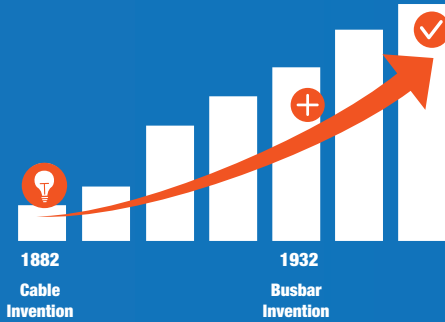


# Tai Sin Busbar Trunking System

The First & Only Busbar Trunking System Test & Assembly Line In Singapore

## History of BTS invention

Busbar trunking system, first introduced in **1932**, solving the automation industries needs for flexible power distribution system

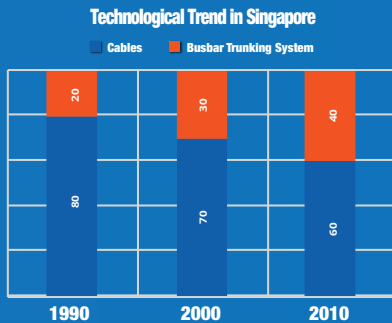


## How BTS became a popular choice in the power distribution market?

CABLES INSULATED SHEATHED COPPER	BTS METAL ENCLOSED BUSBAR DESIGN
✓ High IP	✓ Full range of IP
✓ Durable	✓ Low resistance
✓ Flexible	✓ Compact
	✓ Save cost
	✓ Stringent type test guideline

## BTS Adoption in Singapore

BTS accounts for **>50%** in power distribution of data centres, government industrial, and healthcare projects



## Why Tai Sin BTS?

Manufacturer of Power Distribution System since 1980s

- The only brand that conduct factory routine test in Singapore
- Provide local technical and replacement/repair support with the shortest lead time
- Type tested and certified to IEC 61439-6 standard
- Quality assured with 3rd party (KEMA) surveillance

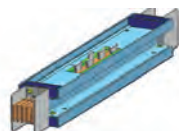
## Unique Tai Sin BTS Features



**Two pieces of housing**  
(Aluminium Housing)  
**Unique heat dissipation design**



**Smart TOU Plug assistance**



**True sandwich design**  
No air gap, plug in with full size conductor



**Error proof device**  
Ease of installation



**Thermal Indicator**  
Easy maintenance  
(Thermal Sticker indication At joint)



**Safe & reliable insulation system**  
(Epoxy Or Mylar)

### COPPER VS ALUMINIUM BUSBAR

#### CONDUCTIVITY

**Aluminum has 62% the conductivity of copper.**

Specifying engineers sometimes disregard aluminum as a conductor for busbar trunking systems, because lower conductivity equates to larger conductors to match current carrying capacity.



#### WEIGHT

**Aluminum can be as much as 70 percent lighter than copper.**

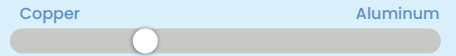
The reduced weight of aluminum conductors can create cost savings in many areas, with fewer supports required to secure the busbar, less manpower required for installation and reduced transportation costs.



#### ELECTRICAL RATINGS

**Compared by volume,**

Copper outperforms aluminum with lower electrical resistance, power loss, voltage drop and higher ampacity.



#### PRICE

**Copper : Aluminium - 3:1**

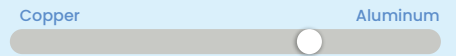
(According to the London Metal Exchange).

Aluminum allows specifiers and contractors to compile cost forecasts with more accuracy and consistently ensures project cost savings from busbar manufacturers.



#### ENVIRONMENTAL SUSTAINABILITY

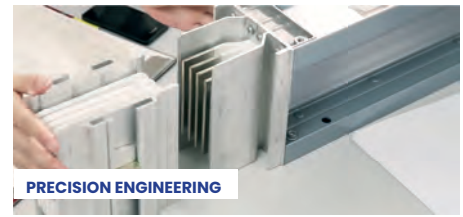
Aluminum is arguably a more sustainable option for busbar trunking conductors as it is less reliant on non-eco mining, extraction processes and recycling it produces less waste. Screen reader support enabled.



### TAI SIN BUSBAR TRUNKING SYSTEM

## Shorten Turnaround time for unexpected situations

First & Only Test & Assembly Line In Singapore  
 Safety & Efficiency at Every Level  
 Indoor & Outdoor Applications



### ABOUT US