

The logo for StrucX, featuring the word "Struc" in blue and "X" in orange, set against a white background.

StrucX

A black and white photograph of three people in an office setting. A man in the foreground is resting his head on his hand, looking thoughtful. Another man is looking at a small object in his hands. A woman is visible in the background. The image is partially overlaid by a blue banner at the bottom and an orange square on the right side.

Engineering Excellence

Your Partner for World-Class
Design and Engineering

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About Us

At StrucX, we are dedicated to pushing the boundaries of design and engineering to deliver solutions that truly transform the built environment. Founded in the UK, our journey began with a vision to revolutionise the design and engineering of construction projects, merging advanced engineering with the extensive practical expertise of our co-founders, industry partners and associates. Guided by our mantra of **Engineered with Innovation**, we partner with industry leaders and stakeholders to tackle complex projects, achieving outstanding results that not only meet but exceed expectations. Our team is committed to exploring innovative solutions, whether through advanced design techniques, sustainable practices, or smart technology integration.

At StrucX, we believe that delivering exceptional value goes beyond just meeting project specifications. We take a client-centric approach, actively listening to our clients' needs and aspirations to tailor our solutions accordingly. We prioritise rigorous standards in all aspects of project management, design, and execution. By adhering to best practices in governance, we ensure that every project is delivered transparently and efficiently.

Through unwavering dedication to quality and innovation, the team at StrucX has earned a reputation as trusted partners in the design and engineering field. Our extensive portfolio showcases our ability to manage projects of varying scales and complexities, from large infrastructure developments to intricate architectural designs.

Health and Safety forms the bedrock of our operations, with stringent safety standards and comprehensive risk assessments ensuring the well-being of all stakeholders. Our commitment to continuous safety training creates a culture of accountability and vigilance, protecting our personnel and upholding project integrity.

Our **passion, precision, and innovation** drives us to redefine industry standards and deliver exceptional projects that integrate advanced technologies and sustainable practices. Our team's commitment to excellence ensures that we not only meet but exceed expectations with every project, building deep rooted and trusted partnerships and delivering superior quality and innovative solutions on time and within budget.

At StrucX, our mission is clear, that is, to lead the evolution of the design, engineering and the construction industry, consistently delivering excellence and embracing the future of engineering with every project we undertake, thereby fostering trust and confidence among our clients.



TECHNICAL
EXCELLENCE



INNOVATION



DIGITAL



GLOBAL
DESIGN CENTRE

StrucX



Our Team

At StrucX, our strength lies in the collective expertise and dedication of our teams. Composed of industry experts, seasoned professionals and dynamic innovators, each member brings a unique blend of skills and experiences that drives our mission forward. From design, engineering & architecture to project management, each team member contributes to delivering excellence and pioneering solutions in every aspect of our operations. Together, they uphold our commitment to quality, sustainability, and client satisfaction, making StrucX a leader in the global design and engineering landscape.

Raja Narwari *BEng, MSc, CEng, FStructE*

Co-Founder
Director of Design and Engineering

Raja Narwari is a dynamic and accomplished leader in the Industry, bringing over two decades of experience in the construction, engineering, and project management sectors. A Chartered Structural Engineer and Fellow of the Institution of Structural Engineers, Raja's expertise spans across Europe, North America, Middle East and Asia Pacific, where he has successfully led multidisciplinary teams on high-profile projects in the rail, metro, and infrastructure sectors.

As Managing Partner and Director of Design and Engineering, Raja is committed to driving strategic growth, innovation, and operational excellence at Strucx. His leadership focuses on enhancing the company's service offerings through technical best practices, innovative digital tools, and effective project delivery strategies, ensuring that Strucx continues to deliver high-quality, cost-efficient solutions tailored to client needs.

Previously, Raja has held significant leadership roles as Director of Transit (International regions) & Global Director Engineering (Stations) at AECOM, and Client Director at Atkins, global infrastructure firms.



Rajeevan Rameth *BEng, MTech, CEng, FStructE*

Co-Founder
Director of Design and Engineering

Rajeevan Rameth brings over 30 years of experience in delivering major Structural and Civil Engineering projects globally. A Chartered Structural Engineer and Fellow of the Institution of Structural Engineers, Rajeevan is a seasoned leader renowned for his strategic approach to managing complex engineering projects, developing multidisciplinary teams, and overseeing large-scale infrastructure developments.

As Managing Partner and Director of Design and Engineering, Rajeevan is responsible for driving the technical excellence and innovation that define StrucX's approach to engineering. He leverages his extensive experience across high-profile metro, rail, nuclear, airport, and building projects to lead and mentor teams in delivering world-class solutions that meet the highest standards of safety, sustainability, and efficiency.

Previously, Rajeevan has held significant technical leadership roles at Atkins as Technical Authority on Riyadh Metro project & Senior Design Director at AECOM on NEOM Spine project, two of the world's largest engineering consulting firms.



Mark Raiss *MA, MSc, DIC, PhD, FREng, CEng, FICE, FStructE, HonFRIBA*

Technical Specialist - Engineering

Mark Raiss is a distinguished expert in the infrastructure sector, with extensive experience in bridges, roads, railways, and underground structures. Beginning as a bridge engineer, he has led multi-disciplinary teams on major projects worldwide, including the UK, Hong Kong, Saudi Arabia, and Malaysia. Mark's passion for innovative, cost-effective solutions has driven advancements in construction methods, reducing costs and carbon impact. His notable projects include the Elizabeth Line (Crossrail), HS2, and NEOM Infrastructure. Mark has held senior roles such as Chairman of Benaim and Managing Director at URS Hong Kong. He is also a Fellow of the Royal Academy of Engineering and an Honorary Fellow of the Royal Institute of British Architects.



John Roberts *BSc (Hons), Dipl Eng, CEng, FICE*

Technical Specialist - Engineering

John is an engineer and thought leader linking design, construction, digital innovation, and education, acting as a catalyst for change and innovation. Over 38 years he has led projects and offices for consultants and contractors in the UK, US, India, and China, during technical and strategic leadership roles at Arup, Atkins, and Laing O'Rourke.

