2018, Luton Rising announced that a joint venture between VolkerFitzpatrick and Kier Infrastructure would begin construction work on the Direct Air-Rail Transit (Luton DART). Reducing traffic around Luton, and the journey between central London and the airport to around 30 minutes by the fastest trains, the ambitious project is a 2.2km state-of-the-art cable-hauled rail system that links the airport terminal and Luton Airport Parkway train station.

An experienced contractor in rail and transport applications, the appointed M&E contractor, NG Bailey, required cable management systems for the two stations to withstand frequent passenger transfers. Having specified Legrand previously for similar projects, the contractor selected systems from its Cable Management business unit for use throughout the station.

Variety of needs

As with most transport applications, there were different types of cable management that would be required for the project. In the stations, cable trays and ladders were required through the front of house and platform areas, as well as the dedicated maintenance area. Typical of transport applications, underfloor duct trunking was required for cabling to the ticket barriers and Salamandre IP55 rated trunking in areas where water and debris ingress are likely to cause issues.



In this instance, Salamandre IP55 trunking was required for the gate lines at each terminal, an ingress protection rating that is often needed for areas more susceptible to debris and corrosion. With required IP ratings available and the ability to produce exact measurements of trunking, our team's extensive rail expertise and experience meant we could provide exactly what the project required.

Quality assurance matters

With NG Bailey's pedigree in the rail field, it is important that they maintain the highest quality installation on every project. As such, the specified building services must pass the stringent quality assessments when the project is handed over to ensure the installation exceeds expectation in terms of its life expectancy.

With a multitude of cable management requirements to fulfill, NG Bailey was able to work with Legrand to install suitable systems across the entire Luton DART transport system, ensuring the safe passage of all passengers for years to come.

Our products have also been installed as part of the following projects:

- Holyhead Railway Station
- Newton Heath Rail Depot
- National College For High Speed Rail
- Reading Station Car Park
- King's Cross Regeneration

London Underground stations including:
Earls Court, Moorgate, Tower Hill and Baker Street

For more information visit: [Legrand.co.uk](https://www.legrand.co.uk)

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