

RED

THE WORLD'S LEADING DESIGNER
OF COMPLEX BUILDINGS

BUILT ENVIRONMENT

CAPABILITY STATEMENT

Market-leading Engineering Design consultancy specialising in the **Built Environment** worldwide, with unrivalled expertise in delivering **innovative and sustainable** solutions.

A company of **TRACTEBEL**


ABOUT RED

As a global powerhouse of engineering design, RED has spearheaded the drive toward achieving the zero-carbon objective for two decades. Our unwavering commitment to sustainable innovation is the cornerstone of delivering transformative, commercially viable, low-carbon solutions, positioning us as industry leaders dedicated to a sustainable future.



Award Winning and International



Market Leading Technical Expertise



Trusted Advisor



Sustainable Engineering Solutions for the Built Environment



Founded in 2004



Specialist Engineering and ICT Solutions

36

Industry Awards

750+

Employees

11

Offices in Key International Cities

75

Countries with RED Projects

49

Languages



WHY CHOOSE RED?

RED's reputation is built on a foundation of unparalleled technical expertise. We're proud to boast a team of specialists at the forefront of innovative solutions. Our international presence ensures a global perspective, allowing us to address complex challenges with a diverse and inclusive approach. Client trust is paramount, earned through a track record of delivering exceptional results and maintaining an unwavering commitment to our clients' success. Moreover, our dedication to sustainability is embedded in every aspect of our work, reflecting a conscientious effort to create environmentally responsible solutions for a brighter future.



Our People

A talented team and staff retention rate of 90%+.



Repeat Business

We have long standing partnerships with our clients and a repeat business rate of 84%.



Global Delivery Strategy

Global offices provide a 24 hour working day.



Technical Ability

Digital services and in-house technologies to transform vast amounts of information into digital tools.



Growth

We have sustained year-on-year growth since 2004.



Global Network

Our offering is further complemented by our parent company, Tractebel.



OUR CORE VALUES

Our people are our greatest asset. Recognised for our dedication to workplace well-being, RED proudly attains "Silver" in Mind's Workplace Wellbeing Index and recently won MEP Middle East's "Wellbeing Initiative of the Year" award for our RED Wellness program. Our success hinges on the exceptional work our team delivers daily, and we place physical and mental wellness at the centre of our strategy to drive employee performance, happiness, and engagement.



We Are Bold
We dare to try.



We Are Open
We work together with collective strength.



We Are Demanding
We are always willing to go the extra mile.



We Are Caring
An environment based on trust and respect.



WORKPLACE WELLBEING

RED has been recognised for its commitment to workplace wellbeing and is proud to have achieved "Silver" in Mind's Workplace Wellbeing Index.



GOING FOR GOLD

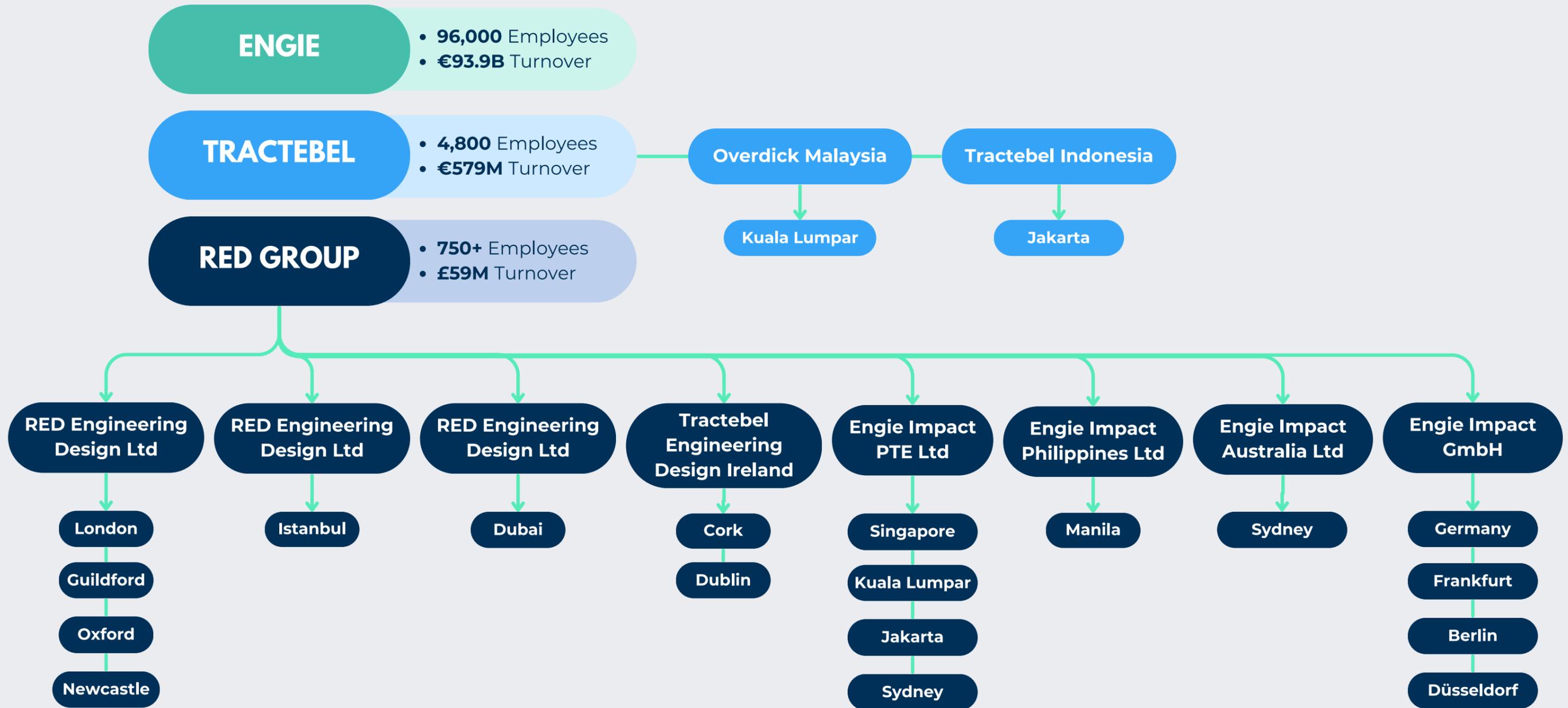
RED is continuously working towards achieving "Gold" in Mind's Workplace Wellbeing Index.