Since 2020 his portfolio of work includes Chief Engineer at McGee, Digital Consultant at Priestland Consulting and Royal Academy of Engineering Visiting Professor at the University of Hertfordshire. His key focus is how design, construction and digital tools can be integrated to deliver better outcomes, with an increasing focus on net-zero.

John has delivered major projects in sectors including aviation, rail, nuclear, water, offices, stadia, and public buildings. With experience including Modern Methods of Construction (MMC), innovation strategy and digital transformation, he brings together the diverse technical and leadership skills needed for multidisciplinary design, construction, and assurance.



Andrew Stotesbury *AMICE*

Technical Specialist - Temporary Works

Andrew Stotesbury has extensive experience spanning over two decades in Building Construction with expertise in delivery and supply of Temporary Works solutions. Andrew started his career at G.Wimpey and advanced through significant roles with notable firms like Costain and Laing O'Rourke, Andrew has led pivotal projects from the construction of a £120M power station to overseeing major temporary works for the New River Medway m2 Bridge. His active contributions to the Temporary Works Forum and his role as an Associate Editor of the ICE Journal have set high standards in the industry. At Lendlease, he has been instrumental in shaping best practices for temporary works across Europe, reflecting his commitment to excellence and innovative engineering solutions.



Chandy Patel *CEng, MICE*

Technical Specialist - Ground Engineering

Chandy Patel is a highly experienced geotechnical engineer with over 40 years of expertise in civil and geotechnical engineering across major global infrastructure projects. His extensive background includes working on rail, highway, water, marine, and building projects, providing invaluable geotechnical leadership and insights. Chandy excels in ground/structure interactions, deep excavations, and foundation design, including static and seismic analysis of earth-retaining structures. As a Chartered Engineer with a career spanning multiple countries, his ability to manage and review complex geotechnical designs ensures StrucX's projects are delivered with technical excellence and innovation.



Azhar Quaiyoom

Director - Sustainability

Azhar Quaiyoom, Director and CEO of Qsustain, spearheads the company's operations in a strategic partnership with StrucX. Together, we deliver advanced, sustainable engineering solutions. With Azhar's extensive expertise in MEP design, sustainable developments, and project engineering, this collaboration significantly enhances our shared capabilities, particularly in critical areas such as Heat Networks, Glare Analysis, and Renewable Energy & Low Carbon technologies. Our joint efforts focus on addressing complex projects with precision and an emphasis on sustainability.

Azhar is a Chartered Engineering professional, recognised for his deep knowledge in BREEAM methodology and his commitment to promoting low-carbon solutions. His qualifications, including MCIBSE, BREEAM AP, and a first class degree from UMIST, reflect his commitment to leadership in sustainable engineering practices.



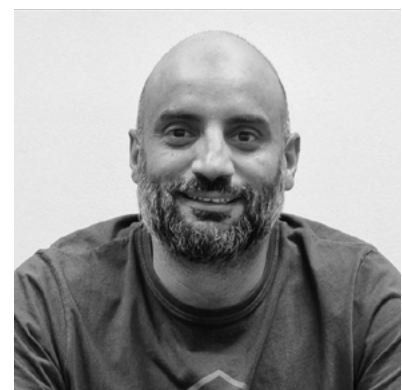
Atif Syed

Director - Digital Engineering

Atif Syed, Co-founder and CTO of Imobisoft, leads the company's technological innovation, delivering advanced digital engineering solutions across sectors like healthcare, utilities, construction engineering, AI, and Machine Learning. His expertise in Software Engineering, AI, Machine Learning, IT Strategy, and Project Management enhances capabilities in predictive analytics and innovative software development.

Holding both a BSc(Hons) and an MSc in Computer Science from Coventry University, Atif leverages AI and Machine Learning to create impactful solutions. He has collaborated with organisations like the NHS—enhancing patient care through predictive analysis—as well as Northern Gas Networks, GSK, BSKyB, the BBC, and leaders in the construction industry.

Dedicated to innovation, Atif inspires engineering teams and navigates the dynamic technology landscape, positioning himself as a leader in digital engineering and AI.



Imran Khokhar

Director – EPC (Middle East and Africa)

Imran leads the business across the Middle East and Africa. Through a strategic relationship between StrucX and MikenDad, he plays a key role in expanding our service offerings in the region. A graduate of the University of Engineering and Technology (UET) in Lahore, Imran holds a degree in Mechanical Engineering. With over two decades of professional experience spanning Pakistan, France, and the UAE, his expertise is deeply rooted in the oil and gas sector, particularly in process engineering and EPC (Engineering, Procurement, and Construction) contracts. His leadership and technical acumen are critical in propelling our continued growth in the Middle East and African markets.



Yilong Chen *BEng(hons), CEng, MICE, PMP*

Technical Director

Yilong is a Chartered Engineer and certified Project Management Professional with over two decades of experience in railway, civil, and structural engineering. His leadership roles with global engineering and construction companies have been characterised by his strong commitment to excellence, innovation, health & safety and sustainability. He has successfully delivered major infrastructure projects, including London Cross Rail and Riyadh Metro Package 3, and played a pivotal role in the Malaysia East Coast Rail Link, his contributions included setting up the project framework, ensuring delivery of engineering design, and establishing preliminary operation and asset management aspects.

He excels in strategic engineering planning, leveraging technical expertise in metro, rail, civil, and structural disciplines, while providing proven leadership in major international infrastructure projects. His capabilities extend to project management, delivery controlling, and technical governance, as well as complex technical coordination and assurance across multidisciplinary teams. Yilong has a strong ability to foster stakeholder engagement and build effective relationships, while also excelling in competitive bid preparation and commercial management.



Xin Pan *BA(Hons), MSc, MBA, CEng, MICE*

Business Development Director

Xin is a highly experienced infrastructure expert with over 20 years of global experience, having worked in Europe, Africa, and Asia. His expertise is particularly focused on the port sector, where he possesses comprehensive end-to-end capabilities in port development, including business advisory, feasibility studies, design and engineering services, construction management, and operational consulting. His most recent experiences have equipped him with the ability to leverage cutting-edge technologies to deliver smart and green port solutions for his clients.

