Product Profile 2027
A P J Engineers Pvt. Ltd. · System integrator for Eaton

APJ Busduct and Track Busway

Eaton busduct and track busway, engineered and installed by APJ.

Rising mains, transformer links and data-hall track busway. APJ is a system integrator for Eaton, surveying the route, engineering the run, installing, testing and building the panels at both ends.



Eaton integrator
Busduct and track busway systems

Up to 6300 A
Aluminium or copper conductors

IEC 61439-6
Busbar trunking standard

Supply to testing
Survey, install, joint and test

Range and specification

Three jobs, one busbar system.

Busduct replaces banks of parallel cables with one compact, tested run. Track busway does the same overhead in a data hall, with power drawn wherever a rack needs it.

Typical scope	
Rising mains	Vertical busduct through the shaft with a plug-in tap-off at each floor
Transformer links	Busduct from transformer or DG to the main LT panel, with flanges and flexibles
Track busway	Overhead open-channel busway in data halls with plug-in tap-off boxes
Current rating	800 A to 6300 A busduct; track busway to suit rack loads
Conductor	Aluminium or copper
Construction	Sandwich type, compact, low impedance
Protection	IP54 / IP65 as the location requires
Tap-off	Plug-in boxes with MCCB or switch-fuse, fitted live-safe
Standard	IEC 61439-6
By APJ	End-feed, tap-off and distribution panels built in our works

Ratings and fire-rated options follow the Eaton range selected for the project.



Rising main in a shaft with floor tap-off and fire-stop at the slab.

Where it is used

- High-rise towers
- Data centres
- Hospitals
- Malls and commercial
- Factories
- Airports and infrastructure

Why busduct instead of cable

Less shaft space, lower voltage drop, faster installation, and a new tap-off can be added later without a shutdown of the whole riser.



Scope and track record

We take it from survey to energising.

01 Site survey
Shaft, slab openings and equipment positions measured before anything is ordered.

02 Route engineering
Run drawings with every length, elbow, flange and support fixed to site dimensions.

03 Supply
Eaton busduct or track busway with tap-off boxes, supports and fire-stops.

04 Installation
Hung, aligned and jointed by our own crew, joints torqued to record.

05 Testing
Insulation resistance and high-voltage tests, phase sequence and joint checks.

06 Panels at both ends
Main LT panel, tap-off and floor panels from our own works, made to fit the flange.

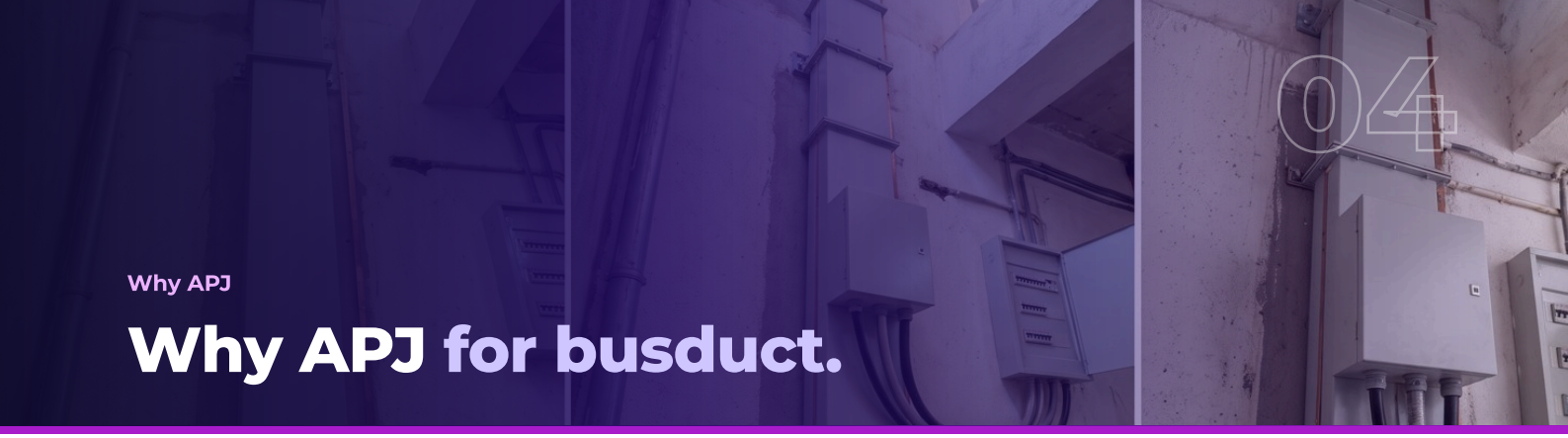


Transformer to main LT panel link through the substation wall.

Track record

- 4000 A bus trunking with DG isolator panel, Phoenix Aquila commercial tower, Hyderabad
- Meter-room busbar panels for L&T Construction, CIDCO mass housing, Taloja
- Meter busbar and common-area panels, Lodha Raj Tattva, Thane
- Data centre LT power packages, Hyderabad and Nagpur





Why APJ

Why APJ for busduct.

Eaton system integrator

Eaton busduct and track busway, designed, supplied and installed by APJ.

We build the ends

The panels the busduct lands on come from our own works, so flanges match first time.

Surveyed before ordered

Lengths are fixed to the real shaft, not the tender drawing.

Our own installers

Hanging, jointing and testing by people who do it every month.

Data-hall ready

Track busway with tap-off boxes for rack power, and the PDUs and panels behind it.

One package

HT, transformer link, LT panel, riser and floor panels on one order.



Part of a complete power package

APJ Engineers builds LT and HT panels, supplies busduct and track busway, DG sets, acoustic enclosures and cable trays. Order one item or the whole power train from one accountable supplier.

Talk to us

Works

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