

ECAS Consultants provides Civil, Structural, Mechanical, Environmental and Geotechnical Engineering Services to clients of the public and private sector in Singapore. Drawing on our 20 years of expertise and experience, ECAS provides Design Consultancy, Construction Supervision, Assessment and Inspection, Project Management and Accredited Checking Services concentrating in areas of real estate, infrastructure, institutional, industrial, transportation, and utilities.



## PEOPLE

With a team of more than 120 dedicated professional, technical, and support personnel, we rely on their work to deliver innovative solutions, develop strong client relationships, and be leaders in the development of our region.

**Managing Director:** Chan Ewe Jin

**Director:** Leong Boon Cheng

**Director:** Ng Shu Wei, Sharron

**Director:** Tay Thiam Yeow, Titus

**Director:** Cecil Chua

**Director:** Shen Wei Yue

**Associate Director:** Yu Yong Hua

**Associate Director:** Hu Yang Fu



## SERVICES

### Design Consulting

We conduct economic and technical feasibility studies to understand the impact of the project and propose the best solution to the client. We look at the project not as an independent property but as a small piece in a bigger puzzle. We have vast experience in planning and designing of roads, road tunnels, viaducts, MRT Tunnels and MRT stations and all types of buildings.

### Construction Supervision

Our professionals offer on-site supervision of the complete project to comply with industry standards. We make sure that what was designed is developed keeping in mind cost-effective solutions to benefit the client. We have vast experience in managing and constructing road tunnels (open cut or mined tunnel), viaducts, MRT stations and MRT tunnels and all types of buildings. We have the capability of supervising precise surveys and control alignments. We, through our construction supervision experience, have good architectural knowledge and relevant experiences in procurements, programming, site coordination and installation of architectural works.

### Project Management

We offer project management consulting services to a wide range of engineering and construction activities. On behalf of our client, we ensure that critical tasks and goals are met accordingly.

### Accredited Checking

We independently check the designs of the works to assure the constructibility of the project and ensure that all structures are compliant with the standards of our region.

### Design for Safety (DfS)

We assist our clients to address and identify means to mitigate the risks inherent in the design of a construction project so as to reduce the safety and health risks during the construction, maintenance or repair phase, and demolition of the building and structure.

### Building Information Modelling (BIM)

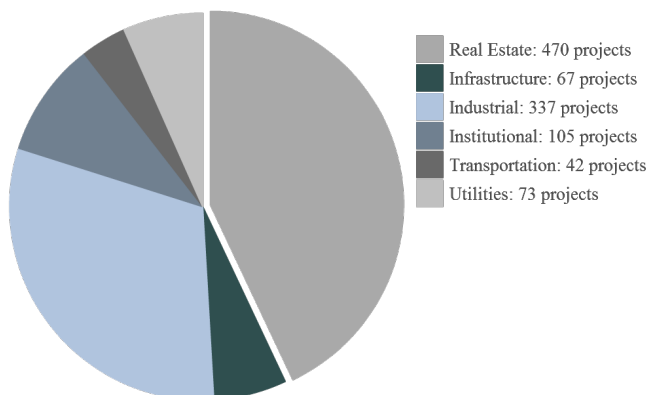
We offer pre-construction solutions for the creation and management of intelligent models leading to the design, construction and operation of various facilities.

### Steel and Rebar

We develop shop drawings and erection drawings for steel pieces for fabricators and contractors.



## EXPERTISE



# KEY PROJECTS



## REAL ESTATE



### Seacare Hotel

Addition of 16-storey hotel block to existing 9-storey office at 52 Chin Swee Road

### Greenwich V

Commercial and residential development situated near Fernvale LRT at Seletar Road

### Jurong East Court

Public Housing Development comprising of two 16-storey and two 12-storey residential blocks

### Trevista

3 blocks of 30-storey residential buildings with 2 basement carparks, electric substation, swimming pools, and communal facilities



## INSTITUTIONAL



### Experimental Medicine Building, Lee Kong Chian School of Medicine at Nanyang Technological University

Development of Lee Kong Chian School of Medicine, Experimental Medicine Building at Nanyang Technological University

### Spectra Secondary School

Winner of BCA Greenmark Platinum Award 2013 and BCA Construction Excellence Award 2015

### Yong Loo Lin School of Medicine, National University of Singapore

Erection of block MD1 consisting of 17-storey building with basement

### Nanyang Primary School

Upgrading of the Nanyang Primary School to MOE's specifications, including a new indoor sports hall and related facilities; Winner of BCA Construction Productivity Award 2016



## INFRASTRUCTURE



### Marina Coastal Expressway, Marina Wharf

Design, construction, and completion; Pipe-jacking for trunk sewer including the ERSS work for manholes

### Lor Halus

Provision of Consultancy Services for the conceptual design of entire 110-ha. Lor Halus (roads, drains and sewers)