Driven by a passion for global infrastructure development, Xin has extensive experience managing key accounts and understanding their challenges. His diverse work experience at Atkins, CHEC, PwC, and Envision has allowed him to build end-to-end capabilities in leading multi-disciplinary teams to create value and address clients' increasingly complex challenges.



Radhesh Prabhakar *BTech, MTech*

Structural Engineering Leader

Radhesh is a highly accomplished Structural Engineer with over 30 years of experience designing high-rise buildings, commercial buildings, industrial facilities, and water and sewage treatment plants across India and the Middle East. Renowned for his innovative designs and sustainable solutions, he has contributed to numerous landmark projects.

An expert programmer, Radhesh has developed advanced design and detailing software that integrates seamlessly with ETABS and STAAD using API technology. These tools streamline processes by automating calculations, generating detailed drawings, and producing accurate material take-offs.



Freddy McBride *BA (Hons), MS, Dip, RIBA, ARB*

Associated Consultant - Architecture

Freddy McBride is a highly experienced architect with over 30 years in the transport sector. A chartered member of RIBA and ARB-registered, Freddy has led major rail and transit projects such as Crossrail, the Northern Line Extension, and the Cooling The Tube program. His expertise spans design leadership, project management, and technical assurance, overseeing complex projects from feasibility to construction. Freddy's key projects include Woking Station redesign, Luton Airport expansion, and Jeddah Metro. With strong stakeholder management and deep knowledge of railway systems, he excels in managing multi-disciplinary teams, ensuring compliance, and delivering high-quality designs. Freddy's comprehensive skill set has made him a pivotal figure in large-scale transport infrastructure.



Ozma Khan *BA (Hons), BArch, MSc, RIBA, ARB*

Associated Consultant - Architecture

Ozma is an experienced Architect with management as well as a design background, with a broad base of professional experience from small scale residential building types to multi-million-pound new build projects. Ozma has over 25 years' experience as a registered Architect across Middle East and the UK. Ozma's technical experience includes working on NEOM, Allula, Horizon Nuclear Power, Magnox Limited, and nuclear submarine facilities at Devonport. Ozma has also worked on several Government facilities through the Scape framework. Her industrial experience includes working on a large automotive factory for Dyson. Ozma has strong leadership qualities, demonstrated thorough management of small teams on commercial, residential and hospitality projects in Dubai. She also has an MSc in BIM and Integrated Design.



Richard Li *BA (Hons) Architectural Venue Design and Digital Innovation*

Associated Consultant - Digital Engineering

Richard has gained over 25 years' experience in the Architectural and Construction industry as an Architectural Designer, BIM Management demonstrating contemporary designs and project management, serving his time and experience from companies like Atkins, Aecom, Balfour Beatty, and Mace Construction. His involvements included in Retail, Education, Aviation, Data Centres and Government led projects.

Richard's project experience includes NEOM, Dyson, Devonport, Facebook, RAF, and Ummahat Alshaykh Island Resort, Saudi Arabia (Red Sea Development).

Richard is a key leader in design and development in the realms of digital technology, integration of building designs in 3D environment, demonstrating new ways to engage with clients and immerse with technology such as Building Information Modelling (BIM), Virtual Reality (VR) Augmented Reality (AR).



Nick Gorst

Associated Consultant - Ground Engineering

Nick Gorst is a seasoned Chartered Civil Engineer with over 30 years of expertise in geotechnical engineering and concrete technology. His experience spans the inspection, assessment, and design of foundations, earthworks, basements, and retaining structures across a range of sectors including highways, railways, flood defences, and waste management. Nick has contributed significantly to the development of concrete and geotechnical standards, serving on multiple BSI and European standards committees. His ability to oversee complex geotechnical designs, coupled with his educational background as a university lecturer, makes him an invaluable asset to StrucX. Nick's proficiency in advanced concrete technology, foundation design, and mentoring ensures that StrucX's projects are delivered with a focus on technical precision, innovation, and sustainability.



Hasan Shaikh

Architecture Leader

Hasan Shaikh brings over 31 years of comprehensive experience in delivering cutting-edge projects across Dubai, Qatar, Iraq, and India. His multidisciplinary expertise spans project management, architectural design, and site coordination, making him a versatile leader in the full project lifecycle. Hasan's strengths lie in his detailed design skills, ensuring seamless integration of architecture, MEP, structure, and façade systems. His ability to produce thorough and well-coordinated tender documents ensures cost-effective construction. Hasan's depth of experience in managing high-rise towers, hotels, palaces, and residential complexes adds significant value by improving design efficiency and reducing construction costs while upholding quality and client satisfaction.



Babu M Raghavan *BTech, MSc, CEng, MStructE, MIE, MASCE*

High Rise Buildings Structural Leader

Babu M Raghavan, with over 34 years of experience in civil and structural engineering, is a leading expert at StrucX. His extensive portfolio includes 19 years of experience in the UAE, where he has played a key role in landmark projects such as the Bay Gate Tower, The Opus, and the UAE Pavilion at Expo 2020. As a Chartered Structural Engineer with the Institution of Structural Engineers (UK) and a member of various prestigious engineering bodies, Babu has a proven track record in delivering high-rise and complex structures from concept to completion. His deep technical expertise, combined with his ability to manage multidisciplinary teams, ensures seamless project delivery while meeting the highest standards of innovation and regulatory compliance.



Roy George *CEng, PMP, LEED AP*

MEP Leader

Roy George is a seasoned Chartered Electrical Engineer with 29 years of expertise in electrical building services design and project management, specialising in metro rail stations, airports, military airbases, and high-rise buildings across the Middle East. His technical proficiency includes LV distribution, fire alarm systems, earthing, lightning protection, and integrated MEP coordination. With extensive experience leading design teams, managing multidisciplinary coordination, and liaising with clients, Roy has played a key role in high-profile projects like NEOM Spine Railway, Doha Metro, and Dubai International Airport. His leadership and technical acumen ensure that StrucX's projects are delivered with precision, efficiency, and innovation.



