



Intelligent Technology, Real Performance

Experts in Construction Networks



Setting the Standard In Network Performance

Navigating the construction landscape

After a period of political uncertainty, confidence and revenues in the UK construction sector are on the rise again, with positive forecasts for growth. Yet to make gains in productivity, profitability and performance, Prime and M&E contractors need to address these challenges:



Schedule delays, cost overruns:

Construction firms experience delays on a quarter of their projects, with nearly one-fifth of projects going over budget. Unmitigated risks can lead to schedule delays, cost overruns, and in the worst-case scenarios, disputes and claims.



Need for 'just-in-time' construction:

Today, construction engineers face daunting challenges. Structures, designs and workflows are becoming more complex, while clients demand more for their money. Site constraints and tight schedules all demand highly structured planning to remotely build and test solutions.



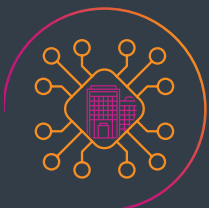
Complex value-chain:

The market is a complex web of stakeholders and is an industry built on punitive contracts. Rework and poor communication both contribute to higher costs. Collaboration with trusted partners is key for more informed decision-making, particularly with the rise of fixed-price projects.



Sites are hazardous:

Historically, the construction industry is one of the riskiest industries in the UK. Aside from time and cost overrun, there is a pressing need to identify and address health, safety and environmental risks for construction personnel, the public and future asset users.



Embracing digital technologies:

From software-defined networks forming the backbone of sites to connected construction technologies such as BIM, wireless sensing, and AR/VR - there's an incredible array of emerging technologies. But adoption is slow, and many are missing out on innovative approaches to driving down cost and improving project execution.

What makes construction complex is not the complexity of the building, it's the number of people that are required to work together to make it happen

– Nathan Wood, Executive Director, Construction Progress Coalition

Digital technology has the ability to transform how we design, construct and maintain our infrastructure. But to capitalise on the opportunity, leaders in this field will need to reach beyond traditional tools, and embrace not only cutting-edge technology, but also the mindset and approach to collaborate. Those that do will not only survive but thrive.

Intelligent technology, real performance

Our team of dedicated construction experts understands the aggressive critical dates and tight financial constraints many contractors face. We work consultatively, offering expertise from pre-sales to post practical completion. The network innovation we introduce drives commercial value, and delivers speed, security and visibility. With a 'right-first-time' approach, we deliver on-time, every time.

How we drive real performance



Intelligent, secure networks

We architect, commission and support high-performance, resilient, complex network infrastructures for contractors including Skanska, Mace and TClarke.



Highly accredited to support contractors

We are committed to a 'right-first-time' approach and invest heavily in industry accreditation to ensure we effectively manage complicated projects.



Value-engineering approach

We are experienced in working on highly visible, high speed and high-volume transaction projects. We can be relied on to move quickly when required and with a great degree of flexibility.



Unbeaten track record

We share your values around safety, ethics, environmental policies, customer satisfaction, and importantly, financial control and delivering to specification.



Deep industry intelligence

We deploy and manage highly-secure networks built to spec that deliver the resilience you require today, and provide options for the smart initiatives you may need in the future.

Pressure to deliver construction projects on time and to budget has never been higher. And the increasing complexity of modern projects only adds to these pressures. Factors such as evolving safety and environmental regulations, or the sheer number of disparate suppliers, can hinder progress and put projects over budget. **You need a technology partner you can trust.**

The Rise of Off-Site Construction

With the global population predicted to hit 9 billion by 2050 – and two out of every three people living in cities by 2050 – the demand for construction has never been greater. However, regenerating buildings or constructing new builds in busy cities poses huge challenges for construction companies. Aside from operating on constrained sites in busy locations (e.g. the Leadenhall Building in London where the site footprint was the building footprint), sites are often live environments, with businesses in occupation.

Fortunately, we can now virtually test the stress factors and tolerances of an asset in multiple ways repeatedly to provide the best and safest solution to the client, before the asset is built. At Ideal we have a highly structured process to build and test solutions within our staging facility, so the 'just in time' deployment is de-risked with reduced implementation and early-life failures.

The building blocks of success

Our enterprise networks form the backbone of some of London's most iconic buildings. From stadia to mixed-use offices and shopping centres, Ideal has deep expertise in the construction industry. Our sector knowledge enables us to design, deploy and manage intelligent, highly secure networks that continue to deliver the strong foundation you require:



22 Bishopsgate

Transforming London's skyline is 22 Bishopsgate, the tallest building north of the River Thames. But this 'vertical village' doesn't just offer light, adaptable working spaces - it is a wellbeing destination for city workers. With culture and creativity at its heart, the destination site includes the largest bicycle park in London, a diverse food market, a double-height climbing wall, a spa retreat and a 300-seater auditorium. At the core of the site is a secure wired and wireless network designed and implemented by Ideal. This strong and flexible backbone supports the central building systems including heating, air conditioning, lighting, lifts and a pioneering fire evacuation system.



