

A special need for easy fibre access, by MidtVest Bredbånd A/S in Denmark, resulted in development of a new series of Triax A/S street cabinets.

## Outdoor access points for fibre optical networks.

### Task

Midtvest Bredbånd A/S decided to use above-ground access points in their fibre optical network, enabling flexible deployment of optical cabling to subscribers the coming years. In total approx. 30.000 kilometres of ducts have to be completed with up to 18 million kilometres of optical cabling by 2012.

For highly populated areas the system should comprise a solution for an access point containing up to 32 subscribers and in densely populated areas up to 16 subscribers. The access points should be designed with a special steel back board for splice trays and a built-in fibre management system.

Each cabinet is also prepared for installation of a chip-based information system.

### Process

Today the development of FTTH in Denmark has reached a point where especially private homes, private companies and other locations are being connected to fibre optical networks in large numbers. Optical network providers, like Midtvest Bredbånd, are offering high speed connections for the Internet, IP-telephone/television and several other IP-based services are in the pipeline.

Solving the growing demand for high speed optical connections a functional and cost effective network has to be established. Triax A/S cooperated with the end-user MidtVest Bredbånd A/S for fulfilling their specific needs for small scale fibre distribution hubs.

MidtVest Bredbånd CTO Jan Danesfeldt has been much satisfied with the cooperation with Triax A/S: *"Through close cooperation we managed to obtain competitive custom designed enclosures with optimal protection of our installations, securing easy access all year around"*.

### Solution

The rapid development in FTTH technologies with more fibre to manage and demand for multiple easy accesses to fibre trays has created a demand for surface fibre distribution hubs.

The solution fulfilling the needs of MidtVest Bredbånd A/S comprises, at present, two sizes of street cabinets, a special steel back board for splice boxes, fibre management and a special in-ground root prepared for ducts and fibre cabling.



**Simply more**  
- more simply

The back board in the cabinet has also been designed specially with a built-in fibre management system.

See overleaf for specific product details.

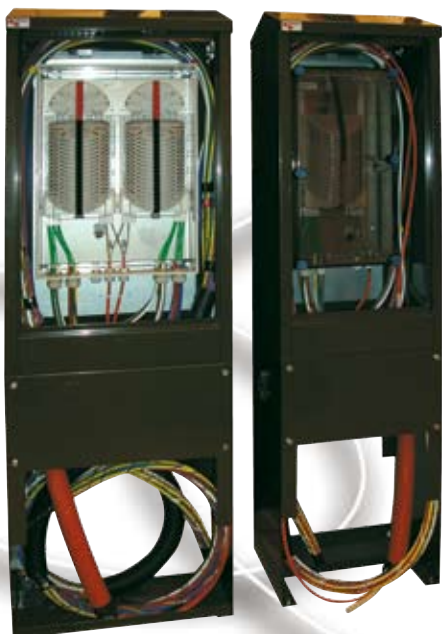
Task



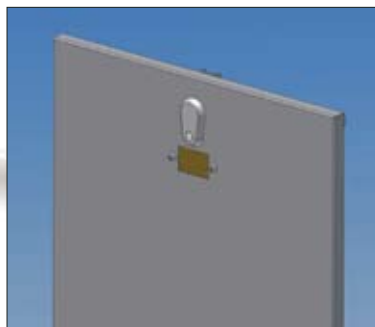
Process



Solution



FK 530/430 street cabinets mounted with splice trays and fibre management system.



Chip based information system placed in lift-off door.



Integrated fixing bar for ducts/ tubes in root.

**Specifications**

- Galvanized steel
- Polyester coated

External measurements		FK 430	FK 530
Height	mm	985	985
Width	mm	430	530
Depte	mm	315	315

Mounting volume		FK 430	FK 530
Height	mm	805	805
Width	mm	350	440
Depte	mm	285	285



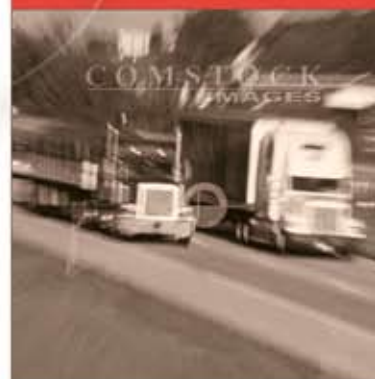
Installation in urban area



Lift-off door providing easy access to installations



Customer



Logistics



Simply more  
- more simply



Partnership