“Leading the Industry, Setting New Standards and Growing with our Clients”

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ABOUT STECS

Established in 1996, Shanghai Tunnel Engineering Singapore ("ST ECS") is a leading civil engineering and construction firm in Singapore. Our first project in Singapore was as a subcontractor in LTA North-East Line project. We have since grown to become one of the top civil main contractors in Singapore.

Over the years, we have been trusted by our clients to construct many of the major civil projects in Singapore. Today, we have successfully undertaken and completed projects for Land Transport Authority ("LTA"), Public Utilities Board ("PUB") and Marina Bay Sands ("MBS"). Our involvement in all the major MRT lines, from North East Line to the current Thomson East Coast Line, is a testament to our client’s confidence in our technical capabilities and competencies in handling large infrastructure project.

Other than our successful track records, we are a company with strong Workplace Safety, Health & Environment (WSHE) culture. Our many WSHE initiatives & continual improvements form the cornerstone of positive WSHE culture and a foundation of WSHE Success.

Having contributed to Singapore’s future, we look forward to our goal in Building a Beautiful City and Creating an Ideal Life for the whole of South East Asia.
1996  • Established company in Singapore.

1998  • Awarded the Sub-Contract for LTA North-East Line C703 projects.
  • Awarded the Sub-Contract for LTA North-East Line C704, C708, and C810.

2000  • Awarded the Joint Venture Main Contract for PUB DTSS (Deep Tunnel Sewerage System) T-01 project. Our first project as a Main Contractor in Singapore.

2001  • Awarded the Joint Venture Main Contract for LTA Circle-Line Stage 1 C825 Design, Construction and Completion of Stations at Millenia, Convention Centre, Museum and Dhoby Ghaut including Tunnels. Our first LTA project as a Main Contractor in Singapore.

2002  • Awarded the Sub-Contract for LTA Circle-Line Stage 2 C822 project.

2003  • Awarded the Joint Venture Main Contract for LTA Circle-Line Stage 3 C852 Construction and Completion of Serangoon interchange Station including Tunnel.

2004  • Awarded the Joint Venture Main Contract for LTA Circle-Line Stage 4 & 5 C855 Construction and Completion of Holland, Buona Vista and NUH Stations including One-North Station fit-out works and Tunnels.

2008  • Awarded the Main Contract for Marina Bay Sands Integrated Resort Construction Contract for Bayfront Infrastructure WP8402 project. Our first project as an independent Main Contractor.
  • Awarded the Main Contract for Downtown Line Stage 1 C902 Construction and Completion of Promenade Station including Associated Tunnels.

2009  • Awarded the Main Contract for LTA Downtown Line Stage 2 C920 Design and Construction of Station and Tunnels at Newton.

2011  • Awarded the Main Contract for LTA Downtown Line Stage 3 C923A Construction and Completion of Tunnels between Tampines East Station and Upper Changi Station.
  • Awarded the Main Contract for LTA C713 Construction of Proposed Extension of NEL Cut and cover tunnel and Additions & Alterations on Existing NEL Siding Tunnel.
  • Awarded the Main Contract for LTA Tuas West Extension C1688 Construction of Station EW30 and Viaducts.

2013  • Awarded the Main Contract for LTA Thomson Line T306 Construction of Tunnels between Woodlands Station and Woodlands Avenue '12 including Crossover Tunnels and Reception Tunnels to Mandai Depot.

2014  • Awarded the Main Contract for LTA Thomson Line T225 Construction of Shenton Way Station & Tunnels.

2016  • Awarded the Main Contract for LTA Thomson East Coast Line T305 Construction of Katong Park Station and Tunnels.
  • Awarded the Main Contract for LTA Thomson East Coast Line T310 Construction of Bayshore Station and Tunnels.

2017  • Awarded the Main Contract for PUB DTSS2 (Deep Tunnel Sewerage System Phase 2) T-11 project.
MAJOR PROJECTS

1. DEEP TUNNEL SEWERAGE SYSTEM T-01
Client: Public Utilities Board, Singapore  Contract Period: Jan 2000 – Jan 2005  Tunnel: 6m Diameter with a total length of 5.8km
Project: The Deep Tunnel Sewerage System Phase 1 T-01 project is the first design and build project for which STECS undertook in the name of a joint venture with Woh Hup. This project features the use of New Austrian tunneling method and tunnel boring method. A 7.2m diameter EPB machine was used to construct the bored tunnels. The contract value is S$80.6 million.