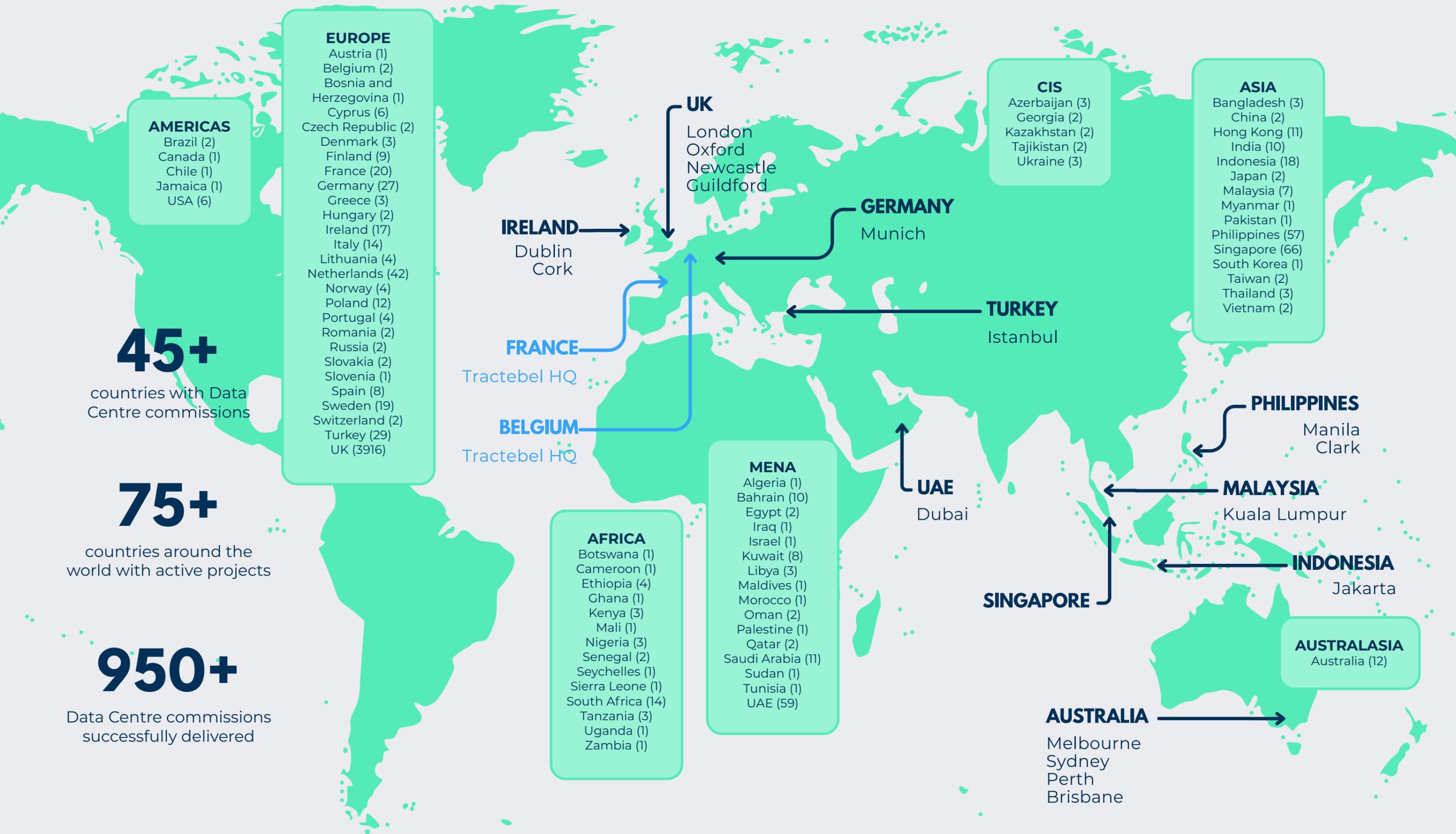
RED's success is based on the great work that our people deliver every day. That is why both physical and mental wellness is so important. Having people excited, happy, and engaged in their daily work activity is the key to success. This can only be accomplished if people are feeling healthy, happy, and safe.

Martin Sieh, CEO of RED

HOW WE OPERATE



RED'S PRESENCE & DATA CENTRE OPERATIONS



AMERICAS

- Brazil (2)
- Canada (1)
- Chile (1)
- Jamaica (1)
- USA (6)

EUROPE

- Austria (1)
- Belgium (2)
- Bosnia and Herzegovina (1)
- Cyprus (6)
- Czech Republic (2)
- Denmark (3)
- Finland (9)
- France (20)
- Germany (27)
- Greece (3)
- Hungary (2)
- Ireland (17)
- Italy (14)
- Lithuania (4)
- Netherlands (42)
- Norway (4)
- Poland (12)
- Portugal (4)
- Romania (2)
- Russia (2)
- Slovakia (2)
- Slovenia (1)
- Spain (8)
- Sweden (19)
- Switzerland (2)
- Turkey (29)
- UK (3916)

UK

- London
- Oxford
- Newcastle
- Guildford

IRELAND

- Dublin
- Cork

GERMANY

- Munich

CIS

- Azerbaijan (3)
- Georgia (2)
- Kazakhstan (2)
- Tajikistan (2)
- Ukraine (3)

ASIA

- Bangladesh (3)
- China (2)
- Hong Kong (11)
- India (10)
- Indonesia (18)
- Japan (2)
- Malaysia (7)
- Myanmar (1)
- Pakistan (1)
- Philippines (57)
- Singapore (66)
- South Korea (1)
- Taiwan (2)
- Thailand (3)
- Vietnam (2)

45+

countries with Data Centre commissions

75+

countries around the world with active projects

950+

Data Centre commissions successfully delivered

FRANCE

Tractebel HQ

BELGIUM

Tractebel HQ

TURKEY

Istanbul

PHILIPPINES

Manila
Clark

MALAYSIA

Kuala Lumpur

INDONESIA

Jakarta

SINGAPORE

UAE

Dubai

MENA

- Algeria (1)
- Bahrain (10)
- Egypt (2)
- Iraq (1)
- Israel (1)
- Kuwait (8)
- Libya (3)
- Maldives (1)
- Morocco (1)
- Oman (2)
- Palestine (1)
- Qatar (2)
- Saudi Arabia (11)
- Sudan (1)
- Tunisia (1)
- UAE (59)

AFRICA

- Botswana (1)
- Cameroon (1)
- Ethiopia (4)
- Ghana (1)
- Kenya (3)
- Mali (1)
- Nigeria (3)
- Senegal (2)
- Seychelles (1)
- Sierra Leone (1)
- South Africa (14)
- Tanzania (3)
- Uganda (1)
- Zambia (1)

AUSTRALASIA

Australia (12)

AUSTRALIA

Melbourne
Sydney
Perth
Brisbane

TRACTEBEL

RED Engineering Design is a company of Tractebel, a global leader in sustainable innovation. Backed by more than 150 years of experience, Tractebel is a community of over 5,500 passionate experts across the globe, committed to ethical business and leading the fight against climate change. Tractebel is part of the ENGIE Group, a global reference in low-carbon energy and services.



Energy

- Power & Heat
- Renewable Energy
- Power Transmission & Distribution
- Gas



Water

- Water Resources
- Hydraulic Infrastructures
- Hydropower
- Coasts, Ports & Use of Water Resources
- Digital Services



Infrastructures

- Urban, Design & Development
- Environment & Climate Change
- Transport & Mobility
- Buildings & Complex Structures
- Geo-Engineering



Nuclear

- New Build
- Advanced Technologies
- Plant Operation Support
- Radwaste, Decontamination & Decommissioning

As RED's parent company, Tractebel offers an additional range of expert engineering services to clients by leveraging its global presence and vast experience in sustainable design practices.

Tractebel's expertise are trusted worldwide across multiple markets like nuclear, renewables, power & gas, electrical grids, hydropower & dams, water resources & supply, desalination, complex & high-tech buildings, transport infrastructures, and ports & waterways. This enables Tractebel to provide comprehensive solutions tailored to the specific needs of clients.

By connecting strategy, design, engineering, social & environmental studies, project management and in-house digital applications, we partner with companies and public authorities to create a positive impact on people and planet. This holistic approach ensures that engineering solutions are not only technically sound but also environmentally sustainable and socially responsible.

Backed by more than 150 years of experience, today Tractebel is a community of over 5,500 passionate experts across the globe, committed to ethical business and the fight against climate change. Tractebel is part of the ENGIE Group, a global reference in low-carbon energy and services.



EXPLORING SECTORS

RED's operations are divided into several sectors to cover the cutting-edge services that we provide across the Built Environment and Data Centre markets. By seamlessly navigating various sectors, we position ourselves as a go-to partner for innovative, efficient, and sustainable engineering solutions.



