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the CORPORATE PROFILE of
a SPECIALIST CONTRACTOR



SINGAPORE / INTERNATIONAL

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ELEVATING VISIONS,
SHAPING FUTURE



The Founder's Perspective



Innovation remains a cornerstone of Utracon. By applying technical expertise, advanced materials, and proprietary equipment, we continuously refine construction methodologies. Our capabilities in structural design and hydraulic systems have expanded to include bridge launching and heavy lifting works, further reinforcing our position as a trusted partner in complex engineering projects.

We are equally committed to building an organisation where engineering talent thrives. Utracon fosters professional growth, promotes knowledge-sharing, and provides rewarding career pathways, sustaining a culture of technical excellence and dedication.

At the heart of our success is collaboration. We believe no breakthrough is achieved in isolation. This spirit of teamwork drives innovation and ensures consistent value for our clients. By harnessing the strength of our people and partnerships, Utracon continues to advance the frontiers of construction engineering.

Yours faithfully,
Kuah Siong Choon & Mark Wong Kwok Wah

Utracon's journey began with a clear vision: to meet the evolving needs of the construction industry through specialised engineering expertise. From the outset, we recognised that clients required more than individual components; they needed integrated, end-to-end solutions spanning design, engineering, and application. To address this, we developed tailored formwork systems that supported the accelerated timelines of post-tensioning construction, enabling clients to achieve their objectives with efficiency and precision.

Who We Are

Our Mission

- To be the best in our field of engineering and the most valued project partner

Our Vision

- To provide quality and good value engineering services
- To develop and groom our staff to their highest potential
- To grow our business with the highest level of professionalism, integrity and honesty

Core Values

- Teamwork
- Innovation



Company Overview

Founded in 1998 and headquartered in Singapore, UTRACON is an engineering and construction specialist with more than 1,000 employees across the region. With a permanent presence in 11 countries across Southeast Asia, South Asia, and the Middle East, we deliver world-class infrastructure solutions underpinned by local expertise.

Our long-standing affiliation with Germany's **DYWIDAG** strengthens our capabilities in post-tensioning technology and reinforces our leadership in specialist works for buildings and civil engineering structures. Utracon has earned a strong reputation for innovation, reliability, and engineering excellence across diverse markets.

Our Journey

Since its founding in 1998, Utracon has grown from a locally registered company competing in the demanding post-tensioning sector against established European specialists into one of the largest specialist contractors in Southeast Asia and South Asia.

Through continuous in-house R&D, innovation, and an unwavering commitment to quality, we have delivered reliable post-tensioning solutions while steadily expanding into broader structural systems. Decades of determination and improvement have firmly positioned Utracon as a leading provider of specialised construction solutions for concrete structures.

Today, we are strategically recognised for our expertise in prestressing, precasting, launching, forming, and retrofitting, offering comprehensive design and construction services for both permanent structures and temporary works.



➤ Incorporated Utracon Structural Systems Pte Ltd in Singapore



>1998



>2001

➤ Incorporated Utracon Structural Systems Sdn Bhd in Malaysia

➤ Moved to own office building at Pioneer Sector 1, Singapore



>2002



>2003

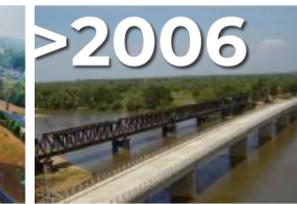
➤ Completed first bridge project, the Airport Road Viaduct in Singapore



>2004

➤ Completed first tank project, the Tampines Newwater Tank in Singapore

➤ Completed first JICA project, the Manampitiya Peace Bridge in Sri Lanka



>2006



>2007

➤ Incorporated Utracon Overseas Pte Ltd in Singapore

➤ Expansion of Utracon Overseas to Vietnam, Sri Lanka, Myanmar, Indonesia, Cambodia, Philippines, China, India and UAE