Nagaraj Manjunath

Structural Engineering Leader

Nagaraj Manjunath is a highly experienced Structural Engineer with over 23 years of expertise in the analysis, design, and management of concrete structures. His career includes leading projects across a range of sectors, from residential and commercial developments to complex infrastructure projects like metro stations and software parks. Nagaraj's deep understanding of International Codes of Practice, combined with his experience in non-destructive testing and finite element analysis, has enabled him to deliver projects of high technical precision and quality. His leadership roles in various companies, along with his client-facing expertise and project management skills, make him a vital contributor to StrucX's success. With a commitment to technical excellence and innovative design solutions, Nagaraj ensures that StrucX's projects meet the highest standards of structural integrity and client satisfaction.



Sunil Kottarathil

Marine & Offshore Engineering Leader

Sunil Kottarathil is a highly experienced Project Manager and Marine/Offshore Specialist with over 28 years of expertise in managing complex offshore construction projects in the oil and gas industry. He holds advanced qualifications in Marine Technology and Civil Engineering and has managed large-scale projects for prestigious clients such as Saudi Aramco, ADNOC, Qatar Petroleum, and ONGC. Sunil's technical expertise spans offshore construction, subsea pipelines, platforms, trenching, and cable installations, alongside strong skills in strategic planning, risk management, and project execution. With a career marked by leadership, Sunil has held key roles in both project management and field execution, delivering successful outcomes through a results-oriented approach and adept coordination with stakeholders. His extensive global experience and technical acumen



Justyna Zarzecka

Finance & Business Development

With over a decade of experience in the banking sector, Justyna is a seasoned Finance & Business Development Professional Manager at StrucX, bringing a unique blend of financial expertise and sales into the engineering consultancy. Her deep understanding of financial operations, combined with her passion for the construction industry, positions her as a key player in driving business growth and building client-centric strategies.

Before transitioning to the engineering consultancy sector, Justyna spent more than 10 years in various roles with Lloyds Banking Group, where she developed a strong foundation in financial analysis, risk management, business lending, and client relations. Her extensive experience in the financial sector enables her to approach sales with a strategic mindset, understanding the critical financial drivers behind large-scale infrastructure and engineering projects.



Faiza Ismail

Business Development Manager

Faiza is a highly skilled Business Development Manager with extensive experience in the construction sector in the Middle East. She excels in project management and client relationship management, leading cross-functional teams to ensure projects and tenders are completed on time and within budget. Faiza is known for aligning staffing and resources with project goals, ensuring seamless execution. Her focus on compliance, operational efficiency, and risk mitigation plays a key role in delivering client satisfaction and driving business growth. With a strategic approach, Faiza consistently delivers solutions that enhance the client experience and strengthen the company's competitive edge.



Najib Trombo *P.Eng. (Ontario), MBA, APGDRE (TERI), FIE (India), C.Eng.(India)*

Civil Engineering Leader

Najib is a Licensed P. Eng. from Ontario, Canada and FIE in India, with an experience of over 30 years in the Water Resources, Land Development, Urban and Rural Utilities, Renewables and Hydropower. He has worked with leading consulting organisations in Canada, USA and India. His expertise is enhanced by the delivery projects in Floodplain Management, Residential Developments, Drinking Water Supply and in Nuclear Intakes.

Najib brings in accomplishments as a global Technical Executive with a solid track record of building and leading large, geographically dispersed Civil Engineering teams.





STRUCK



Global Design Centre (GDC)

Pride of StrucX

Our Global Design Centre (GDC) based in India, serves as the premier design and engineering hub for StrucX, offering a cost-effective global resource pool that supports the company's regional operations. As a dynamic extension of our international teams, GDC delivers agile, efficient, and high-quality design services across multiple disciplines. With the ability to rapidly scale resources to meet project demands, GDC ensures seamless integration into our operations, optimising project workflows and enhancing productivity.

At the heart of the Global Design Centre (GDC) is its ability to provide cost-effective resourcing that allows StrucX to meet project demands without compromising on quality or efficiency. By strategically leveraging the talent pool in India, GDC offers an agile, scalable solution that significantly reduces overhead costs associated with project delivery via the regions. This model enables our regional teams to rapidly adjust resource levels based on project scope and timeline, ensuring that we maintain a high level of responsiveness and flexibility across all our global operations.

The cost advantages gained from GDC's expertise translate directly into competitive pricing for our clients, while still adhering to the highest industry standards. GDC's multidisciplinary teams work in close collaboration with regional offices, streamlining processes and minimising project delays. The time difference works to our advantage and by optimising resource allocation and ensuring efficient workflow management.

The co-founders of StrucX bring decades of invaluable experience in operating Global Design Centres (GDCs) for two of the world's largest design and engineering consultancies. Their deep expertise in managing and optimising GDCs has been pivotal in shaping StrucX's operational model. Through their leadership, they have honed a keen understanding of how to balance cost-efficiency with exceptional quality, using global talent to meet the demands of complex, large-scale projects.

Having managed diverse teams and large portfolios across multiple regions, the co-founders have developed a strategic approach that emphasises agility, scalability, and innovation. They are adept at leveraging the advantages of geographically distributed teams, particularly in regions like India, where a deep well of engineering and design talent exists. This allows StrucX to not only reduce overhead costs but also maintain high responsiveness and adaptability in a fast-paced industry.

Their collective experience has instilled a culture of excellence at StrucX, ensuring that the company remains competitive in delivering world-class solutions for clients across the globe. Their knowledge of GDC operations provides StrucX with a robust framework for continuous improvement and sustainable growth.