Data Centres

- Cloud
- Colocation
- End User
- Managed Services
- Modular



Commercial

- Commercial Office / Mixed Use
- Workplace fitout
- Retail



Lifestyle

- Hotels
- Venues
- Residential
- Heritage



Life Sciences

- Pharma & Biotech
- Medical Devices



Transport & Aviation

- Bus depots
- Airport terminals
- Manufacturing



Warehouse Logistics

- Warehouses / Distribution Centres
- EV Infrastructure
- Utility Due Diligence & Negotiations



Public Sector

- Healthcare
- Government
- Education
- Aviation
- Defence
- Court Buildings



Industrial

- Industrial Food & Beverage
- General Chemical
- Process Plant



COMMERCIAL

We prioritise human health and quality of life in commercial developments, aiming to optimise productivity, sustainability, and circularity. RED specialises in designing new buildings and upgrading existing ones, collaborating with developers, architects, consultants, and contractors in various contract arrangements. We understand the importance of meeting industry standards and compliance for successful project delivery, including environmental, water, and energy objectives.

Apple Store, Istanbul

First Standalone Apple Store in Turkey. RED provided MEP design, permit, construction supervision, test and commissioning services.

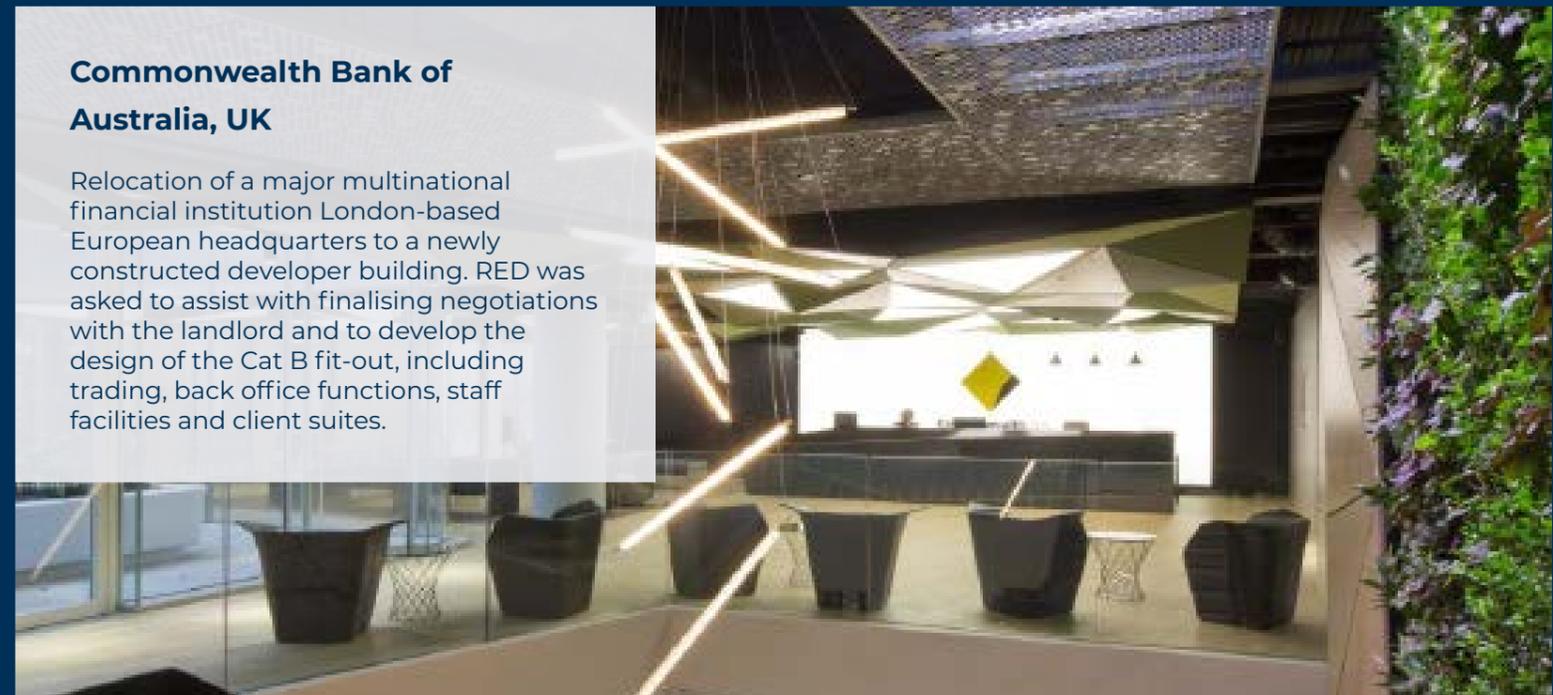


The Relay Building

RED was appointed to undertake a due diligence survey and report for the purchase of the mixed use residential and office building at One Commercial Street. Subsequently RED was appointed to provide the MEP design for the Cat A fit out of 9,000m² of speculative office space and major refurbishment of the Commercial reception.

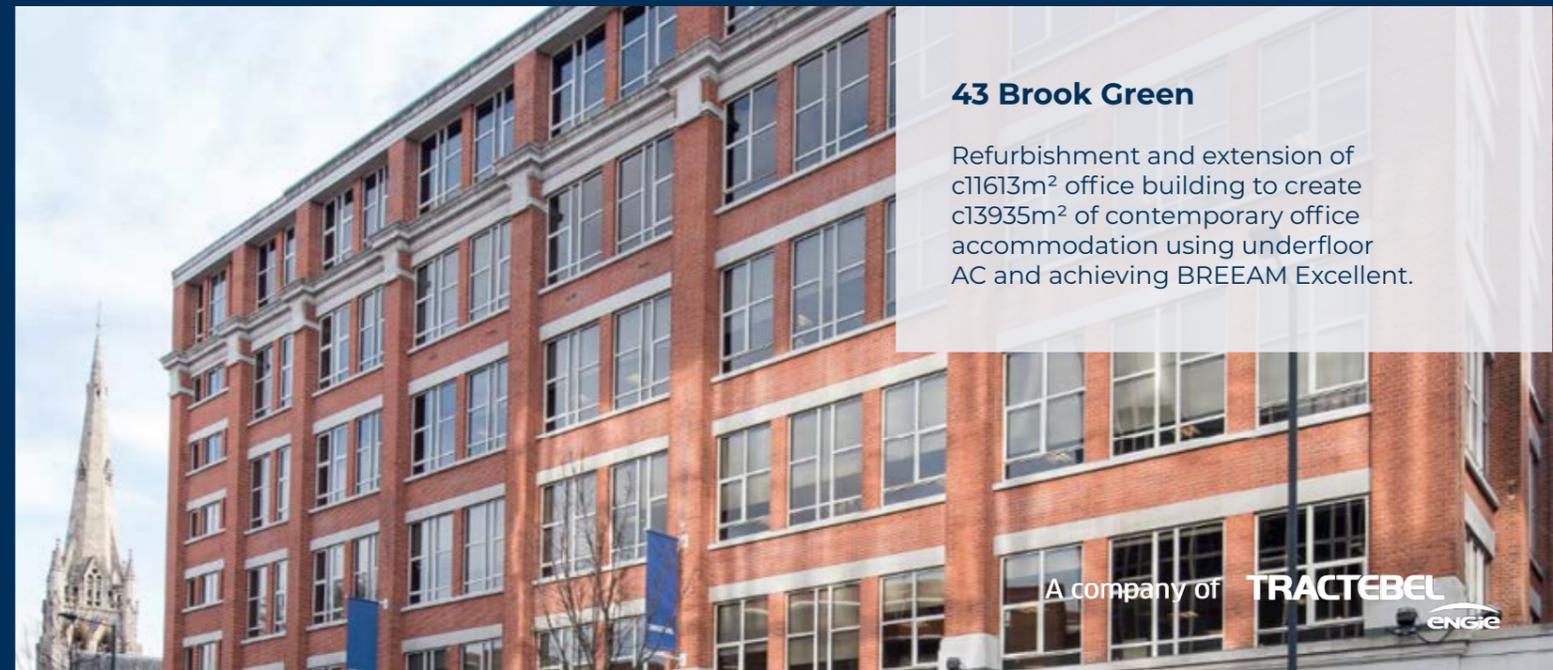
Commonwealth Bank of Australia, UK

Relocation of a major multinational financial institution London-based European headquarters to a newly constructed developer building. RED was asked to assist with finalising negotiations with the landlord and to develop the design of the Cat B fit-out, including trading, back office functions, staff facilities and client suites.