>2008



>2014

➤ Completed first EPC Project, the Bac Hung Hai Bridge in Vietnam

➤ Relocated to new headquarters at Joo Koon Way, Singapore



>2015



>2016

➤ Established the Utracon Precast Yard in Johor Bahru, Malaysia



>2017

➤ Involved in more than 25% of high rise building projects in CBD of Singapore

➤ Completed first stay cable bridge, the Jinja Bridge in Uganda



>2018



>2020

➤ Completed the largest post-tensioned warehouse, the Logos Metrolink Warehouse in Indonesia

➤ Achieved 3rd position in E50 Awards, the Singapore's most prestigious business award



>2021



>2023

➤ Silver Anniversary of the Utracon Group

➤ Opening of Utracon Distribution Centre in Hanoi, Vietnam



>2025

Capabilities

Prestressing is at the heart of our specialist construction solutions, enabling us to deliver structurally efficient, durable, and cost-effective designs. With decades of experience in both post-tensioning and pre-tensioning systems, Utracon has strengthened buildings, tanks, bridges, and numerous civil engineering structures across the region.

Our in-house R&D team has developed the Utracon Prestressing System (UPS) anchorage system for slabs, which has successfully passed all tests in accordance with European Technical Approval (ETA) guidelines. In addition, our collaboration with DYWIDAG allows us to provide post-tensioning systems with enhanced corrosion resistance, particularly suited for bridges, tanks, and other demanding applications. We have also devised innovative solutions to effectively implement post-tensioning in buildings located in seismic-prone regions, ensuring resilience and long-term safety.

Beyond conventional applications, Utracon is experienced in cryogenic post-tensioning systems for LNG tanks, stay cable systems for bridges, and ground anchoring systems, demonstrating the breadth of our expertise in prestressing technology.

PRESTRESSING



Epoxy Coated Strands



Transfer Plate Tendons



Ground Anchoring



Stay Cable Systems

Coupling and Stressing of Multi-strands Anchorage Tendons

Capabilities

Precasting forms a cornerstone of our specialised construction solutions, enabling the delivery of structurally sound, high-performance, and cost-efficient elements across diverse applications. From design and modelling to facility set-up and production management, we have built a strong track record in precast construction for both buildings and bridges.

At our 9-hectare precast yard in Johor Bahru, Malaysia, we operate with a daily production capacity of up to 200 m³ of precast concrete, meeting the demands of large-scale regional projects. Strategically located, the yard ensures efficient delivery to both Malaysia and Singapore, supporting timely execution while reducing logistical challenges.

In addition to permanent facilities, we have the expertise to design and establish temporary on-site precast yards for bridge segments and girders, tailored to the specific needs of each project. Complementing our production capability, our engineering services add further value through segmentation design, geometry control, precamber analysis, and detailed shop drawings, ensuring precision and efficiency at every stage.

PRECASTING



Segmental Precast Girders

Precast Building Construction



Utracon's Precasting Facilities in Malaysia

Segmental Precasting of Box Girders

Capabilities

Building bridges is a complex endeavour that demands specialised expertise, advanced equipment, and skilled workmen. With decades of experience and proven engineering proficiency, we deliver a comprehensive range of bridge launching solutions tailored to the unique requirements of each project. Our team works closely with clients to determine the optimal approach, taking into account span length, bridge geometry, site constraints, construction timelines, and cost efficiency.

We specialise in the design and fabrication of a wide range of launching machinery, including gantries, lifters, form travellers, and transporters. Our track record spans diverse methodologies, such as span-by-span, balanced cantilever, incremental launching, segmental launching, and full-span launching, demonstrating our ability to adapt and deliver across a wide spectrum of project demands. Every operation is supported by detailed kinematic drawings and load movement analyses to ensure safety, precision, and productivity.

From method selection and equipment mobilisation to full execution, we provide end-to-end services that uphold the highest standards of safety, quality, and efficiency. With customised launching solutions engineered for each project, no span is too long to cross and no load too heavy to lift.

LAUNCHING



Travelling Lifter

Incremental Launching Devices

Segment Lifter



Span-by-span Launching

Balanced Cantilever Launching

Capabilities

The growing demand for concrete structures with distinctive shapes and dimensions calls for advanced and adaptable formwork systems. With expertise across a wide spectrum of applications, we deliver flexible, efficient, and safe forming solutions tailored to projects of every scale. Depending on specific requirements, our systems are available in steel, timber, or aluminium, striking the optimal balance of strength, economy, and performance.

