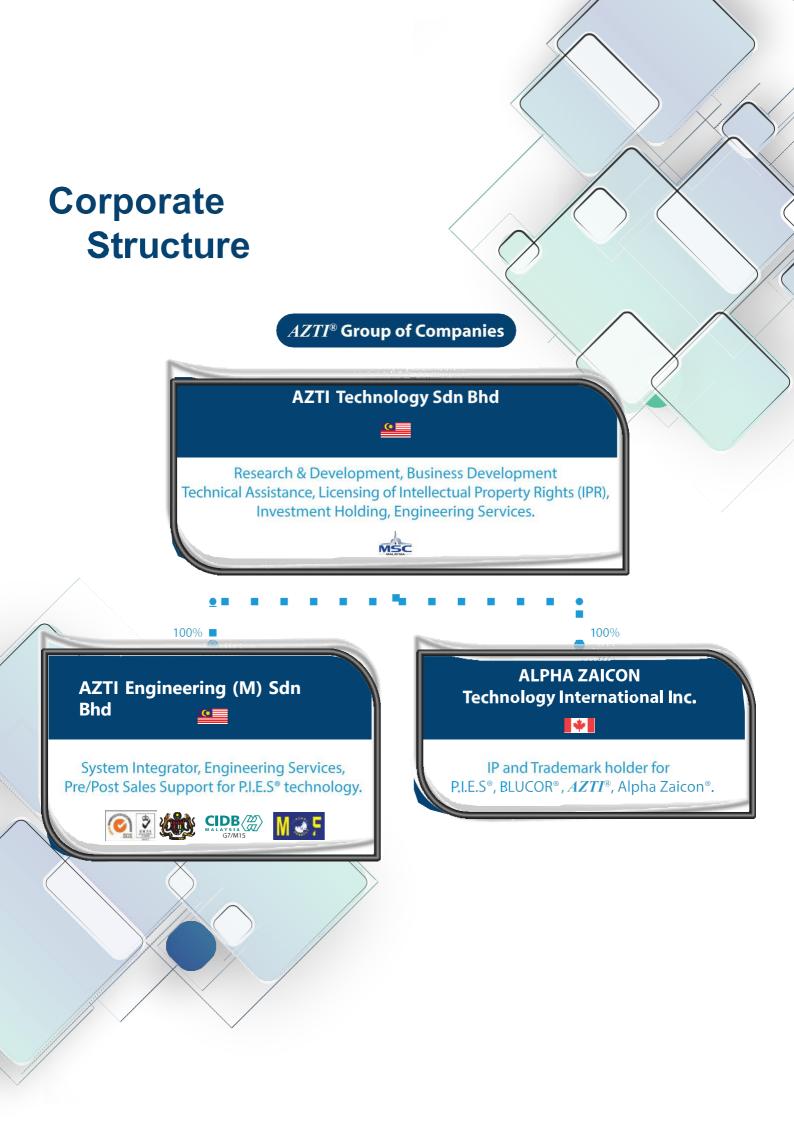


## Your Solution Provider for Platform Safety System

### **COMPANY PROFILE**

- © +603-2712 9322
- ⋈ williamfoo@aztihsb.com
- www.aztigroup.com



# **Value Proposition**



AZTI® core activities are to provide the following services:



Project Management Turnkey Solution Engineering Design

Integration

AZTI® adopts a flexible approach to cater to our client's requirements.

Installation

Testing & & Maintenance Commissioning Procurement

Marketing &

Engineering Services

















1985

1988

1995

2014

2015

Incorporation of Alpha Zaicon Technology Inc. (AZTI®), Toronto Canada

Vancouver Skytrain • Expo Line -20 Stations

Sydney Monorail - Los Angeles

8 Stations

Kuala Lumpur PUTRA line (Kelana Jaya LRT)

14 Stations

Ō 19 Stations

Change of

International Inc.

Secured contract for Kuala Lumpur's

Kelana Jaya

Line Extension Project 13 stations

(Parent Company of AZTI®) obtained

New Improved System AZ6000 HMI (Human Machine Interface)

Secured contract

for Kuala Lumpur's

**Ampang Line** 

LRT Project -25 Stations

Secured contract

for Kuala Lumpur's

Ampang Line

LRT Extension Project -

O 11 Stations















2017

2018

2019

2022

2016

Patent filed for New Improved System AZ6000

Completed Kuala Lumpur Kelana Jaya Line Extension Project 13 stations

AZTI Holdings Sdn Bhd certified ISO 9001:2015 Standars UKAS

AZTI Holdings Sdn Bhd certified ISO 9001:2015 **├** Standars DSM

**O**-

PIES®

EN 50121-4:2006 certified for EMC

EN 50126-1:1999 EN 50128:2011 EN 50129:2003

**Contract Secured** 

for Kuala Lumpur's LRT3-

20 Stations

**Product Certification** certification for SIL2 😝 by MOT Indonesia

KaohSiung Rapid Transit Corp.