43 Brook Green

Refurbishment and extension of c11613m² office building to create c13935m² of contemporary office accommodation using underfloor AC and achieving BREEAM Excellent.



LIFESTYLE

We meticulously attend to a diverse range of projects, including hotels, sporting venues, and mixed-use developments. Our expertise involves crafting pragmatic design solutions tailored to individual clients, meeting specific criteria or brand standards for experienced developers. Our approach maximises value and promotes sustainable design principles.

Greenwich Peninsula Riverside

The scheme consists of 300 high quality residential units in a mix of social rent, intermediate and private tenures as well as a small commercial/retail unit, located in the Greenwich Peninsula Riverside district of London.



RED



White City, UK

RED played a vital role in St James' development of a 406-apartment residential scheme in the heart of West London. Our comprehensive commissioning services covered management, infrastructure planning, reviews, and statements.

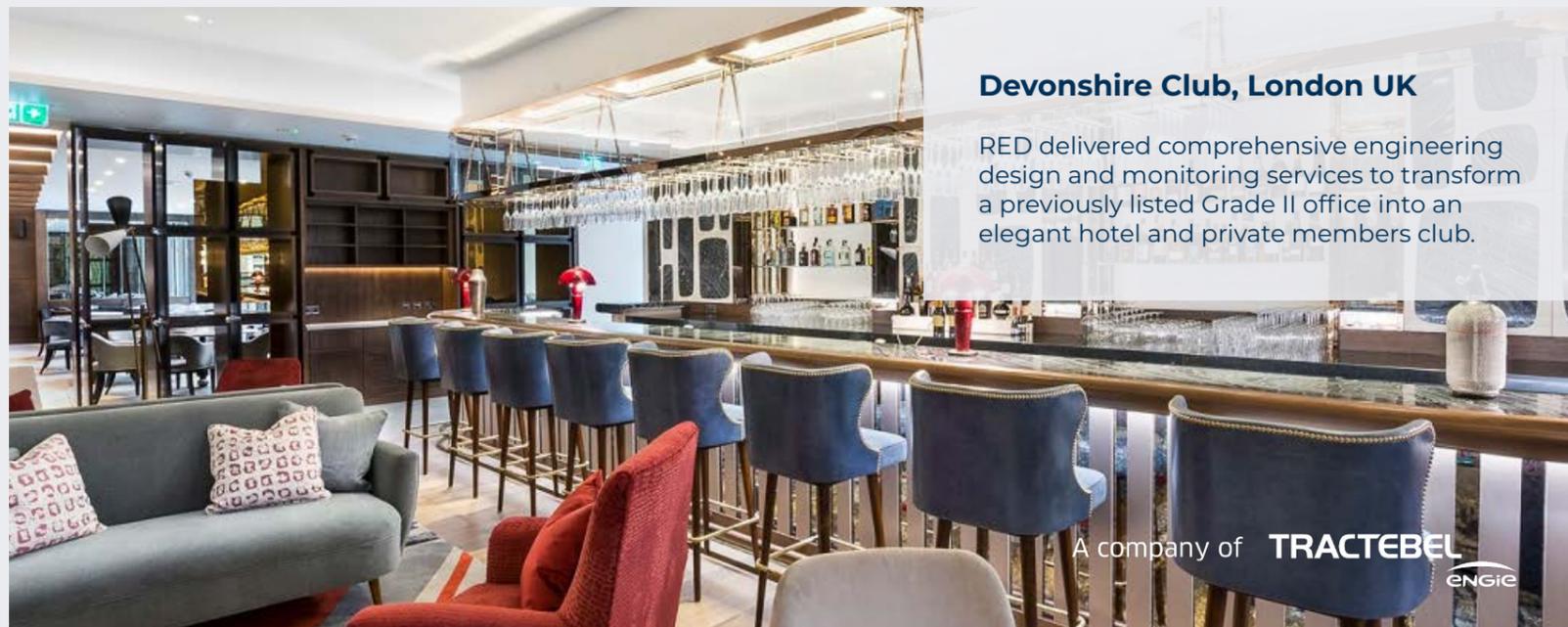
Lord's Cricket Ground, UK

From sports halls to Olympic stadia, RED understands that all types of sports venues should inspire those people surrounding them. Experienced in the new build, extensions and refurbishments of historic buildings, RED recognises the need to work closely with conservation specialists and other relevant stakeholders to keep balance between modernisation and retention.



Devonshire Club, London UK

RED delivered comprehensive engineering design and monitoring services to transform a previously listed Grade II office into an elegant hotel and private members club.



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ENGIE

WAREHOUSE LOGISTICS

We bring a unique and diverse approach to warehouse and logistics buildings globally, drawing on our extensive knowledge in this sector and a pool of trusted clients. As a key design partner, we have worked with many retailers, developers, and tenants, contributing to projects ranging from fully automated to refrigerated warehouses. Additionally, we possess extensive expertise in the infrastructure for the electrification of delivery fleet vehicles.