Our solutions are engineered to minimise material usage, optimise accuracy, maximise reusability, and accelerate construction cycles. For vertical construction, our Auto-Climbing Formwork Systems (ACS) provide self-climbing capability with flexible shaping adjustments. For horizontal applications, our travelling formwork systems enable cantilever and precamber forming. Both systems are designed to ensure smooth progress in complex environments while upholding the highest levels of operational safety.

From design and supply to installation, we provide end-to-end solutions that meet the industry's most stringent standards of quality, safety, and performance. By integrating Formwork Information Modelling (FIM) with advanced 3D visualisation, we enhance constructability, precision, and efficiency. This integrated approach ensures seamless execution and reliable outcomes at every stage of construction.

FORMING



Circular Form



Steel Formwork and Falsework



Wall Form



Form Traveller Systems

Auto Climbing System Formwork (ACS)

Capabilities

Our retrofitting services encompass a comprehensive range of techniques aimed at enhancing the performance, durability, and longevity of concrete structures. These include external prestressing to upgrade load-bearing capacity, structural jacketing to strengthen and protect concrete members, and the replacement of deteriorated elements, such as bearings and external tendons, to preserve integrity and extend the service life of critical infrastructure.

We also provide specialised solutions using Fibre Reinforced Polymer (FRP) materials. FRP offers clear advantages over traditional materials: it is lightweight yet exceptionally strong, corrosion-resistant, easy to install with minimal disruption, and highly adaptable to complex geometries. These attributes make FRP an ideal solution for strengthening existing structures and ensuring reliable long-term performance under demanding conditions.

In addition, we offer retrofitting solutions for buildings through Addition & Alteration (A&A) works, enabling improved structural performance, increased load-bearing capacity, and compliance with evolving regulatory standards. From upgrading seismic resilience to accommodating increased floor loadings, our team delivers customised solutions to meet the unique requirements of each project, ensuring safety, efficiency, and sustainability.

