



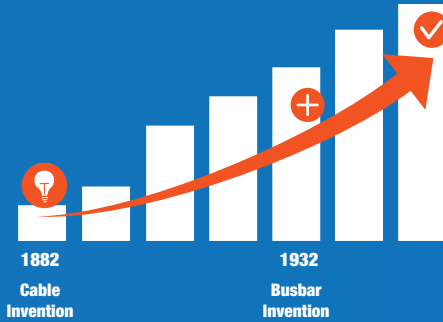
Tai Sin®

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

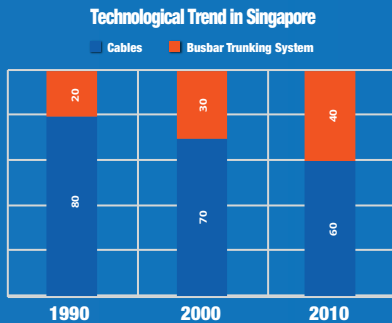


How BTS became a popular choice in the power distribution market?

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

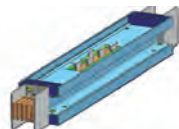
Unique Tai Sin BTS Features



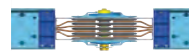
Two pieces of housing
(Aluminium Housing)
Unique heat dissipation design



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)



KEMA Quality



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.

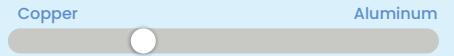
The reduced weight of aluminum conductors can create cost savings in many areas, with fewer supports required to secure the busbar, less manpower required for installation and reduced transportation costs.



ELECTRICAL RATINGS

Compared by volume,

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



PRICE

Copper : Aluminium - 3:1

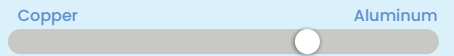
(According to the London Metal Exchange).

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



ENVIRONMENTAL SUSTAINABILITY

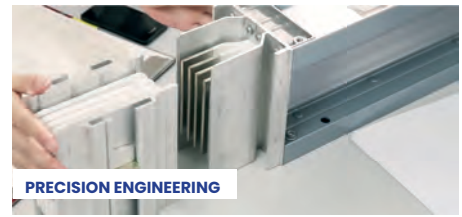
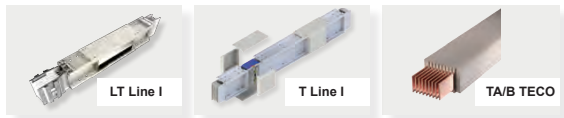
Aluminum is arguably a more sustainable option for busbar trunking conductors as it is less reliant on non-eco mining, extraction processes and recycling it produces less waste. Screen reader support enabled.



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