K1 Knightsbridge

We're designing and installing future-proof wired and wireless networking services for K1 Knightsbridge, a prestigious mixed-use development in London. The 340,000sq ft/31,600m² project comprises high-end retail and office space, 35 residential units and a new rooftop restaurant in the Royal Borough of Kensington & Chelsea. Ideal's high-performance network, due to go live in Autumn 2020, will provide high-availability access to the occupants and a first-class Wi-Fi for the public.



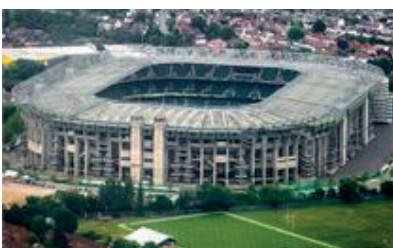
Battersea Power Station

The iconic Grade II* listed building and surrounding area is being brought back to life as one of the most exciting and innovative mixed-use neighbourhoods in the world. Offering restaurants, shops, parks and cultural spaces, the thriving community is a hub for locals, tourists and residents. Working to tight deadlines, Ideal has supported all phases of redevelopment offering innovative, high-performance network solutions that underpin core building management systems. The network innovation from Ideal provides new levels of security, speed and visibility at the same time as driving commercial value.



St Giles Circus

St Giles Circus is a mixed-use development in the heart of London's West End. The project comprises retail, leisure and entertainment spaces, commercial offices and residential accommodation across four new buildings and several existing buildings. Straddling the Crossrail tunnel, the building will also rival Piccadilly Circus with its outdoor giant-sized screens. The largest of the new buildings incorporates an innovative, retractable façade on its middle floors, revealing an urban gallery that will be open to the public at street level. Using a highly structured approach to time and risk management, coupled with a strong, experienced delivery team, Ideal has designed and delivered a high-performance network solution built to spec.



Twickenham Stadium

To deliver a world-class rugby union experience for up to 82,000 spectators on match day, the Rugby Football Union (RFU) engaged Ideal to design, deploy and manage an enhanced IT backbone at Twickenham Stadium. The focus was for fans to access high-density Wi-Fi and unlimited web access - at the Rugby World Cup and all future events. Ideal implemented a flexible, scalable and robust LAN infrastructure, staged and configured off-site due to limited stadium access. The new infrastructure not only supports match day delivery but also provides for future innovations. Ideal has also partnered with the RFU for development and modernisation of the East Stand which features the British Airways Rose Garden.

We shape our buildings; thereafter they shape us

– Winston Churchill



BuildingConfidence Advanced



Ideal is proud to be an advanced member of the Achilles BuildingConfidence community which brings together suppliers and buyers in the UK Construction sector. Through it, suppliers can showcase their abilities and demonstrate improved compliance and credibility to a huge buying market - saving time and money in the process.

Partnering for success

We understand the business drivers, challenges and expected outcomes for contractors. Our team of dedicated construction experts is highly experienced in responding quickly and effectively to bids, complying not only with specification requirements but also introducing alternative and innovative ways of working that drive additional value.

We also recognise the complexities of transferring environments from tender to post-practical completion. Our team provides extensive support to smooth this end-to-end process: we are extremely experienced, approachable and agile.

Highly accredited to support contractors on and off-site

To successfully design, install, test, commission, protect and handover the scope required, Ideal heavily invests in relevant industry accreditations. This ensures we effectively manage complicated construction projects, with an enhanced focus on mitigating risk and driving efficiency:

- We are certified to the EN ISO 9001:2015 standard and committed to a 'right-first-time' project delivery approach, as well as follow information security best practice under EN ISO 27001.
- We hold Cisco Advanced Architecture Accreditations in Enterprise Networks and Security and are an advanced member of the Achilles BuildingConfidence community.
- Our Staff are qualified to be on-site and our health and safety accreditations include IOSH, ECS, SSTs.

With unmatched levels of expertise, we are the proven technology partner to seamlessly deliver intelligent network infrastructure.

Find out how we can support your construction project today:

www.ideal.co.uk/construction-services



About Ideal

Ideal is a UK-based managed service provider to the construction industry. We architect, commission and support high-performance, resilient, complex network infrastructures for many contractors including Skanska, Mace and TClarke. We partner with industry-leading technology vendors such as Cisco to build high-availability, robust and flexible networks for buildings such as Twickenham Stadium, Westfield Shopping Centre, Battersea Power Station and 22 Bishopsgate.

Our team works consultatively, offering guidance from pre-sales to completion. We are committed to a 'right-first-time' approach and invest heavily in industry accreditation to ensure we effectively manage complicated construction projects. Our approach to time and risk management, coupled with a strong, experienced delivery team, ensures we deliver the services right first time.