RETROFITTING



FRP Strengthening



External Tendon Replacement



Structural Jacketing



Bearing Replacement



External Prestressing

Underpinning and Load Transfer

Prominent projects

Bridges



Telanaï Flyover, Brunei



Hinheup Bridge*, Laos



Marina Bayfront Bridge, Singapore



Central Expressway, Sri Lanka



Jurong East MRT Viaduct, Singapore



Bac Hung Hai Bridge, Vietnam



Dhaka MRT Line 6*, Bangladesh



Airport Road, Singapore



MRT Jurong Region Line, Singapore



Hanoi Metro Line 2A, Vietnam



Lach Huyen Bridge*, Vietnam



Jakarta Elevated Highway, Indonesia



Gumti Second Bridge*, Bangladesh



BIA Airport*, Sri Lanka



North South Corridor, Singapore



Sambas Bridge, Indonesia



National Road No.5*, Cambodia



Jakarta Elevated Busway, Indonesia



Al Nahda Link Road, UAE



Cyaing Kawkareik Bridge*, Myanmar



Bago Bridge*, Myanmar



Manampitiya Bridge*, Sri Lanka



Dungun Bridge, Malaysia



Musi Bridge, Indonesia



MEX Highway Bukit Jalil Interchange, Malaysia



Dala Bridge, Myanmar



Kallady Bridge*, Sri Lanka



Outer Circular Highway*, Sri Lanka



East-West Highway, Algeria



Jinja Bridge*, Uganda

* JICA Funded Projects

Prominent projects

Buildings



NTUC Centre & One Raffles Quay, Singapore



The DUO, Singapore



Altair Residences & Colombo City Centre, Sri Lanka



AEON Mall Binh Tan, Vietnam



DB Schenker Warehouse, Singapore



Park Royal Hotel, Singapore



ITE Ang Mo Kio, Singapore



NBC HQ, Cambodia



SSA Factory, Indonesia



Sule Square, Myanmar



Foreign Trade Bank, Cambodia



General Department of Taxation, Cambodia



Galleon Residences, Philippines



Ramatex Factory, Vietnam



Rihan Heights, UAE



Tokio Marine Centre, Singapore



The Sun Tower, Vietnam



Saigon Centre, Vietnam



Tsubaki Tower, USA Guam



Ryobi Distribution Service Centre, Vietnam



IKN National Mosque, Indonesia



Tee Hai Warehouse, Singapore



Pavilion Damansara, Malaysia



Golden Crown, Vietnam



Logos Metrolink Warehouse, Indonesia



Abu Dhabi Commercial Bank, UAE



AEON Mall Mean Chey, Cambodia



Havelock City, Sri Lanka



Vincom Mega Mall, Vietnam

Prominent projects

Tanks & Other Structures



Ethylene Storage Tank, Singapore



Tampines Newater Tank, Singapore



Jurong Sewage Treatment Plant, Singapore



Thi Vai LNG Tank, Vietnam



ETP Clarifier Tank, Indonesia



Cross Island Line, Singapore



Bkt Panjang LRT, Singapore



Ba Son Bridge, Vietnam



Rach Mieu Second Bridge, Vietnam



My Thuan Second Bridge, Vietnam



Atran Bridge, Myanmar



Sky Habitat, Singapore



Jinja Bridge, Uganda



Jinja Bridge, Uganda



Keppel Bay Bridge, Singapore



Yishun School, Singapore



Big Box, Singapore



Tower at Church Street, Singapore



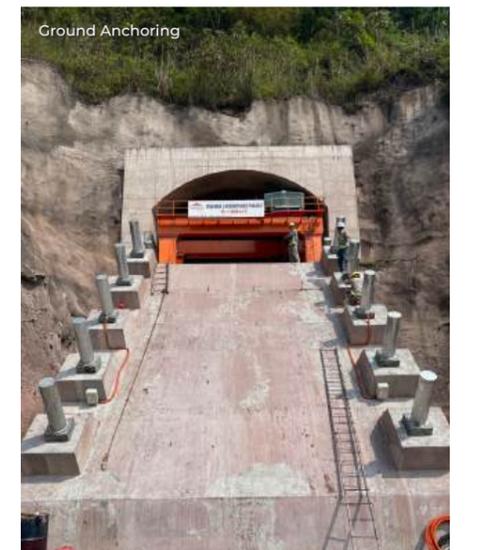
Sengkang LRT, Singapore



Jakarta International Stadium, Indonesia



Seletar Airport Hangar, Singapore



Xekaman 3 Hydropower Plant, Laos

Quality and Safety Excellence

At Utracon, quality assurance is more than a process; it is our promise to every client. Through rigorous in-house testing and stringent quality control measures, we ensure that every project consistently meets the highest industry standards. Our prestressing equipment undergoes comprehensive testing and continuous calibration, while our systems are validated through internationally recognised performance tests. All bridge launching equipment is fully mocked up and verified with full-load tests prior to dispatch, guaranteeing reliability from factory to site.

Safety remains our top priority. We safeguard the well-being of our workforce, clients, partners, and the public through uncompromising safety practices. Every workman is equipped with full safety gear and committed to adhering to best-in-class safety protocols. Our dedication has been recognised with multiple industry awards for safety performance and contractor excellence.