Sainsbury's Distribution Centres, UK



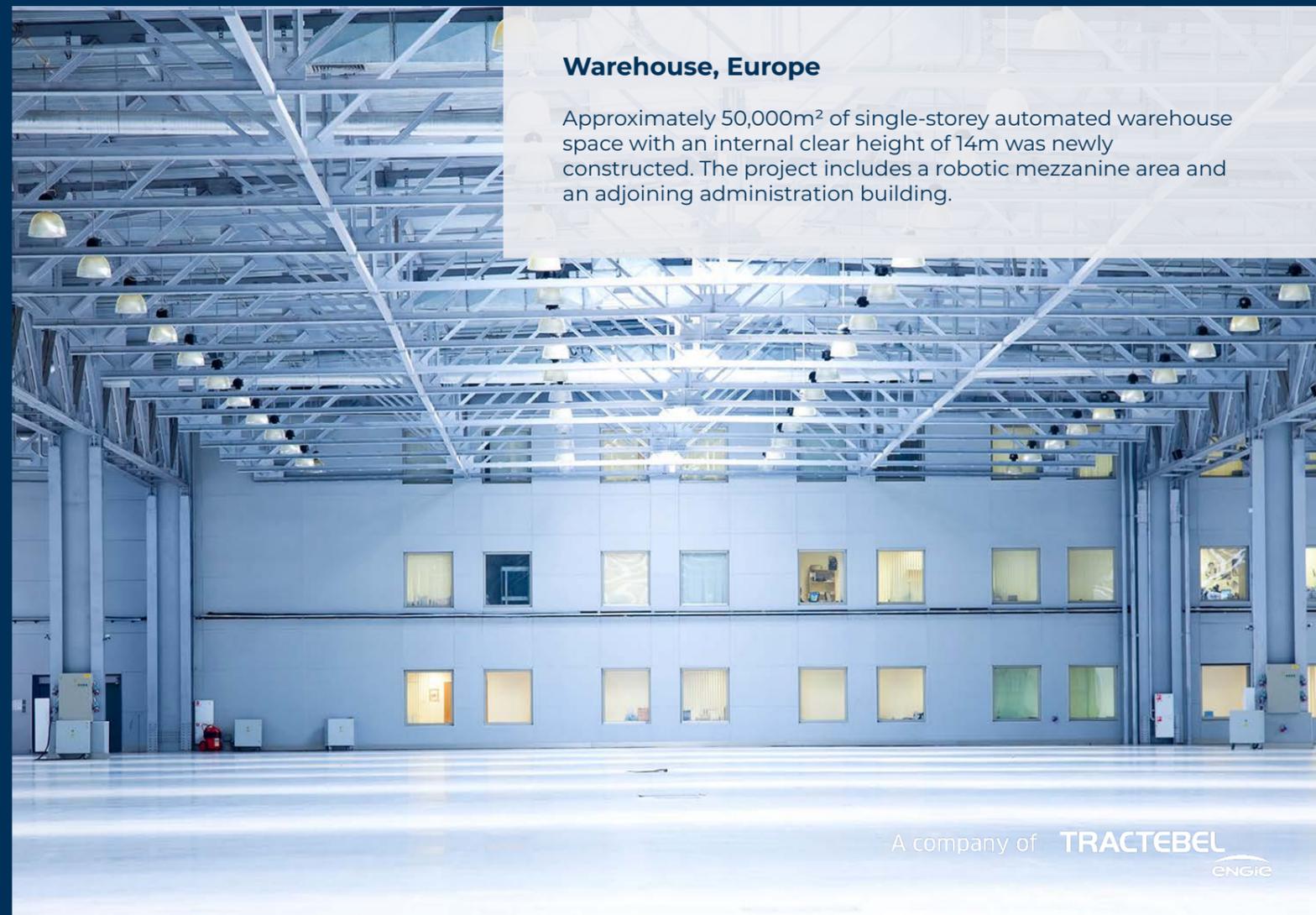
Regional Distribution Centre, Avonmouth

RED offered complete MEP design consultancy for a new 52,000m² retail Regional Distribution Centre (RDC) situated in the West of England. This facility includes a spacious open racking area, cold rooms, freezer compartments, and a two-story administration area.



Warehouse, Europe

Approximately 50,000m² of single-storey automated warehouse space with an internal clear height of 14m was newly constructed. The project includes a robotic mezzanine area and an adjoining administration building.



PUBLIC SECTOR

With expertise in public buildings, we prioritise meticulous attention and care for each project. Our versatility shines through in creating custom designs for unique clients and adhering to strict criteria or brand standards for seasoned developers. Our goal is to maximise value and foster sustainable development.

Global Business School, Saudi Arabia

RED offered MEP design services for the Global Business School (GBS) in Jeddah, Saudi Arabia, working alongside Benoy, the lead designer aligning with Saudi Arabia's Vision 2030 for a progressive, knowledge-based economy.



University of West England, UK



Qatar University, Qatar



Stowe School, UK

RED has completed various projects for Stowe School, delivering teaching facilities and student accommodation.



Government and Court Buildings, UK

Our engineers possess a breadth of experience delivering projects for both central and local government. We understand the stringent requirements placed on the public sector to ensure the delivery of value and quality in a transparent manner.



Winchester Cathedral, UK

RED was appointed to design the M&E services associated with the Kings & Scribes: The Birth of a Nation exhibition in the south transept of the Cathedral.

LIFE SCIENCES

As global life expectancy rises, the life sciences sector's pursuit of innovative solutions and new treatments becomes increasingly vital. We provide our clients with access to subject matter experts and a skilled, experienced team dedicated to life sciences projects. Our reputation is built on designing complex projects that guarantee successful outcomes for our clients.

Amgen, Dublin



Kerry Foods, Singapore

RED provided MEP fit out for this regional headquarters comprising offices, R&D laboratories and test kitchens. Covering an area of 3252m² the facility is used as both an office and a food demonstration centre resulting in a diverse range of MEP services installations.



ATOR Mill & Process Cooling

RED managed a milling and dispensing upgrade, implementing high-tech containment and converting a cooling system for 40 reactors. Our services included Project Management, design, procurement, construction oversight, commissioning, and HAZOP reviews.



Module Co, UK

RED conducted design validation for MEP services at a new vaccine testing center, collaborating closely with M&E contractors. Our scope encompassed conceptual and detailed design work for the systems, followed by on-site verification during the installation and commissioning phases.



INDUSTRIAL

We have vast experience in industrial sectors like food & beverage, chemical, and process plants. Our expertise includes minimising carbon footprint, designing cleanrooms, wastewater systems, high purity water solutions, process control, utilities specification, and more. We leverage advanced engineering techniques for effective coordination and equipment integration, such as BIM, CFD modeling, Arc Flash calculations, and ATEX studies.

Manufacturing Factory, Poland

RED conducted an energy audit for a factory with substantial refrigeration needs and a site-wide ammonia refrigerating system. Simultaneously, the facility required hot water for margarine production, line cleaning, etc., generated from steam imported from a municipal plant circulated in a hot water ring main.



Food & Beverage Factory, UK

RED was appointed to evaluate solutions for anaerobic digestion biogas generated from waste, for an ice cream factory in the UK.

The resulting biogas had unusually high sulphur content which needed to be reduced to acceptable levels before use.

Together with our specialist partners, we integrated a biogas clean-up system which provided the capability to reduce unusually high H₂S content of the biogas, so that the biogas could be used directly in the existing steam boilers.



Replacement Steam System, Ireland

RED executed the concept and detailed engineering for the complete replacement of the steam piping system at Cooley in Co. Louth. Our scope encompassed project management, procurement of equipment and contracts, with the demolition and installation of the new system occurring over a 10-week shut-down period.



Keurig Dr Pepper, Ireland

RED successfully managed the construction and commissioning of a new drinks concentrate manufacturing plant situated within an existing warehouse building. Our comprehensive services included Project Management, design, civil and structural engineering, equipment procurement, construction site monitoring, commissioning assistance, and conducting HAZOP reviews.



AVIATION

RED's adept aviation team, with extensive experience globally, excels in understanding key safety, operational, and sustainability drivers within the aviation sector. Our design strategies align with these drivers, and our leadership in sustainability contributes to supporting airports in their journey to net-zero through decarbonisation.

Abu Dhabi Interntional Airport, UAE

RED delivered MEP design services for the VIP terminal, showcasing a seamless transition from computer simulation to successful project implementation in a functional environment.



RED



Heathrow Airport, UK

RED are engaged at Heathrow Airport on a broad portfolio of projects including infrastructure upgrades, engineering asset replacement, terminals and passenger and security screening area reconfiguration.



Gatwick Airport, UK

RED have assisted Gatwick Airport with a multitude of different design projects including IDL refurbishments, Security, Piers, F&B, Retail and Energy conservation supporting Gatwick Airport's journey to Net Zero.



Brussels Airport, Belgium

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ENGIE

HEALTHCARE

As the global population expands, the demand for healthcare services has grown tremendously, placing greater pressure on heavily scrutinised healthcare facilities. At RED, we comprehend the pressures of patient care, budgeting constraints, and aged healthcare estates. We work closely with our clients to deliver valued services, maximizing patient experience and care.

Royal Berkshire Hospital

RED has acted as the Trusts delivery partner during the 2022/23 capital works programme consisting of over 20 projects in a live hospital environment.



Kent and Medway NHS and Social Care Partnership Trust

RED has been engaged across KMPT's diverse property portfolio supporting delivery within their Mental Health facilities.

Great Ormond Street Hospital

RED has been involved delivering multiple projects as part of the comprehensive hospital upgrade works.



Torbay and South Devon NHS Foundation Trust

RED has been awarded a position as the Trust's delivery partner on their Building Services design framework.

RED



NHS SBS Framework - Shared Business Services Framework Agreement Supplier

RED was appointed to the coveted framework in 2023 to provide design services to this national framework demonstrating RED's extensive experience within the sector.

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ENGIE

SITE SERVICES

RED provide a range of site management services including Commissioning, Verification, Validation, technical and quality assurance. We offer a practical, pragmatic, adaptable and logical approach to the technical delivery process. The RED team has diverse experience across several sectors and can therefore support clients on a range of projects within various sectors, offering a range of services. We understand the criticality of projects being delivered and documented correctly and work closely with our clients to meet their requirements and expectations.



Data Centre, UK – Commissioning Authority

RED provided full commissioning management services on a 28MW new build data centre working directly for the client, working alongside the client delivery and operations teams, General Contractor, design consultant and specialist vendors and suppliers.