1

Source for strategic competitive advantage

2

Capability to rapidly scale up

3

Your partner to venture into new avenues

4

Cost advantage for the bottom line growth

5

Flexibility to grow the top line revenue

6

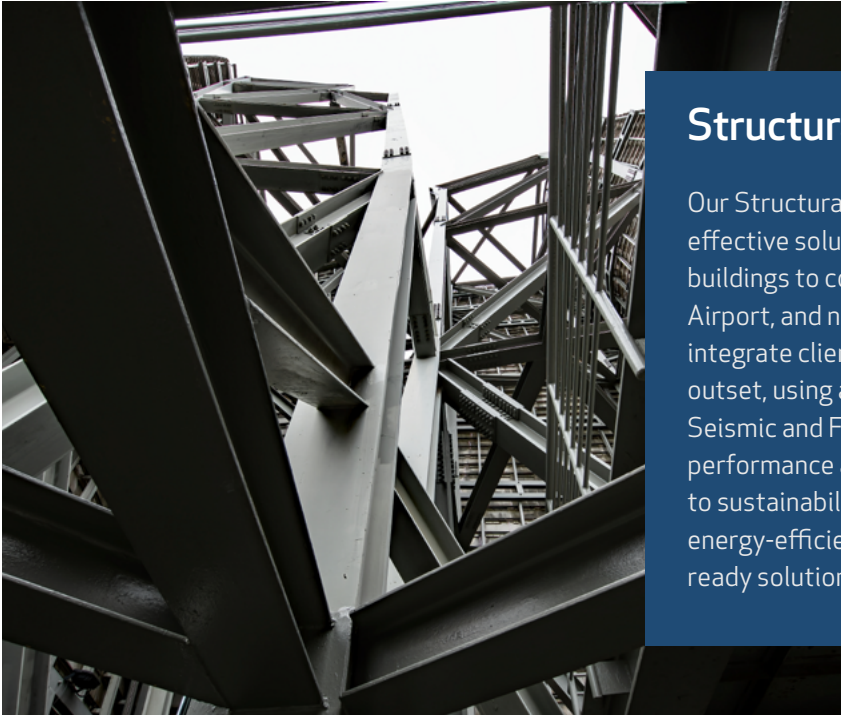
Consider us extension of your team and a trusted delivery partner.

Our Services at **StrucX**



Our Services at **StrucX**

StrucX specialises in delivering high-quality design and engineering services with a focus on innovation, timeliness, and cost-efficiency. From complex designs to vital railway infrastructure, we aim to exceed client expectations by delivering added value through seamless collaboration with our industry partners combining decades of industry experience with modern digital engineering techniques, ensuring sustainable success at every project stage.



Structural Engineering

Our Structural Engineering team delivers innovative, cost-effective solutions across various projects, from high-rise buildings to complex infrastructures including Railways, Metros, Airport, and non classified Nuclear power stations structures. We integrate clients' visions, requirements, and constraints from the outset, using advanced tools like Building Information Modelling, Seismic and Finite Element Analysis, to optimise structural performance and reduce material and costs. Our commitment to sustainability guides our use of eco-friendly materials and energy-efficient practices, enabling us to deliver robust, future-ready solutions across diverse sectors.

*Commitment to
Excellence and Innovation*

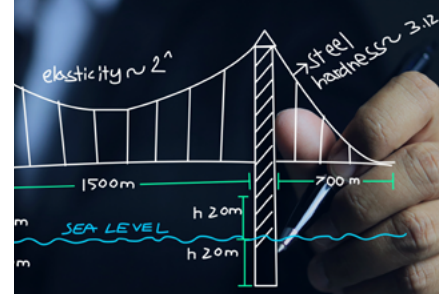
Civil Engineering

At StrucX, our civil engineering team delivers innovative, cost-effective solutions tailored to each project's specific needs. Our comprehensive services include feasibility studies, site optimisation, and advanced engineering strategies, all designed to address current requirements and future challenges. We focus on sustainable practices, including designing Sustainable Drainage Systems (SuDS) and conducting water quality assessments to meet environmental standards and mitigate flooding. Our expertise also covers detailed assessments of drainage, foundation strategies, and road design, ensuring each project meets high standards of safety, functionality, and sustainability.



Bridge Engineering

StrucX's bridge engineering team is renowned for creating innovative, performance-driven infrastructure solutions. We begin each project with a comprehensive needs assessment to align our designs with client goals, ensuring functionality, aesthetics, and sustainability are integrated seamlessly. Our services span the entire lifecycle of bridge engineering, from feasibility studies and advanced modeling to meticulous on-site oversight during construction. We are committed to building bridges that are resilient, adaptable, and designed for future generations, reflecting our legacy of innovation and enduring client relationships.



Project and Design Management

StrucX specialises in delivering high-quality design and engineering services with a focus on innovation, timeliness, and cost-efficiency. From complex designs to vital railway infrastructure, we consistently exceed client expectations by delivering added value through seamless collaboration with our industry partners combining decades of industry experience with modern digital engineering techniques, ensuring sustainable success at every project stage.

Consulting

StrucX is recognised as a trusted source for expert advice and consultation across various sectors. Renowned for our industry knowledge and a proven track record, we offer strategic consultations, risk analysis, and tender support including bid preparation and documentation. Our team also provides comprehensive post-tender support to ensure flawless project execution. We assist in developing technical and financial proposals, offer expert witness services, and conduct workshops and trainings to keep clients informed of industry trends, ensuring they stay competitive.

Onsite Assistance

Our Onsite Assistance service at StrucX plays a crucial role in the seamless execution of construction projects. From translating designs into construction plans to enforcing health and safety protocols, our on-site engineers ensure compliance with standards and efficiency in workflows. They are pivotal in maintaining project timelines, optimising resource allocation, and performing continuous quality inspections. With a commitment to excellence, our engineers coordinate effectively among all project stakeholders to address challenges promptly and ensure every project meets our high standards of quality and safety.



Building Information Modelling (BIM)

StrucX leads in BIM and CAD, utilising a team of skilled architects, engineers, and coding experts to ensure efficient project workflows. By applying advanced coding and automation, we quicken design processes, delivering high-quality, cost-effective solutions. Our expertise in Autodesk CAD and Revit allows early detection of design clashes, minimising construction delays. We integrate cutting-edge technology for enhanced stakeholder collaboration, ensuring seamless communication and project coordination. Partnering with StrucX guarantees investment in success and sustainable project outcomes.



Reinforcement Detailing

At StrucX, reinforcement detailing is integral to our structural engineering services. We deliver precise reinforcement solutions for concrete structures to ensure optimal strength and durability. Utilising advanced tools like CADS RC, Bentley Rebar, and TEKLA, we produce detailed 3D models that prevent rework by identifying potential conflicts early. Our collaborative approach with various disciplines ensures seamless integration of detailing into overall project designs, adhering to international standards for quality and safety.