Strand Pull-out Test



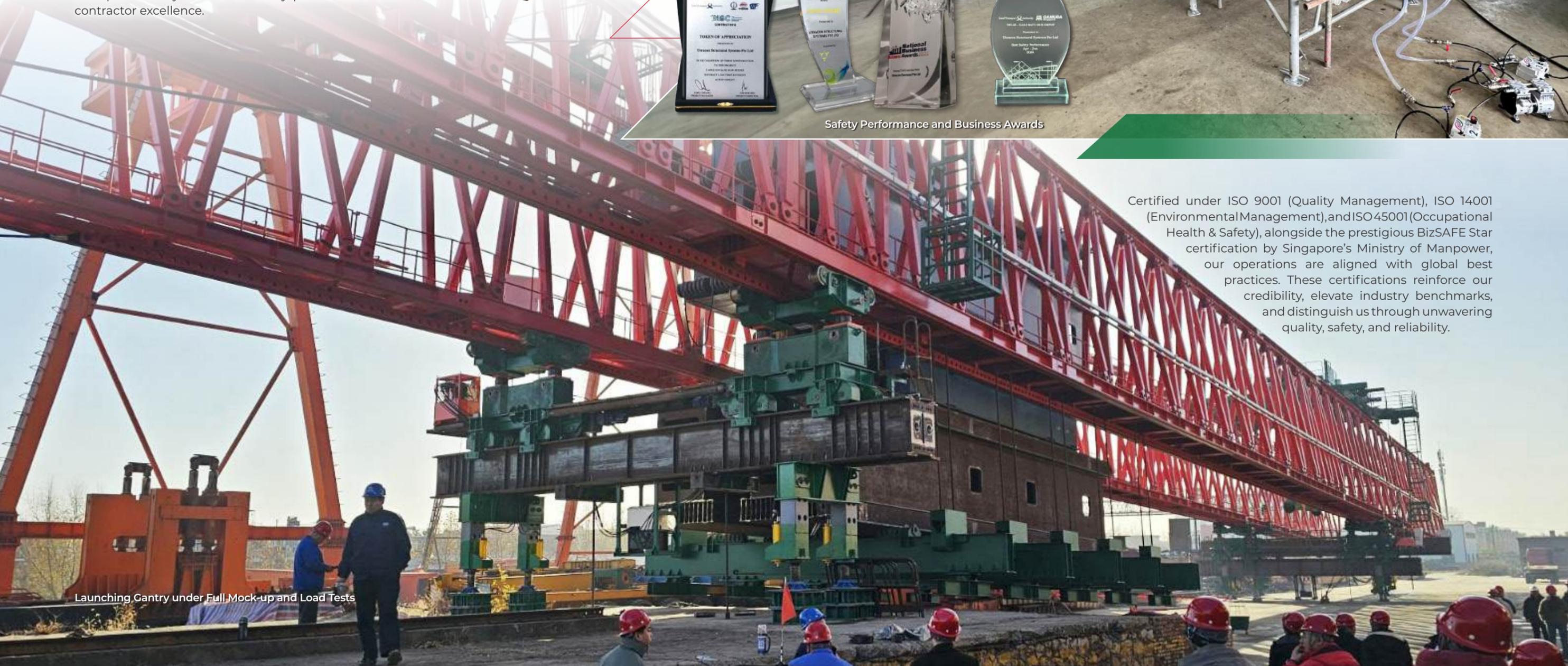
Workforce Safety in Action



Full Scale Grout Leak Test



Safety Performance and Business Awards



Launching Gantry under Full Mock-up and Load Tests

Certified under ISO 9001 (Quality Management), ISO 14001 (Environmental Management), and ISO 45001 (Occupational Health & Safety), alongside the prestigious BizSAFE Star certification by Singapore's Ministry of Manpower, our operations are aligned with global best practices. These certifications reinforce our credibility, elevate industry benchmarks, and distinguish us through unwavering quality, safety, and reliability.

R&D and Innovation

Innovation is the driving force behind Utracon's growth and success. Through continuous investment in research and development, and by combining engineering expertise with forward-thinking design, we create solutions that address industry challenges, enhance efficiency, and deliver lasting value to our clients. Our innovations embody sustainability, optimise cost-effectiveness, and streamline project delivery, reinforcing Utracon's position as a leader in specialised construction solutions.

Our R&D initiatives have led to the development of the UPS-SA Series, a proprietary post-tensioning system designed for a wide range of building floor applications. This breakthrough solution reduces material consumption, improves performance, and enhances structural efficiency, setting a new benchmark in post-tensioning technology. Complementing this, our electrically powered Skate Beam System provides a revolutionary alternative to conventional gantry cranes in precast yards. Compact and versatile, the system redefines material handling, driving greater value and efficiency in precast operations.

Digitisation and Digitalisation

Utracon embraces the future of construction through digitisation and digitalisation, transforming traditional practices into smarter, data-driven solutions. By embedding digital innovation across our processes and equipment, we raise construction standards while delivering smarter, safer, faster and more sustainable solutions to the industry.