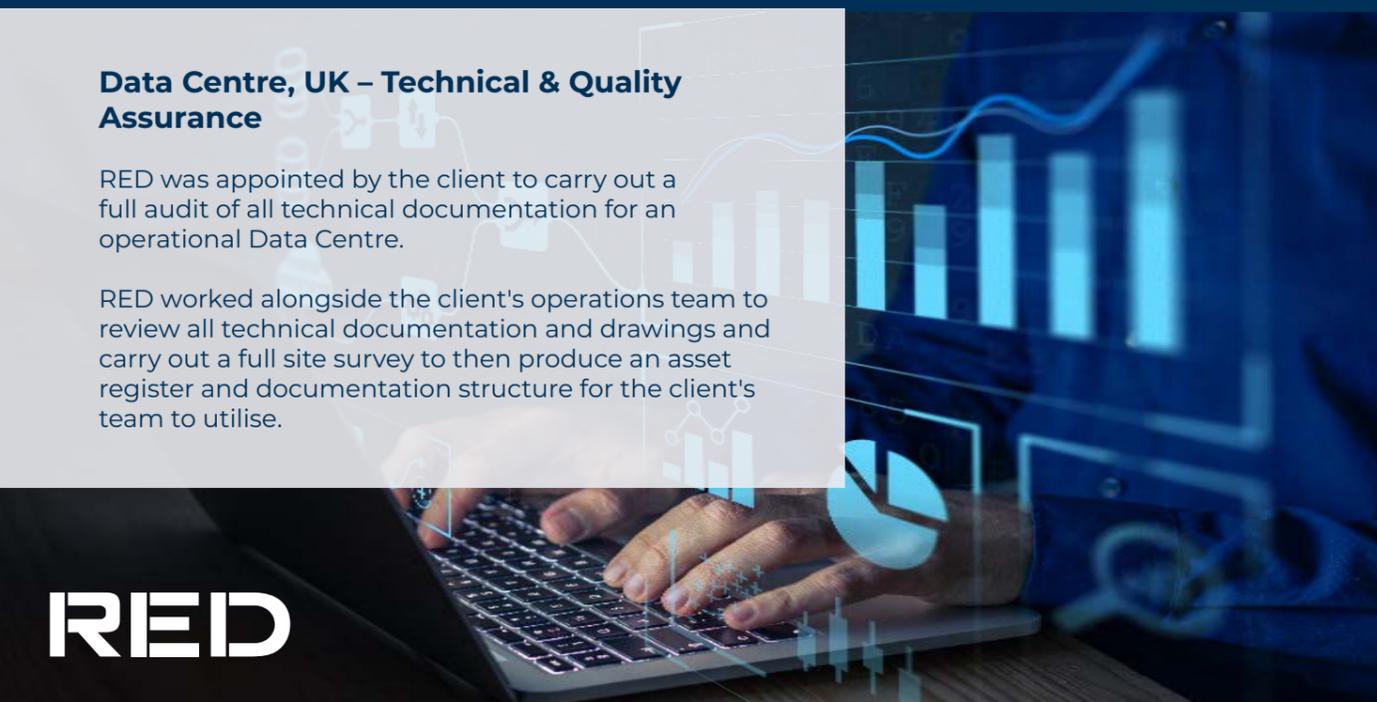
International Quarter Stratford UK – Verification Manager

RED was appointed as the Verification Manager for the developer on a new build 21-storey commercial building, part of the International Quarter in Stratford. The building consists of commercial space, retail units and a cinema.



Sortation Warehouse, Spain – Technical & Quality Assurance

RED was appointed as Technical Assurance Managers on a new build sortation warehouse in Spain to oversee the full project delivery cycle from design completion through to commissioning and handover.



Data Centre, UK – Technical & Quality Assurance

RED was appointed by the client to carry out a full audit of all technical documentation for an operational Data Centre.

RED worked alongside the client's operations team to review all technical documentation and drawings and carry out a full site survey to then produce an asset register and documentation structure for the client's team to utilise.



Research Facility, UK - Commissioning Authority

RED provided full commissioning management duties for the client for a new university pharmaceutical research facility, carrying out a full technical review, attended factory acceptance testing, reviewed and approved all project documentation, carried out QA/AC inspections, witnessed testing and commissioning activities and planned and managed the Functional Performance testing and Integrated Testing activities

COMPREHENSIVE SERVICES

Adapting to client needs and the evolving environmental landscape, RED's services cover the entire life cycle of any building project. Our broad capabilities save clients time, money, and effort, addressing challenges from high-performance buildings to multi-use land developments for a more sustainable world.



MEP Services

- MEP Design
- Lead Designer
- Site Services
- Client Representative
- Life Cycle Works
- Commissioning Management



ICT

- Strategic Consultancy
- Technical Migration and Project Management
- Critical Facilities, Infrastructure Design, Procurement and Site Services
- In-Service ICT Consultancy



Sustainability

- Whole life Carbon assessment & reporting
- Carbon/Energy – Auditing, Modelling, Part L
- Certification - LEED, BREEAM, WELL+, NABERS, Greenmark
- Corporate Sustainability



Health & Safety

- CDM Principal Designer
- CDM Advisor
- Design in Safety
- Hazard and Operability Studies



Process Engineering

- Specialist Consultancy Services
- Specialist Expertise
- ATEX, HAZOP, Arc Flash, HV



Lifecycle Solutions

- Identifying and implementing plant replacement works
- Carrying out Technical Due Diligence Surveys & Reports on MEP Services

DIGITAL & VIRTUAL ENGINEERING TOOLS

RED's in-house team of industry specialists excels in modelling and R&D, transforming vast information into digital tools. Our digital services and in-house technologies pave the way for sustainable, data-driven businesses.

Digital Engineering & BIM

Integrated team of engineers, designers and BIM co-ordinators bringing true digitalisation of the design process together for project delivery.

Energy & Water Efficiency

RED's bespoke web-based app that provides climate and efficiency metrics for data centres across different locations and design configurations.

Carbon Reduction Analysis & Building Modelling

Dynamic thermal simulation tools to use real weather data and occupancy and internal heat gain profiles to predict thermal loads, energy and daylight performance.

CFD Modelling

Complex airflow, temperature and pressure distribution, modelled using leading CFD software in the data centre industry, 6SigmaDCX, in line with industry best practice.

BRIZA

RED's generic modelling tool for the flow of energy and water in complex process dominated building systems, including data centres.

Embodied Carbon and Whole life Carbon Analysis

RED utilises in-house tools to calculate, analyse, and consult on the whole-life carbon of building designs and refurbishments. This supports GLA, LEED, BREEAM approvals

Digital Twinning & Augmented Intelligence

Digital Twin and AI tools to uncover new resilient strategies, that not only help to shape the built environment but also reduce project environmental footprint.

Twinmotion

Digital Visualisation and rendering platform that allows us to bring to life in imagery and VR a variety of complex infrastructure designs.

Point Cloud

Point Cloud surveys are used to establish the exact dimensions of existing architecture, structure and services.

ACCREDITED & CERTIFIED

RED's professional accreditations and certifications demonstrate our industry expertise and commitment to excellence.

Global accreditation and qualifications. Our designs and people often achieved "first in class"

- Accredited Tier Designers
- Certified Data Centre Sustainability
- Professional
- Certified Data Centre Design Professional
- BREEAM Accredited - Professionals & Assessors
- ESOS Lead Energy Assessor
- LEED / WELL Build Assessor
- Low Carbon Consultants and Energy Assessors

RED's work is accurate and certified benefiting both cost and programme management

- ISO 9001 | ISO 14001 | ISO 45001 | ISO 50001 | ISO 27001 Pending
- CSCS Platinum Certified
- SSIP Accredited
- PAS 91 Compliant (Constructionline)
- Approved Safe Contractor
- BS7858 Security Cleared Personnel
- SBTi Certification Pending

HEALTH & SAFETY

RED's team of specialist engineers provides exceptional site-related services, offering unparalleled health and safety guidance during projects. With extensive expertise, we ensure a safe and secure working environment, mitigating risks and ensuring compliance with health and safety regulations for successful project execution.