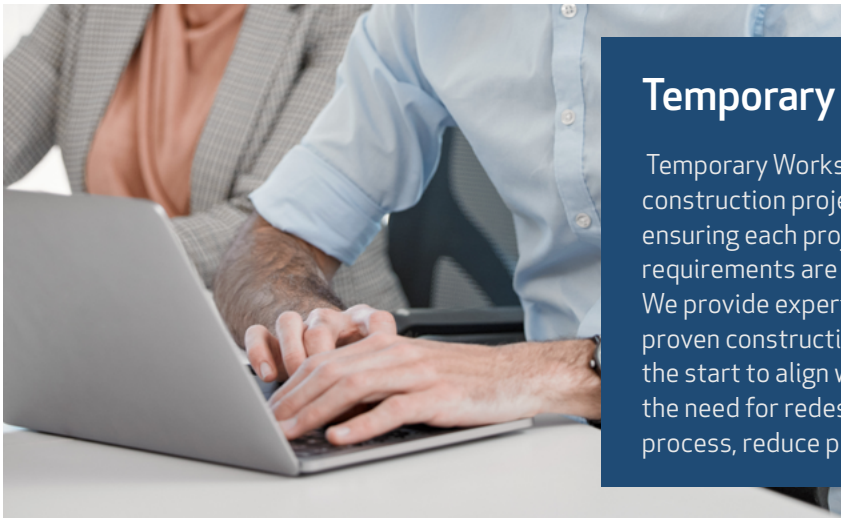
Ground Engineering

StrucX provides geotechnical solutions tailored to project-specific challenges, ensuring stability and safety across global construction and infrastructure projects. Our services range from site investigations to advanced geotechnical designs and construction supervision. We cover foundation engineering, soil stabilisation, slope stability analysis, and more. Committed to innovation, we utilise latest tools, technology and ongoing research to deliver sustainable, cost-effective solutions that guarantee the long-term success of projects.



Temporary Works Consulting

Temporary Works Design is an essential element of every construction project. We place design at the core of everything we do, ensuring each project's structural integrity, safety, and environmental requirements are thoroughly addressed before construction begins. We provide expert advice on constructibility and buildability for proven construction systems, ensuring designs are optimised from the start to align with efficient construction methods. By minimising the need for redesigns and re-detailing, we help streamline the build process, reduce project costs, and avoid delays.



Marine Engineering

StrucX offers specialist marine engineering services, guiding offshore projects with precision from pre-feasibility to installation. Our team, skilled in Naval Architecture and Metocean Evaluation, uses software like OrcaFlex to optimise design and performance under extreme conditions. We specialise in the design of mooring systems, riser configurations, and vessel structure analysis, ensuring robust, reliable outcomes that adhere to the strictest safety and environmental standards.



Architecture

StrucX provides comprehensive architectural services across industrial, public, and private sectors, emphasising sustainability and aesthetic integrity. Our expertise extends to sophisticated landscape architecture and eco-friendly urban development, with a focus on creating livable, functional spaces that reflect contemporary design principles. We integrate eco-friendly practices into every stage of the design process, ensuring that our solutions not only meet today's standards but also support a greener, more sustainable future.



Our multidisciplinary approach allows us to create innovative, functional, and aesthetically pleasing designs for a wide range of projects, including:

1 Architecture:

Full-service design for industrial complexes, public facilities, and private developments.

2 Infrastructure:

Design for bridges, roads, and urban infrastructure.

3 Urban Development and Landscape Architecture:

Creating cohesive urban environments and green spaces that enhance liveability.

4 Specialised Design:

Acoustics, lighting, and user experience, ensuring that every project delivers a holistic and user-centric experience.



Mechanical, Electrical, and Plumbing (MEP)

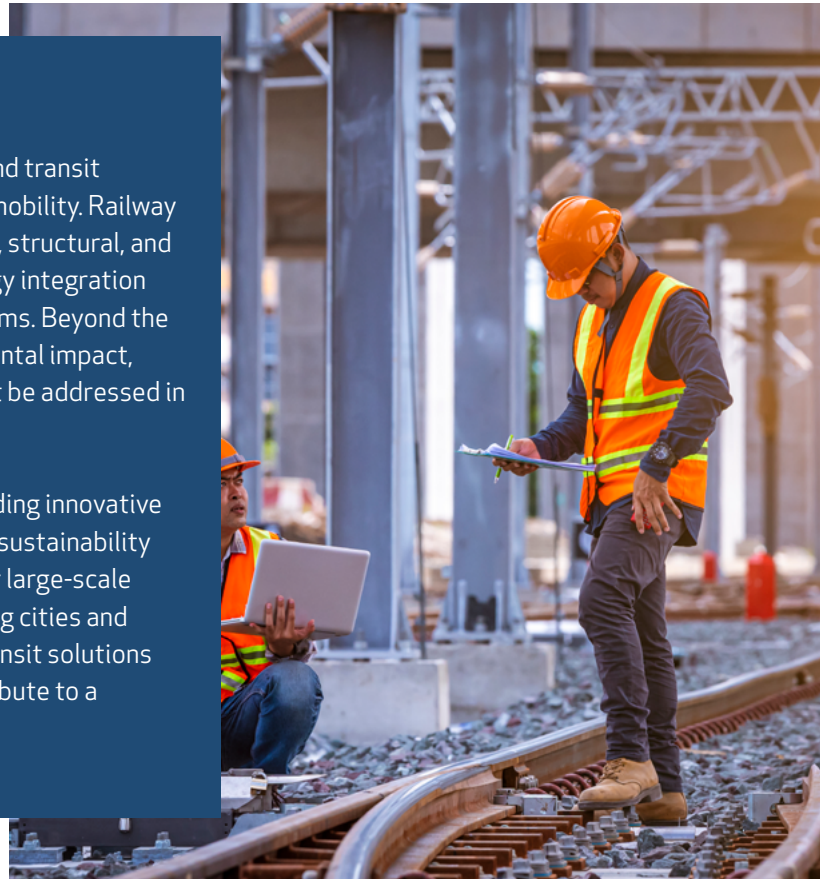
StrucX's MEP consultancy excels in delivering tailored solutions for complex systems in new builds and refurbishments, integrating sustainable practices at every stage. Our services include detailed HVAC design, energy-efficient electrical systems, and plumbing solutions that enhance building functionality and user comfort. Utilising tools like HEVACOMP and IES for simulations and energy modeling, we ensure that our systems are not only efficient but also environmentally sound, contributing to building sustainably and reducing operational costs.