2. CIRCLE LINE STAGE 1 C825
Client: Land Transport Authority of Singapore  Contract Period: Aug 2001 – Mar 2008  Station: Underground Promenade Station, Esplanade Station, Bras Basah Station and Dhoby Ghaut Station  Tunnel: 5.8m Diameter with a total length of 3.2km
Project: The Circle Line Stage 1 C825 project is a design and build project which STECS undertook in the name of a joint venture with Woh Hup and NCC. This project includes construction of Promenade, Esplanade, Bras Basah and Dhoby Ghaut Station, 3.2km TBM Tunnels, 0.6km C&C tunnel and 110m overrun tunnel using SCL method. Two 6.35m diameter mix face EPB machines were used to construct the bored tunnels. The project is situated in the heart of urban Singapore close to old buildings such as Raffles Hotel, Chijmes, the Singapore Arts Museum (SAM), office and shopping buildings along the Raffles Boulevard as well as existing MRT station and tunnels. The contract value is S$443.94 million.

3. CIRCLE LINE STAGE 3 C852
Client: Land Transport Authority of Singapore  Contract Period: Aug 2003 – Aug 2008  Station: Underground Serangoon Interchange Station  Tunnel: 5.8m Diameter with a total length of 3.8km
Project: The Circle Line Stage 3 C852 project is a build only project which STECS undertook in the name of a joint venture with Woh Hup and Alpine Mayrader. This project includes construction of Serangoon Interchange station, the interconnecting tunnels from Wobang station to Lennong Chuan station, and from Serangoon station to Bartley station. Two 6.35m diameter EPB machines were used to construct the bored tunnels. The contract value is S$155.95 million.

4. CIRCLE LINE STAGE 4 C855
Client: Land Transport Authority of Singapore  Contract Period: Aug 2004 – Dec 2009  Station: Underground Holland Village Station, Buona Vista Station, Kent Ridge Station and One North Station  Tunnel: 5.8m Diameter with a total length of 8.25km
Project: The Circle Line Stage 1 C825 project is a design and build project which STECS undertook in the name of a joint venture with Woh Hup and Alpine Mayrader. This project includes construction of Holland Village Station, Buona Vista, Kent Ridge and One North Station. 8.25km TBM tunnels and 0.35km C&C tunnel. Two 6.35m diameter EPB machines and two 6.35m diameter slurry machines were used to construct the bored tunnels. The contract value is S$399.91 million.
1. MARINA BAY SANDS INTEGRATED RESORT DEVELOPMENT P8402
Project: The Marina Bay Sands Integrated Resort Development P8402 Project comprises of the construction of basement retail concourse, car park and two-directional, two-line MRT section tunnels underneath. The contract value is $3$167.9 million.

2. DOWNTOWN LINE STAGE 1 C902
Station: Underground Promenade Station  Tunnel: 5.8m Diameter with a total length of 112km
Project: The Downtown Line Stage 1 C902 project is a design and build project that include the extension of construction of existing Promenade Station and 112km interconnection tunnels. One 6.35m diameter EPB machine was used to construct the bored tunnels. It is worth mentioning that this project won the first place in the Safety Competition for Downtown Line Projects held by the Land Transport Authority (LTA).
The contract value is $3$230.97 million.

3. PROPOSED EXTENSION OF NEL C713
Tunnel: 48m Cut & Cover Tunnel
Project: The North-East Line Extension C713 project include a 48m C&C tunnel, two-tier box tunnel with the existing parking tunnel open up the connection. The works include traffic turn pouring, the design and construction of temporary retaining structures, soil excavation and support, tunnels and the main structure, and to connect existing water pumps, pipe, fire hose, emergency contact system to the new tunnels and other auxiliary work. The contract value is $3$816 million.

4. DOWNTOWN LINE STAGE 2 C920
Station: Underground Newtown Station
Tunnel: 5.8m Diameter with a total length of 5.52km
Project: The Downtown Line Stage 2 C920 project is a design and build project that include the construction of Newtown Station, four tunnels that connect Newtown Station to Little India Station and Stevens Station with a total length of 5.52km and a Cable Tunnel using pipe jacking method. Four 6.35m diameter EPB machines were used to construct the bored tunnels. The contract value is $3$355.7 million.
1. DOWNTOWN LINE STAGE 3 C923A
Tunnel: 5.8m Diameter with a total length of 4.76km
Project: The Downtown Line Stage 3 C923A project includes the construction of tunnels between Tampines East and Upper Changi Stations with a total length of 4.76km, a TBM launching shaft and eight cross passages. Two 6.35m diameter EPB machines were used to construct the bored tunnels. The contract value is $891.13 million.