We advise and assist our clients through their construction projects to ensure that they are compliant with local Health & Safety regulations.

CDM Advisor

We provide CDM advisory services, guiding clients through the construction phase of their projects. With expertise in Construction Design and Management (CDM) regulations, we offer valuable support to ensure compliance and manage health and safety risks. Our dedicated team assists clients in navigating the complexities of construction while prioritising the well-being of their workforce. By leveraging our services, clients can confidently achieve regulatory compliance and successfully complete their projects.

CDM Principal Designer

Principal Designer services within RED are led by individuals that have extensive Project/Design Management experience and offer a hands-on approach to CDM Management.

Design in Safety

We offer comprehensive Design for Safety (DfS) assessments, which aim to proactively identify and mitigate safety and health risks associated with a project. Our assessments focus on integrating good design practices during the conceptual and planning stages, ensuring optimal risk reduction.

HAZOP Review

We provide Hazard And Operability Study (HAZOP) assessments to identify potential process controls, HSE and operational problems associated with the design, construction, maintenance or operation of a project.



PROCESS ENGINEERING

RED designs for Safety, Sustainability, and Customer Satisfaction. With 30 years of experience, RED delivers safe, sustainable, and customer-centric designs that prioritize safety, flexibility, and ergonomics, from start to finish.

Health & Safety Services

RED offer a wide range of professional services, including principle consultant roles, PSDP/ PSCS (Project Supervisor Design Process/ Project Supervisor Construction Stage), and comprehensive site support throughout the construction process. With a strong focus on health and safety, our dedicated team ensures the highest standards are met, providing excellent guidance and support to ensure a secure and compliant working environment for all stakeholders involved in the project.

Specialist Expertise

We possess extensive expertise in various areas, including pressure relief devices, process utilities, and parenteral manufacturing. Their proficiency extends to the design of critical pharmaceutical components such as vials, lyospheres, cartridges, oral solid dosage forms, and API containment systems. Additionally, they excel in the intricacies of clean room design, ensuring the creation of controlled environments that adhere to stringent industry standards.

Consultancy Services

Our comprehensive range of professional services includes front-end studies, utility studies, detailed process and piping design, control instrument and electrical design, as well as mechanical design. With a team of experts, we deliver meticulous and precise engineering solutions tailored to meet the specific needs of our clients, ensuring efficient and effective project execution from inception to completion.

Specialist Consultancy Services

We provide Hazard And Operability Study (HAZOP) studies, Safety assessment, Explosion protection, ATEX Studies, Commissioning and validation to handover, Planning, project lifecycle, piping stress analyses and environmental.



MEP SERVICES

Mechanical, Electrical, and Plumbing services (MEP) are vital in complex buildings, ensuring functionality, safety, and comfort.

Integrating MEP services efficiently is crucial in complex structures for building functionality, occupant comfort, and safety. From high-performance buildings to multiple land use developments, RED applies leading-edge tools to provide innovative MEP solutions.

Building Services

Core engineering design consultancy with specific expertise from advisory, through the various stages of design, construction support and commissioning. We collaborate with clients, design teams developers and main contractors to deliver high- performance and sustainable buildings.

Lead Designer

We engage with our trusted specialist providers to provide full design duties for all disciplines including civil, structural and architectural services along with telecoms, security and local consultants. All in addition to our core MEP services.

Commissioning Management

Structured and comprehensive pre-commissioning and formal commissioning effort to ensure quality throughout the project.

Client Representative

Technical project management services from concept stage to handover. Supporting clients with Technical reviews, programme advice, procurement advice, progress monitoring, quality control and witness testing.

Life Cycle Works

Undertaking the site surveys, condition reports, MEP design, construction support and commissioning of plant upgrades within live facilities.

Site Services

Site services within mission critical buildings and data centre facilities. This includes due diligence audits, site investigations, SPOF analysis, condition reports and Net Zero intervention works.



ICT

RED delivers excellent ICT services by integrating enterprise technology architecture, ensuring seamless connectivity and optimised systems for today's digital landscape.

Our design standards meet growing user expectations, maintaining high service levels and information availability. We create operational networks that cater to diverse needs, from public to corporate domains. Our designs support cloud, social networking, and mobile collaboration in the digital economy.

Strategic Consultancy

Whether a building scheme or a large campus capital development project; the RED ICT consultancy team engage with the key project stakeholders to ensure that the technical architecture strategy is future-proofed to reflect the demands of today's connected economy, to delivery mobility and continuous connectivity with on-line information resources.

Critical Facilities, Infrastructure Design, Procurement and Site Services

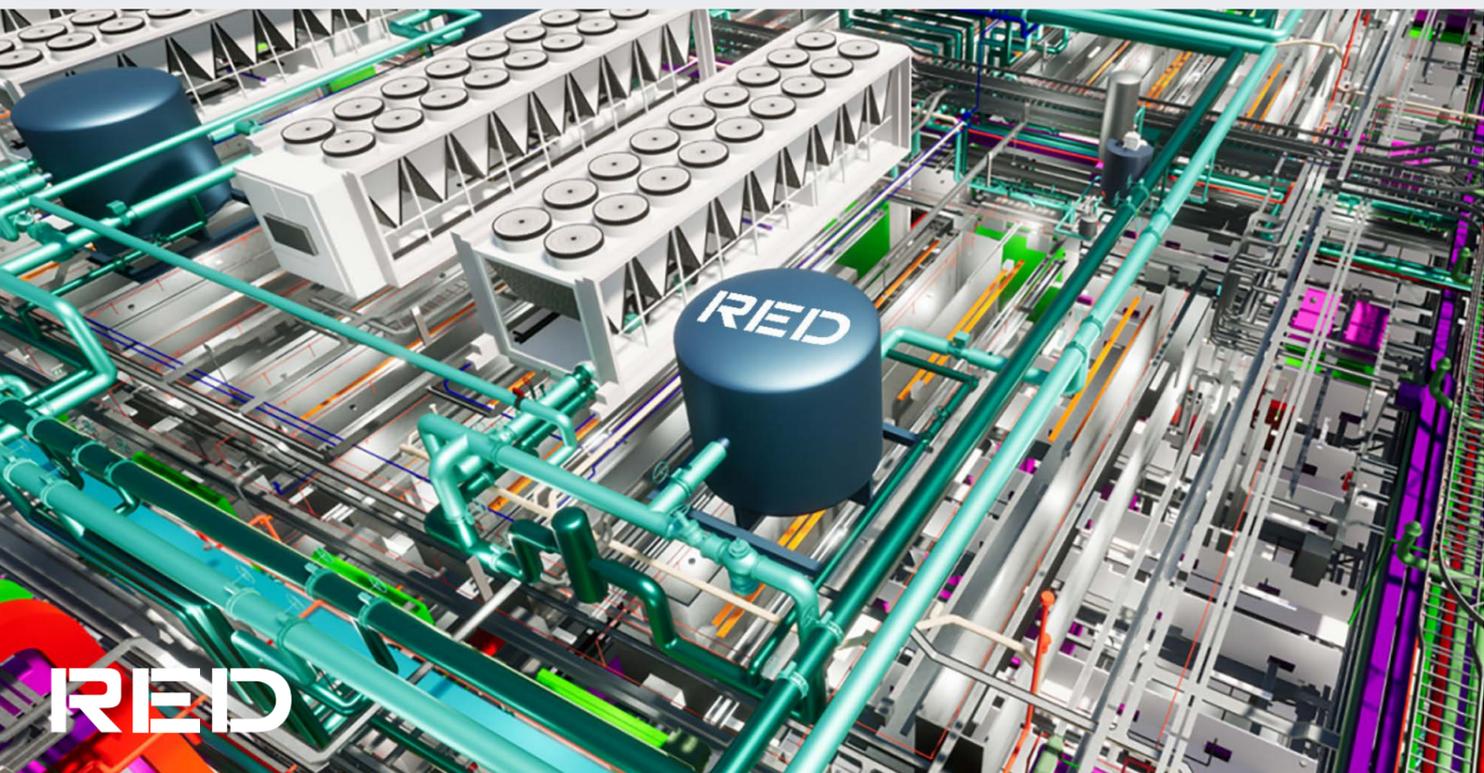
We deliver technical excellence often in demanding project conditions. Centred upon ICT and telecommunication infrastructure; we provide a complete range of project lifecycle consultancy services from initial requirements brief through detailed 2D/3D drawings and technical design specifications to supply chain consultancy and commissioning management services.