Rail and Transit

At StrucX, we design and implement advanced rail and transit systems to address challenges of urbanisation and mobility. Railway systems involve intricate coordination between civil, structural, and geotechnical engineering, as well as latest technology integration for signalling, automation, and communication systems. Beyond the technical aspects, considerations such as environmental impact, long-term durability, and passenger experience must be addressed in the design and construction phases.

We specialise in overcoming these challenges, providing innovative solutions that enhance the efficiency, reliability, and sustainability of rail systems, whether for local transit networks or large-scale national infrastructures. We are committed to helping cities and governments implement state-of-the-art rail and transit solutions that not only meet today's challenges but also contribute to a cleaner, greener, and more connected future.

*Engineering Excellence in
Railway Infrastructure*



Stations

StrucX excels in transforming transit hubs into vibrant centres of transportation, business, and community life through station redevelopment and oversite development. We create integrated spaces that blend residential, commercial, and community facilities, fostering urban regeneration. With expertise in rail, retail, and residential projects, we deliver station developments that enhance user experience and commercial viability. Our end-to-end services ensure seamless integration with existing infrastructure, optimising operations and ensuring long-term value for communities.

*Unlocking the Potential of Station
Redevelopment and Oversite
Development*



Digital Engineering

At StrucX, we are at the forefront of transforming design and engineering within the construction industry. Our dynamic team of digital engineers at Imobisoft, our strategic partner leverages the power of cutting-edge tools and technologies to unlock unparalleled value for our clients.

- **Harnessing Innovation for Unmatched Value:** We focus relentlessly on collaboration and data-driven innovation, developing custom software solutions that streamline complex design processes, save time, and enhance precision and efficiency by reducing human error.
- **Automating Repetitive Tasks:** Understanding the productivity challenges of manual processes, our solutions automate repetitive tasks, freeing engineers to concentrate on strategic, high-value activities.
- **Seamless Information Management:** In construction, effective communication and data sharing are essential. Our digital tools ensure seamless information management, keeping all stakeholders aligned with access to real-time data.



The Key to Engineering Excellence

Our commitment to engineering excellence is demonstrated by our ability to harness technology to optimise design workflows through advanced software solutions. This integration enhances collaboration among multidisciplinary teams, breaking down silos and fostering a collaborative environment that drives innovation. Our data-driven decision-making is empowered by custom software that utilises data analytics to provide real-time insights, improving project outcomes and reducing risks.





Strategic Partnership with Imobisoft

Leading the Charge in Digital Engineering

We are proud to be backed by one of the U.K.'s award-winning digital engineering firms, Imobisoft. Their expertise in Artificial Intelligence and machine learning technology amplifies our capabilities, enabling us to push the boundaries of what is possible in engineering design.

Innovative AI Solutions

Together with Imobisoft, we leverage AI technologies to enhance our design processes. From predictive modelling to advanced simulations, our partnership equips us with tools that not only improve accuracy but also accelerate project timelines.

Continuous Improvement

Imobisoft's commitment to innovation aligns perfectly with our vision of transforming the construction industry. Their ongoing development of advanced tools and techniques ensures that we remain at the forefront of digital engineering.

Empowering Clients Through Digital Transformation

At StrucX, we view innovation as crucial to unlocking new possibilities in construction. Our digital solutions equip clients to confidently and effectively navigate the complexities of engineering design. We offer custom solutions tailored to the unique challenges of each project, ensuring that our tools effectively drive success. Our unwavering commitment to client success is demonstrated through our dedicated support and expertise, helping clients achieve their goals and adapt to the rapidly evolving industry landscape.



Strategic Partnership with QSUSTAIN

Helping our clients achieve greater engineering efficiencies with better economic, sustainable, and social outcomes

Sustainability

1

Pioneering Specialist Solutions for Complex Project Environments

We collaborate closely with our affiliate, Q Sustain, specialists in sustainable innovation, to help organisations track and manage greenhouse gas emissions, conduct energy efficiency and renewable energy feasibility studies, provide decarbonisation ROI analyses, and handle technical design in renewable energy.

2

Comprehensive Carbon Footprint Analysis

Using internationally recognised methodologies, we calculate carbon footprints across Scope 1, 2, and 3 emissions, analyzing energy consumption, transportation, waste generation, and supply chain activities. This comprehensive approach helps businesses develop targeted strategies for reducing their whole life carbon emissions.

3

Strategic Carbon Management

We develop tailored carbon reduction strategies, set measurable emission reduction targets, and implement mitigation measures. This approach allows businesses to reduce their carbon footprint, comply with regulations, and demonstrate environmental leadership.

4

Innovative Solutions for the Construction Industry

Our groundbreaking digital tool mitigates environmental impacts in construction by integrating data management and accurately calculating embodied carbon emissions throughout the build process. Features include real-time data and analysis, ensuring sustainability is prioritised at every construction phase.

5

Our Specialist Services

We offer energy efficiency and carbon neutrality studies, whole life carbon assessments, and manage pioneering HEAT network projects. Our expertise extends to site sustainability consulting, carbon literacy training, and support for Public Sector Decarbonisation Scheme applications. We also assist with ISO 14001 accreditation and develop bespoke Environmental Social Governance strategies.

