

Networks

Our team of specialist engineers offers expert advice and technical design services for audio visual, ICT, security and building automation systems on projects in all business sectors.





We recognise that today's building infrastructure demands a wide range of complex and integrated systems. Such integration can realise numerous technical benefits, whilst also adding life cycle value. We offer clients a friendly, dedicated and experienced team of specialist engineers. We know the value of understanding client requirements and work within integrated building design teams to deliver successful projects in the UK and worldwide.

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Expert and Impartial

In such a complex and fast changing industry, it is perhaps not surprising to find a predominance of contractors and advisers that rely on close ties to specific manufacturers for technical support. In contrast, our specialist engineers have wide experience of every type of system and we constantly update our skills to ensure that the advice to our clients is current and wholly supplier independent.

Whilst the importance of established vendor relationships for some clients is recognised, the impartiality of our advice ensures the appropriateness of all our design solutions. It also results in a truly competitive tendering and procurement process.

Client Focused

We believe that understanding our clients' business and their values is a fundamental prerequisite to the development of successful design solutions. From production of an initial brief through to hand over and acceptance, we constantly measure the evolving scheme against the agreed objectives in terms of performance, cost, programme and maintainability.

Our consultancy service can be tailored to meet any range of required duties. Our preferred approach to our commissions is typically consultant led; not only during design but throughout the installation. This facilitates the early identification of design issues and provides appropriate support to the installers.

Added Value

Value management and value engineering is at the heart of our service. Regular value assessment checks are carried out based upon projected life cycle costs taking into account the full range of relevant variables including first cost, necessary software licensing, maintenance and future-proofing of the technology.

Once identified, we expect the contractor or supplier to participate fully in the continued search for value whilst maintaining adherence to the agreed principles of design. The preconstruction phase of a project is the final opportunity to realise significant value management potential and requires a coordinated team effort. This results in the final installation benefitting from the expertise of all its stakeholders, leading to effective and highly robust solutions.

- Networks
- Structured Cabling
- Audio Visual
- PABX
- TV & Satellite
- CCTV
- Access Controls
- Intruder
- Detection
- Traffic Management Systems
- Intercoms
- Home Networks
- Automation
- BMS Integrated Controls
- Energy Management

Our knowledge extends beyond network systems to encompass electrical and mechanical systems. This overall understanding enables applications to be fully assessed by our engineers for resilience and diversity. Such factors can be critical to operational success for functional networks.



System Integration

Many building systems are now based upon common communication protocols. This opens up the possibility of extensive system integration and associated cost savings. Whilst security and integrity demand that certain networks remain stand-alone, it is increasingly the case that cost benefits can flow from fully integrating such functions as life safety systems, building management and basic building security.

Our ability to bring expertise across the entire range of building services systems readily enables us to evaluate the case for integration and, where proven, fully realise the associated value.

Co-ordinated Design

Successful IT installations are as much about optimising the support environment as the quality of the system itself. Unreliable power supplies and inadequate environmental control can bring even the best designed network to its knees.

A truly multidisciplinary design philosophy ensures that all system interdependencies are considered and that the installation is fully coordinated. Our network engineers can call upon Grontmij's in-depth experience of mechanical and electrical engineering services to ensure that there are no weak links in the chain.



- Haberdashers' Aske's Knights Academy, London
- Palace of Westminster, London
- Hilton Tower Bridge Hotel, London
- Centre for Mathematical Sciences, University of Cambridge
- LBBW, 201 Bishopsgate, London
- BDO Stoy Hayward, Baker Street, London

•• Strategic Advice

- Setting standards
- Investigations and reports
- Condition surveys
- Risk assessments
- Scheme designs
- Planning application support
- Telecom utilities

•• Surveys

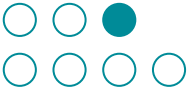
- Environmental impact studies
- TV and radio reception
- Survey and report on existing maintenance
- Comprehensive CCTV coverage surveys
- Dilapidations

•• Design

- Systems integration
- Systems schematics
- Specifications and technical schedules
- Technical spaces planning
- M&E services coordination
- Architectural liaison and coordination
- Tender award technical advice

•• Implementation

- Compliance monitoring
- Witness and factory acceptance testing
- Final defects inspections
- System acceptance and handover



Selected Projects

100 Wood Street, London
Alexandra Hotel, Guildford
Bath University, 4 West
Battersea Power Station
Blackstone HQ, London
CBQ Tower, Qatar
Citigroup HQ, London
16-18 Finsbury Circus, London
Guildford Civic Centre
Harris Boys Academy, London
LBBW HQ, London
Lewisham College, London
Meridian House, London
MID City Place, London
More London Development
PaddingtonCentral, London
RADA, London
Shield House, London
Spinningfields, Manchester
The St Botolph Building, London
The Tower, One St George Wharf
The Walbrook Building, London
The Willis Building, London
Waterloo International, London
University of Winchester

Selected Clients

BDO Stoy Hayward
Boots the Chemist
British Airports Authority
British Land
City of London
Development Securities
DCSF
Eton Park Capital
Hilton Hotels
HSBC
ITN
London Underground Limited
Lovells LLP
Ministry of Defence
Minerva
National University of Ireland
Network Rail
Oxford Brookes University
Prudential
St George
Standard Life
Stanhope
Union Properties, Dubai
University of Cambridge
University of Oxford

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