BIM & BrIM

We make extensive use of Building Information Modelling (BIM) and Bridge Information Modelling (BrIM) in our design and construction works. These advanced platforms integrate accurate 3D models with engineering data, enabling seamless collaboration, improved efficiency, and cost-effectiveness throughout the project lifecycle.

Digital Control Systems

Our transition from analogue to digital control systems integrates sensors and electronic components to deliver higher precision, efficiency, and synchronisation. This digital advancement minimises human error, enhances operational accuracy, and optimises productivity, particularly vital in incremental launching technology, where reliability is paramount.

Utracon Smart Jack

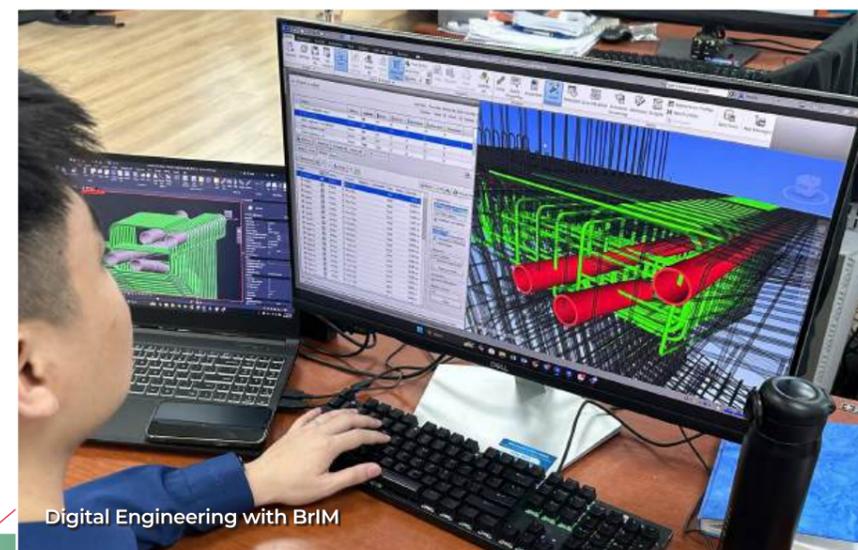
Harnessing the power of IoT and cloud technology, the Utracon Smart Jack digitises elongation and pressure measurements during stressing. Delivering real-time data with exceptional accuracy, it minimises manual errors, streamlines post-tensioning operations, and ensures consistent, high-quality project outcomes.



Computer-controlled Incremental Launching System



Utracon Smart Jack System



Digital Engineering with BrIM



Skate Beam for Synchronised Shifting

Environmental, Social and Governance (ESG)

At Utracon, we are deeply committed to advancing sustainability and responsible business practices. Our ESG approach is anchored on three pillars: environmental stewardship, social responsibility, and strong governance, ensuring long-term value for our stakeholders and the communities we serve.

Environmental Responsibility

We actively reduce our carbon footprint by minimising waste, optimising material consumption, and embracing eco-friendly practices. Through continuous efforts in resource conservation and sustainable operations, we contribute to a greener future. Utracon is also embarking on a journey to harness renewable energy through solar power, further strengthening our pledge to cut carbon emissions across every stage of our business processes.

Social Responsibility

In today's socially conscious world, we recognise that true success extends beyond commercial achievements. Our employees are passionate about giving back, and we actively support community initiatives in social services, and environmental protection. From volunteer programmes to charitable partnerships, Utracon's corporate social responsibility (CSR) efforts are focused on creating meaningful and lasting impact.



Bonding Beyond Work



Bringing Joy to Seniors at Elderly Home



Community Recycling Project



Harnessing Clean Renewable Energy

People and Culture

Organisational knowledge and continuous learning are integral to our corporate culture. We empower our workforce through structured training, upskilling programmes, and in-house technical seminars that bring together engineers from different regions to share expertise and explore emerging technologies. Beyond professional growth, we foster a workplace that values work-life balance, teamwork, and holistic well-being. Recreational activities, wellness programmes, and a supportive family-like culture keep our people motivated, engaged, and united.



Stronger Together, United as One Utracon Family