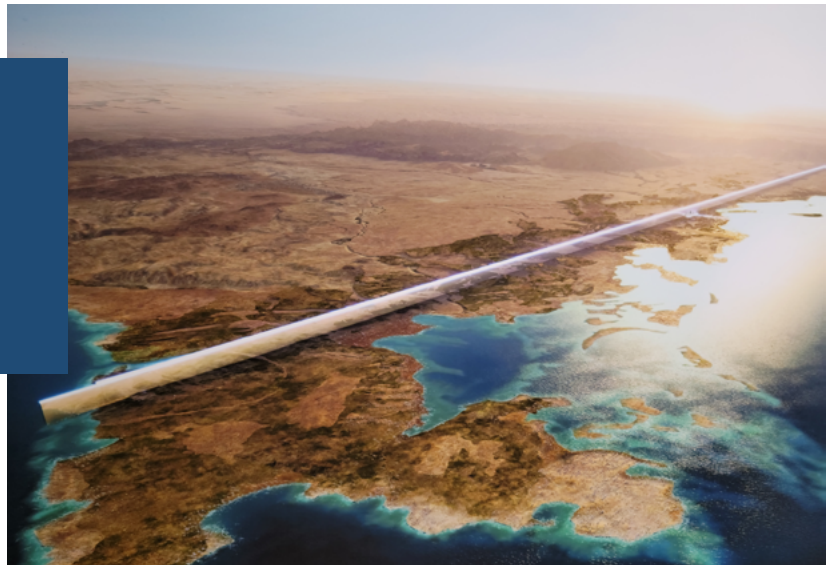
Built Environment Efficiency

Our Collective **Project Experience**

At StrucX, our collective project portfolio of the team stands as a testament to the expertise and dedication of our multidisciplinary team. Delivered by a group of industry-leading professionals, our expertise spans across geotechnical engineering, structural design, rail infrastructure, energy efficiency, architecture and more. Each project is executed with a focus on innovation, precision, and sustainability, ensuring that we consistently exceed client expectations. From complex infrastructure developments to pioneering sustainability initiatives, the team at StrucX brings unparalleled knowledge and experience to every phase of the project, resulting in outstanding outcomes that set new benchmarks in the industry.

NEOM

Kingdom of Saudi Arabia



Dubai Metro

United Arab Emirates

Birmingham New Street Station

United Kingdom



London Heathrow Terminal 5

United Kingdom



Hung Hom Station

Hong Kong



Riyadh Metro

Kingdom of Saudi Arabia



Business view Hotel, Business Bay

United Arab Emirates

St. Pancras Station

United Kingdom



King Abdul Aziz International Airport

Kingdom of Saudi Arabia



Dubai International Airport

United Arab Emirates



Dubai Marina Towers

United Arab Emirates



Jumeirah Beach Hotel and Wild Wadi Aquapark

United Arab Emirates



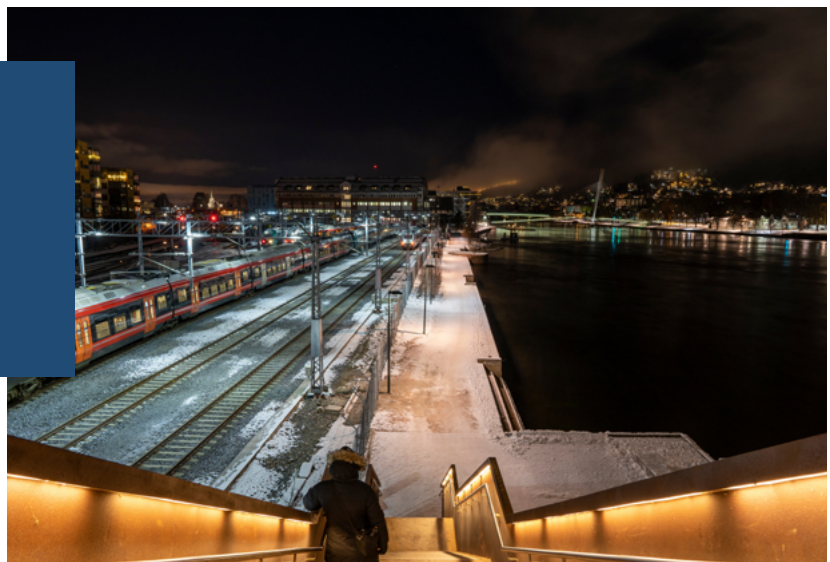
Sandbukta- Moss-Såstad

Norway



Drammen – Kobbervikdalen

Norway



West Anglia Main Line

United Kingdom



Residential Projects

United Kingdom



Swansea Marina Residential and Mixed use Development

United Kingdom



Other Notable Projects

- Hinckley Point C Nuclear Power Plant - United Kingdom
- Thames Tideway Tunnell - United Kingdom
- Purple Line Metro - United States of America
- Dubai Land Villas - United Arab Emirates
- Doha Metro - Qatar
- London City Airport - United Kingdom
- Gautrain Metro - South Africa
- Chicago Beach Resort - United Arab Emirates
- Broadway Station - New York, USA
- E6 Storhove Øyer - Norway
- Etihad Rail - United Arab Emirates
- HS2 London Euston Station re-development - United Kingdom
- Cross Rail Anglia - United Kingdom
- King Abdul Aziz Road Metro Stations - Kingdom of Saudi Arabia
- Oil Terminal Building - Africa
- London Bridge Redevelopment - United Kingdom
- Crystal Tower - Iraq
- East Coast Railway Link - Malaysia
- Gautrain Metro Project - South Africa
- Mixed use Development Poject - Pakistan



StrucX

Engineering the Future

At StrucX, we are more than a design and engineering firm; we are pioneers in shaping the future of infrastructure and construction. Our commitment to innovation, sustainability, and client satisfaction drives every project we undertake, from large-scale metro systems to breathtaking architectural designs. With a global team of experts, a focus on technological advancement, and a dedication to excellence, we endeavour to set new industry benchmarks. StrucX's collaborative approach, powered by our Global Design Centre, ensures efficient, cost-effective, and world-class project delivery. As we look to the future, we remain steadfast in our mission to engineer a better, more sustainable world, positioning StrucX as a trusted partner in delivering transformative solutions for the built environment.

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Disclaimer: The projects showcased represent the personal experiences of our team. These projects are for illustrative purposes and reflect our team's individual skills and creative exploration. They are not intended to represent any specific client, company, or professional service, unless otherwise stated.

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