2. TUAS WEST EXTENSION LINE C1888
Station: Elevated Gul Circle Interchange Station
Project: The Tuas West Extension project C1888 includes the construction of one elevated 3-storey interchange station Gul Circle and 3.05km of elevated MRT viaduct. In addition, a further 600m of elevated viaduct for the Tuas South Extension (TSE) were constructed. It is STEC’s first viaduct project in Singapore. The contract value is $3190.0 million.

3. THOMSON LINE T206
Client: Land Transport Authority of Singapore  Contract Period: Jul 2013 – Sep 2019
Tunnel: 5.8m Diameter with a total length of 6.15km
Project: The Thomson Line T206 project includes the design and construction of mainline bored tunnels between Woodlands Station & Woodlands South Station and between Woodlands South Station and Sembawang Airbase. It also includes reception bored tunnels between Mandal Depot and crossover tunnels at Sembawang Airbase, associated four launching shafts, two escape shafts and four cross passages. Three 6.35m diameter EPB machines and two 6.35m diameter slurry TBMs will be used to construct the bored tunnels. The contract value is $421.58 million.
1. THOMSON LINE T225
Client: Land Transport Authority of Singapore  Contract Period: May 2014 - Dec 2020
Station: Underground Shenton Way Station
Tunnel: 5.8m Diameter with a total length of 2.28km
Project: The Thomson Line T225 project includes the construction of 5-storey underground Shenton Way Station, bored tunnels between Shenton Way Station and Maxwell Station and between Shenton Way Station and Marina Bay Station. The station also has three entrances and new passageway links connecting to adjacent buildings. Two 6.35m diameter EPB machines will be used to construct the bored tunnels. The contract value is $339.80 million.

2. THOMSON-EAST COAST LINE T305
Client: Land Transport Authority of Singapore  Contract Period: Jan 2016 - Feb 2023
Station: Underground Katong Park Station  Tunnel: 5.8m Diameter with a total length of 3.8km
Project: The Thomson-East Coast Line T305 project includes the construction of underground Katong Park Station with two entrances, bored tunnels between Katong Park and Tanjong Pagar Station and between Katong Park and Amber Station and two cross passages. Two 6.35m diameter EPB machines will be used to construct the bored tunnels. The contract value is $329.45 million.

3. THOMSON-EAST COAST LINE T310
Client: Land Transport Authority of Singapore  Contract Period: Mar 2016 - Feb 2023
Station: Underground Bayshore Station  Tunnel: 5.8m Diameter with a total length of 3.55km
Project: The Thomson-East Coast Line T310 project is undertaken by STECS in the name of joint venture with Woh Hup. The project includes the construction of underground Bayshore Station with five entrances, bored tunnels between Bayshore Station and Siglap Station and between Bayshore Station and Bedok South Station, one escape shaft and one cross passage. Three 6.35m diameter EPB machines will be used to construct the bored tunnels. The contract value is $326.86 million.

4. DEEP TUNNEL SEWERAGE SYSTEM PHASE 2 T-11
Client: Public Utilities Board, Singapore  Contract Period: Dec 2017 - Mar 2024  Tunnel: 3.0m & 3.2m Diameter with a total length of 11.5km
Project: The Deep Tunnel Sewerage System Phase 2 T-11 includes the design and construction of a 5km South Main Sewerage Tunnel, a 5.5km South Linkway Sewerage Tunnel, fifteen working shafts and related facilities. Two 3.0m diameter slurry TBMs and three 3.3m diameter slurry TBMs. The contract value is $472.17 million.
QUALITY MANAGEMENT

STEC SINGAPORE

STEC S is dedicated to deliver projects in a high quality standard. This means inculcating a strong quality culture in our organization and continuously looking into enhancing its features and characteristics of our services to increase the efficiency and effectiveness during the production and delivery of each of project.

COMMITMENT

STEC S's commitment is to never compromise on the quality and compliance quality of our products and services. This requires everybody to be engaged, to understand their responsibility in achieving our quality objectives and to be empowered to take action in order to protect our clients and our brand. We have adopted an Integrated Quality Management approach involving the client, sub-contractors and suppliers, coupled with an efficient in-house Quality Assessment System that has led to greater efficiency during construction.