Technical Migration & Project Management

We partner with client ICT service management teams to plan and execute the seamless migration of ICT resources to support system upgrade and premises relocation. Our professional services include project budgeting, procurement consultancy and employers representative in resident engineering and commissioning management.

In Service ICT Consultancy

Operators and investors are increasingly focused upon continuous improvement in operational efficiency. We provide a range of resident engineering technical review services associated with converged IP data network operational performance. Project examples include technology asset audits, ICT equipment performance review, DC facilities audit, risk & resilience review, network security assessment, SLA alignment.



RED

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FOCUS ON SUSTAINABILITY

RED's Sustainability Solutions & Climate Change team delivers comprehensive sustainability analysis, compliance, certification, reporting, and strategy services. Aligned with IPCC's 1.5C global temperature increase target (2032), we guide clients in adjusting project parameters for environmental resilience, flexibility, and compliance with evolving



Sustainability Audits

The first step in any client's ambitions to reduce energy & carbon. Our audits vary in scope and are tailored to provide outputs to match clients reporting needs with GRESB, CRREM, UKGBC, ISO 50001, TCFD etc formatting.



Green Energy

RED's mission is to accelerate sustainable transformation with outcomes such as zero carbon, and we have extensive experience in Green Hydrogen, Wind, Solar, Geothermal & Biomass/ Bio Fuel.



impACT Consultancy

Aligned with the RIBA Plan of work Green Overlay & BSRIA BG6, our services are tailored to provide clients with a clear understanding of their projects' environmental impact and the actions they can take to make that impact as positive as possible.



Certifications

RED offers BREEAM Advisory Professional and consultancy services and works with clients to develop cost-effective strategies to meet planning requirements, providing support through to final certification. We also offer NABERS, LEED and WELL building standard consultancy.



Embodied Carbon – Life Cycle Assessments

Material & Equipment Embodied carbon studies including quantification and improvement studies to feed into project life cycle assessments.



Sustainability Regulation Compliance

Part L compliance. EPC assessments. ISO 50001 Planning Assessments. Planning Energy Statements. IES Modelling.

LIFECYCLE SOLUTIONS

The specialist services team within RED has a team of individuals that specialise in identifying and implementing plant replacement works within existing building.

Key Facts

Subject Matter Experts: Extensive design resource and R&D team with experts in key systems/ equipment.

Practical approach to design: Hands-on approach to design and implementation with engineers that have practical site experience.

Safety by Design expertise: CDM experts undertake safety in design reviews as part of internal QA Technical review process.

Commissioning expertise: Commissioning experts undertake commissioning reviews on designs as part of QA Technical review process.

Dynamic implementation: Use of digital & virtual engineering tools alongside our design office in Manila ensures an efficient delivery model.

Typical scope of services includes:

- MEP design packages
- Feasibility reports
- Condition reports
- Site validations
- Life-cycle costing studies
- Low carbon technology studies
- Plant replacement strategies
- Buildability / phasing methodology advice
- Planning / programmes
- Energy and carbon assessments
- Project risk analysis



RECOGNISED BY THE INDUSTRY

RED's success can be measured by the repeat business from blue chip organisations and having won awards for our sustainable engineering and innovation, often beating off long-established competitors in the process.

IN 2023

WINNER: MECHANICAL ENGINEER OF THE YEAR, Esteban Castro, **CIBSE UAE Awards 2023**

WINNER: ELECTRICAL ENGINEER OF THE YEAR, Sarah Hussain Zahidi, **CIBSE Awards 2023**

WINNER: HIGHLY RECOMMENDED AWARD, Roshan Patel, **CIBSE Awards 2023**

WINNER: YOUNG MISSION CRITICAL ENGINEER OF THE YEAR, Alex Doey, **DCD Awards 2023**

WINNER: EMPLOYEE WELLNESS INITIATIVE OF THE YEAR, Middle East **MEP Awards 2023**

WINNER: YOUNG ENGINEER OF THE YEAR, Takwa Dawdi, Middle East **MEP Awards 2023**

WINNER: RISING STAR AWARD, Taya Williams, **Women into Construction CIC 2023**

SILVER AWARD RECOGNITION: WORKPLACE WELLBEING, MIND Index 2021

WINNER: ENGINEERING CONSULTANT OF THE YEAR, Building Awards 2020

WINNER: BUSINESS EMINENCE AWARD: Red Engineering Asia Pacific, Dun & Bradstreet 2020

HIGHLY COMMENDED: SUSTAINABLE PROJECT OF THE YEAR – Batelco Data Centre in Bahrain, Middle East MEP Awards 2019

WINNER: ENGINEER OF THE YEAR: Joe Wu, Commissioning Specialists Association (CSA) Awards 2019

AWARDED BEST DC INNOVATIVE PARTNER: Huawei Middle East Partner Convention 2018

WINNER: CUSTOMER ENGAGEMENT AWARD – assuRED, Tractebel Awards 2018

HIGHLY COMMENDED: SUSTAINABLE PROJECT OF THE YEAR – IsBank Project, ME MEP Awards 2017

WINNER: MISSION CRITICAL ENGINEER OF THE YEAR, James Rowse, EMEA '13

WINNER: ENGINEER OF THE YEAR, Shaun O'Mahoney - Datacentre Dynamics Awards '14

HIGHLY COMMENDED: INNOVATIVE ENERGY-EFFICIENT PROJECT, Environment & Energy Awards '13

WINNER: ENERGY EFFICIENT DATA CENTRE, Energy Awards '13

WINNER: MEP INNOVATION OF THE YEAR, Seawater Cooling Technology, Middle East MEP Awards '13

WINNER: MISSION CRITICAL ENGINEER OF THE YEAR, Alex Nock, EMEA DCD Awards '13

WINNER: SPECIALIST MEP CONSULTANCY OF THE YEAR, Middle East MEP Awards '12

WINNER: ENGINEER OF THE YEAR - Alastair Mitchell, Middle East MEP Awards '11

WINNER: MEP INNOVATION OF THE YEAR - Bioclimatic Design for Hotels, Middle East MEP Awards '11

WINNER: GEIT GREEN ENTERPRISE IT AWARD '11 by the Uptime Institute

WINNER: THE 'GREEN' DATA CENTRE - Cap Gemini Merlin Data Centre, Data Centre Leaders Awards '10

WINNER: INNOVATION OF THE YEAR - Bladeroom Data Centre, Middle East MEP Awards 2010

WINNER: ENGINEER OF THE YEAR - Paul Allen, Red Engineering Middle East, ME MEP Awards '10

WINNER: CHARTERED ENGINEER OF THE YEAR - Marcus O'Brien, Engineers Ireland Excellence Awards '10

And more!

KEEP IN TOUCH

For more information about RED, please contact:

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Market-leading Engineering Design consultancy
**specialising in the Built Environment, Data Centres,
ICT and Sustainability.**

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