Pilot Project

\_ 1 station

### A Proven Track Record of 30 Years

**KAOHSIUNG RAPID TRANSIT CORP** 



**TAIWAN** 2022 STATION:

**PILOT PROJECT** STATUS: IN OPERATION

20 STATION:

STATUS:

**IN PROGRESS** 

2018



**AMPANG EXTENSION LINE** 



MALAYSIA **2014** 

STATION: 11

STATUS: IN OPERATION

25 STATION:

STATUS:

IN OPERATION

MALAYSIA **2014** 



**AMPANG** TRANSIT

**KELANA JAYA EXTENSION** 



MALAYSIA 2014

STATION: 13 STATUS: IN OPERATION

STATION: 19

STATUS: IN OPERATION



**KELANA JAYA LIGHT** 

### A Proven Track Record of 30 Years

STATION: 14

STATUS: IN OPERATION

U.S.A. **1995** 





AUSTRALIA 1988 STATUS: 1988-2013

STATION: 20
STATUS: IN OPERATION

CANADA 1985

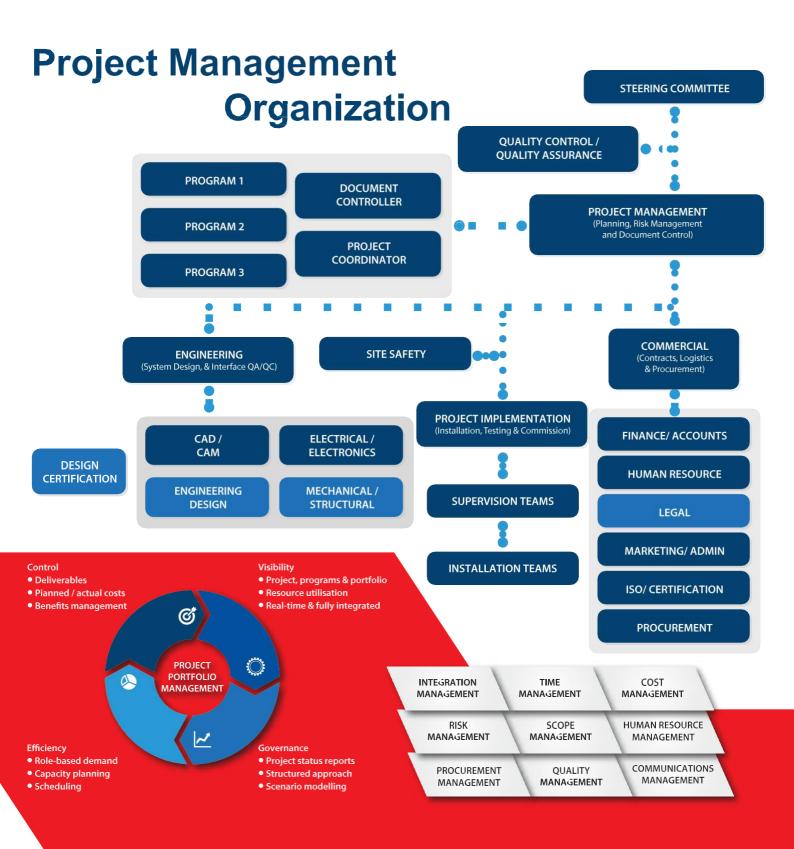




### The Management Team and Our People

AZTI® has a pool of skilled professionals, engineers and technicians – who are committed to delivering quality in a timely and effective manner. It is led by a management team who has enormous experiences in various industries, mostly trained by MNCs, along with exposures competing in the international arena.

We are 100% staffed with local competencies. Our Project Managers are PMP certified. We are objective driven. We believe in continuous improvement.



# Platform Safety

apidKL

### What is Platform Hazard?

Crowded Platform = Distracted Passenger.
 Human Error/Accident.
 Sabotage or Deliberate action.

# Why Platform Safety Systems is important?

1. To Safe Life. 2. To Avoid Revenue Interruption. 3. To Safeguard Reputation and Avoid Claim/Compensation.

# Solution for Platform Intrusion

### **Active System**

### **Reactive System**

Description	Platform Screen Door	Platform Intrusion Emergency Stop (PIES®) a.k.a. Intrusion Preventive System (IPS™)
Security	Highest	Mid
Investment (CAPEX)	High	Low
OPEX	High	Low
Complication	High (Fully integrated systems with ATC)	Minimum (Independent reactive system that triggers SCADA and ATC systems)
Service Maintenance	High (Many moving parts eg. door, motor, belt, sensors)	Very Low (No active moving parts)

<sup>\*</sup> Based on actual data compiled an existing system.



# WHAT IS PIES® / IPS® ? Platform Safety System

#### P.I.E.S®

Platform Intrusion Emergency Stop System a.k.a. Intrusion Preventive System (IPS®) to detect human intrusion on the guideway.

P.I.E.S® was designed in Canada initially for Vancouver Skytrain to:

- Detect human beings on the guideway.
- Be immune to Electromagnetic Fields and Radio Frequency Interference.
- Be immune to environmental effects.

P.I.E.S®/IPS® utilize a series of flexible mounted sensor panels located between running rail in front of platforms and attached a proprietory strain sensitive cable BLUCOR® to these sensor panels and developed electronic circuitry to eliminate environmental effects while still detecting human intrusion.

PIES® (Platform Intrusion Emergency Stop) System / IPS® (Intrusion Preventive System) is

Proven, Simple, Reliable and Cost Effective.

### **PIES®**

PROVEN SYSTEM FOR MORE THAN 30 YEARS.

### **HIGH REALIBILITY**

Has been operational *Since 1985* in Vancouver Skytrain.

#### **COMPLIANT To:**

Safety Integral Level (SIL)

- EN 50121-4:2006
- EN 50126-1:1999
- EN 50128:2011
- EN 50129:2003
- MOT Indonesia

### EASE OF MAINTENAN

Requires minin maintenance

# WEATHER CONDITION

Proven to be able to work without degradation

### ADJUSTABLE TO SUIT REQUIRED SENSITIVITY

The system is easily adjustable for required sensitivity.

### UNSUSCEPTIBLE TO EMF/RFI INTERFERENCE

Not susceptible to radio and electromagnetic frequency.

### CUSTOMISABLE, SCALABLE for REDUNDANCY AND OTHERS

Customisable to fit in any track, which provide flexibility and cost efficiency.



 Alpha Zaicon Technology Inc. has since been acquired by AZTI Technology Sdn. Bhd. and all spare parts can now be readily supplied from Malaysia.



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