Our construction teams are trained to understand and apply the requirements to ensure consistent delivery of high standard of workmanship. Quality is an integral part of our business principles. These principles guide our actions to deliver our services in a high quality standard to our clients. They are essential for the achievement of our ambition to be recognized and trusted as the leading construction company.

CONTINUOUS IMPROVEMENT

STEC S has implemented an on-going continuous quality improvement program to improve our services and products by identifying problems, implementing and monitoring corrective action and studying its effectiveness. We use a structured process to find areas in the project delivery system that need improvement, and that when such areas are found, we develop and implement strategies for improvement.

We are committed evaluation and improvement of the processes we use to provide quality services and products that meets the needs and exceeds the expectations of our clients.

QUALITY MANAGEMENT CERTIFICATIONS

The company is registered with the SGS International Certification Services Singapore Pte Ltd in the Underground Construction, General Building Works and Tendering of Civil Engineering. In 2010, STECS was awarded the ISO 9001:2008 by the SGS International Certification Services Singapore Pte Ltd.

The company has awarded Green & Gracious "STAR" category by Building Construction Authority in Singapore in year 2013.
SAFETY MANAGEMENT

CREATING A STRONG CULTURE OF WORKPLACE SAFETY AND HEALTH (WSH)

At STEC’s, our goal for safety is as clear and simple as our workplace safety slogan’s name: Zero Accident and Zero Harm for Everyone. We strongly believe that safety is vital in everything we do and we aim to achieve that by integrating our workplace safety and health management into our planning, design and construction process. We aim to eliminate all workplace injuries and ensuring an environment where all employees go home in the same shape as when they came to work. STEC is committed in achieving this goal through firm and effective implementation of safety management rules and policy.

PROMOTING WSH AWARENESS

To make accident-free workplace, promoting of WSH awareness for individual is paramount important. Our managing director together with WSHE Committee conduct monthly inspection and meeting for all projects. In addition, we hold an annual Corporate WSHE Campaign to create awareness and recognize the individual safety efforts and performance. We fully support MOM’s “VISION ZERO” and LTA’s “ZERO ACCIDENT MOVEMENT”, which are possible with strong commitment of the company’s top management and active participation of supervisory staffs and workers.

TOTAL WORKPLACE SAFETY AND HEALTH

Total Workplace Safety and Health (Total WSH) is an integrated approach to managing safety, health and wellbeing in the workplace. This approach views a safe and healthy workplace as one that has workers and managers collaborating in a continual improvement process to protect and promote the health, safety, and wellbeing of all workers and the sustainability of the workplace. In this approach, risk assessment processes take individual risk factors into consideration. Integrating programmes that control risks in the workplace together with the promotion of health can create synergies that result in improved productivity, performance, reduction in sickness absence, employee retention, financial performance, return on investment and quality of life.

SAFETY MANAGEMENT SYSTEM

We employ safety officers in all our projects and are led by a corporate safety manager who directly reports to the managing director. The safety professionals are a core team in our organization who is responsible for the effective implementation of Project Safety, Health and Environmental Management System.

SAFETY AWARDS

We are a leader in WSH and is proud that our efforts have been recognized in the industry. We are committed to strengthen our WSH efforts and cultivate the right safety attitudes among our employees, workers and subcontractors.

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<th>YEAR</th>
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STECS AND COMMUNITY

STECS is committed to being a positive contributor to the community. Our activities are focused on benefitting the places where we live and work, increasing knowledge in areas ranging from the arts to the geosciences, and creating a sustainable environment. Our employees actively participate at our outreach events, improving everything from green spaces to public education and more. We devote and always believe that public charity will build an impact and stronger society.

COMMUNITY

Our outreach activities contribute to building safe, healthy and strong communities. From our work at Metta Welfare Association for the Intellectually Disabled, we are committed to the local communities where we work and live. Our employees, along with their families and friends, volunteer their time and enthusiasm to help us make a difference.

KNOWLEDGE

Our support of educational initiatives is part of a corporate commitment to programs that enhance understanding of science, the arts, literature and more. Whether it’s developing the talents of our youth or creating a bridge for cross-cultural learning, we work with organizations whose efforts pique curiosity and can bring about new thoughts and points of view.

ENVIRONMENT

We team with non-profits dedicated to a range of environmental initiatives. Our sponsorships and employee volunteer efforts support conservation, rehabilitation and more. In the spirit of innovation, STECS also partners with organizations that leverage new technologies to improve the way we care for the environment.