### Seletar Airport Air Traffic Control Tower and Fire Station

Proposed development of a new Air Traffic Control Tower and Fire Station at Seletar Airport

### TPE/Sengkang West Road/Seletar Aerospace Way Interchange

Construction of interchange including construction of new roads, widening of carriageways, construction of retaining structures, and reconstruction of SPPG substations



## INDUSTRIAL



### Diethelm Keller Aviation

Erection of a 4-storey single-user general industrial development at Changi North Crescent

### Stats ChipPAC Singapore (CSS)

Addition of a new 4-storey building to existing single-user factory development at 5 Yishun Street 23

### Alpha Industrial Building

Erection of an 8-storey multiple-user clean and light industrial development at Toh Guan East Road

### Audi Centre Singapore

Erection of a single-user light development comprising of 8-storey car service and pre-delivery inspection centre with roof terrace, basement carpark, ancillary showroom and offices at 281 Alexandra Road

### Petro Centre

Erection of a 10-storey flatted factory including a 4-storey carpark at 5 Jalan Kilang Barat

# KEY PROJECTS



## RAIL TRANSPORTATION



### **MRT DTL2 Cashew and Hillview Tunnels and Stations**

Design and construction of tunnels and stations at Hillview and Cashew for Downtown Line Stage 2; Pipe jacking for sewer diversion including MH ERSS works

### **MRT DTL2 Sixth Avenue and King Albert Park Tunnel and Stations**

Design and construction of tunnels and stations at Sixth Avenue and King Albert Park along Downtown Line Stage 2

### **MRT Thomson-East Coast Line**

Mainline Package A (Woodlands North, Woodlands, and Woodlands South) and Package B (14.5km, 8 stations from Springleaf to Mount Pleasant Station)

### **MRT DTL3 Ubi, Kaki Bukit and Bedok North Tunnel**

Construction and completion of tunnels between Ubi and Bedok North Station, including 20m deep excavation for launching shafts for TBMs, 8km TBM tunneling, and sewer diversions using pipe-jacking methods



## UTILITIES



### **NEWater Infrastructure Plan**

Provision of Accredited Checker Services for the NEWater Infrastructure Plan Extension Contract C4

### **JTC Substation Design**

Standardisation of 66/22kV substation design for JTC Industrial Estate and proposed construction of 66kV substations at Cleantech Park and Wenya

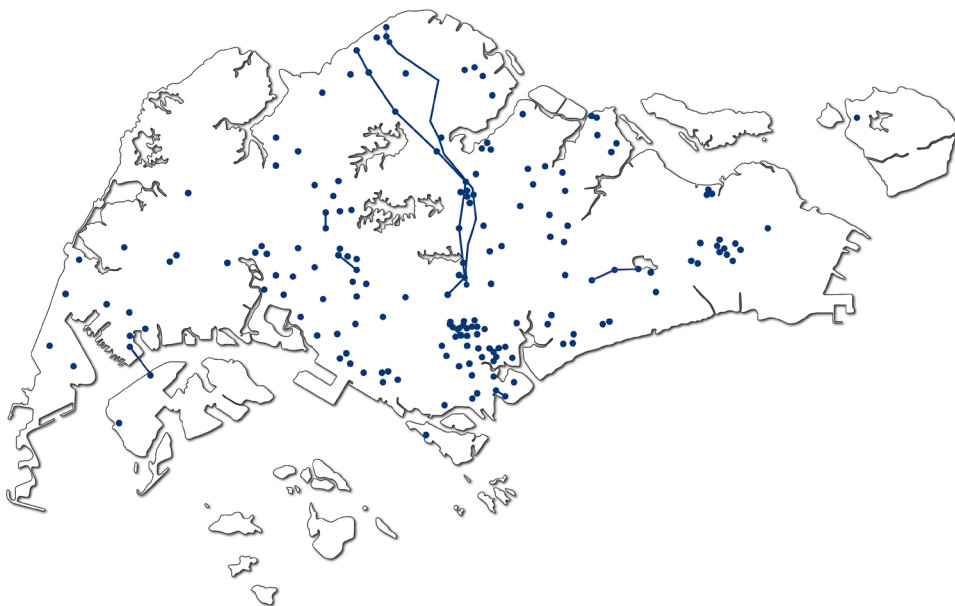
### **Jalan Buroh Service Reservoir**

Diversion of water pipes in Jurong Area and demolition of Jalan Buroh Service Reservoir

### **Demolition of Jurong Industrial Waterworks**

Professional Engineering Services for Demolition of Jurong Industrial Waterworks. Includes land restoration works, removal of mains and associates manholes, and diversion of services and pipelines

## GEOGRAPHIC SCOPE



## ECAS CONSULTANTS PTE LTD

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