



Fibre to the home • www.vumatel.co.za

PREPARING FOR FIBRE

Deployment into buildings
& apartments

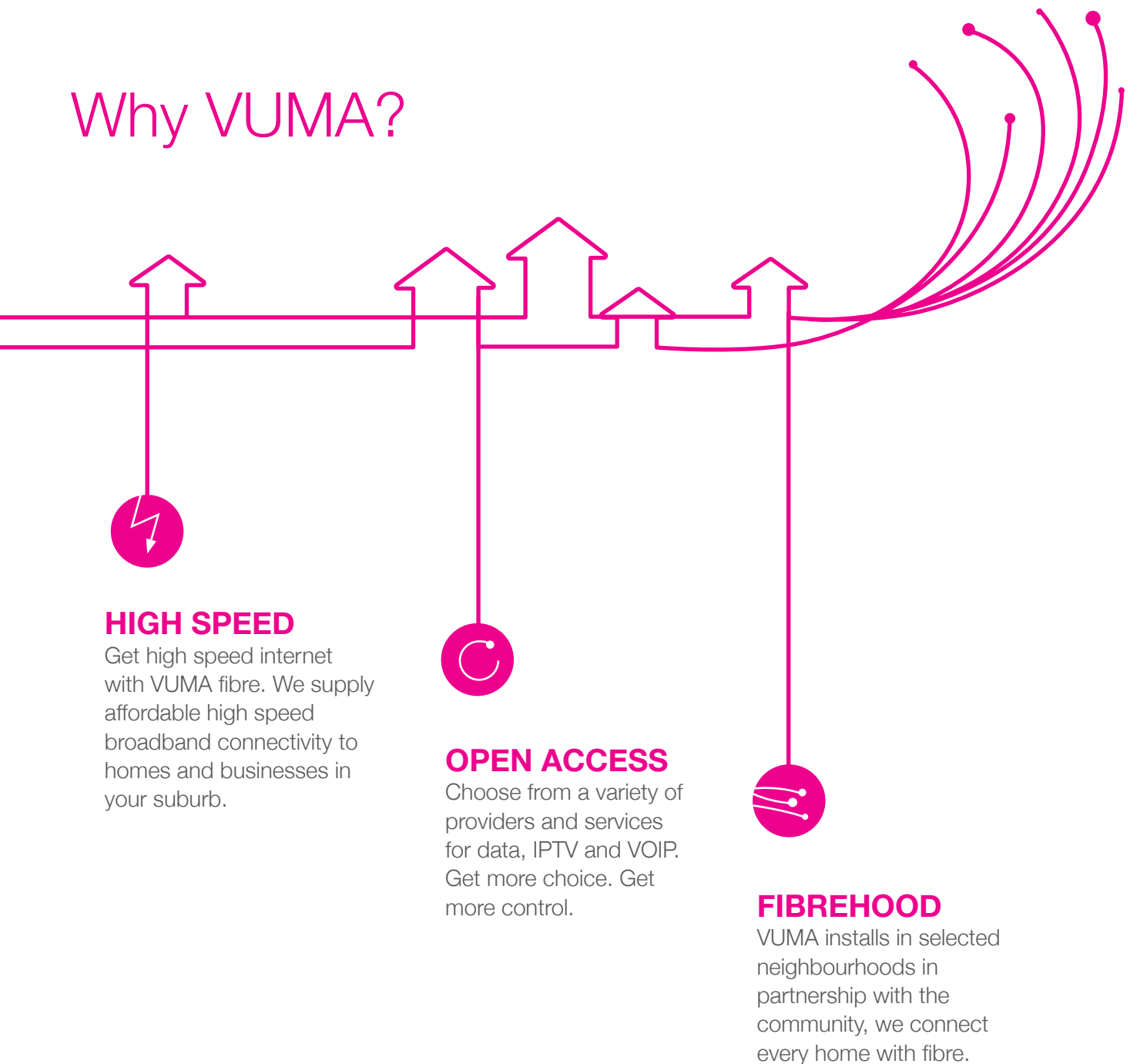
MDU (Multi Dwelling Unit)

Who is VUMA?

VUMA installs fibre optic cables to all homes in your suburb.

We install in neighbourhoods in partnership with the community and with their support. We will connect every home with high speed open access fibre. You can then choose from a variety of providers and services for data, IPTV and VOIP.

Why VUMA?



Why Fibre?

Data uses doubles every year. New services emerge that require proper bandwidth. It will become progressively difficult for any technology, other than fibre, to support the future demands for speed and capacity we need.



Better speeds

VUMA fibre is 250x faster than today's basic broadband. Fibre future proofs your home and supports a host of new and future services.



Improved security

Rolling out a fibre network makes it possible for CCTV cameras to be placed throughout the community. CCTV cameras are known to reduce crime and can play a significant role in improving the overall security in the areas they cover.

With fibre the high quality live feeds from the CCTV cameras are taken back to a central location via the fibre network. The live feeds enable appointed security providers to offer live monitoring of the areas covered as well as other services such as number plate and facial recognition.

VUMA is open access. We will work with any specialist CCTV and security providers chosen by the residents association to make this possible.



New possibilities

Entertainment

Download the latest movies, HD TV shows, games and music in no time or stream TV over the internet.

Remote working

Work hassle free from home. Fibre upload and download speeds are significantly higher than ADSL. No more long waiting times to upload or send large files. Video conferencing is made easy.

VOIP

Cut your phone bill. With fast connectivity making calls locally and internationally from your home is cheaper with crystal clear quality.

Smart metering

Turn your house into a smart home. Measure water and electricity use. Remotely control devices, lights and appliances in your home.

What does high speed fibre really mean?

The VUMA network is capable of delivering 1 Gigabit/second bandwidth to every home. this means you can download an HD movie in 9 seconds.



adsl

1h30m

19m

19m

fibre

9s

3s

3s

VUMA fibre is 250x faster than today's basic broadband. With fibre you get what you want instantly. It is more reliable and stable than ADSL which uses copper infrastructure.

adsl vs fibre

250x FASTER

More desirable apartments

Another benefit of FTTH (fibre-to-the-home) is the impact that it can have on the value of properties.

FTTH will increase the desirability of your apartment for the rental & buying market. The latest research from the Absa Homeowner Insights review (Edition 1: Volume 2, 2015 Q2) shows a clear link between broadband speeds and property values and indicates that connecting your property with fibre will make it more attractive to prospective buyers.*

Your apartment will become more desirable to the rental market.

High speed connectivity will influence the decision of prospective tenants when deciding where to rent.



*http://www.absa.co.za/deployedfiles/Absa.co.za/PDFs/Economic%20Research/Property%20Research/Property%20Commentary/2015/08.%20August/Absa%20Homeowner%20Insights%20Update_04082015.pdf

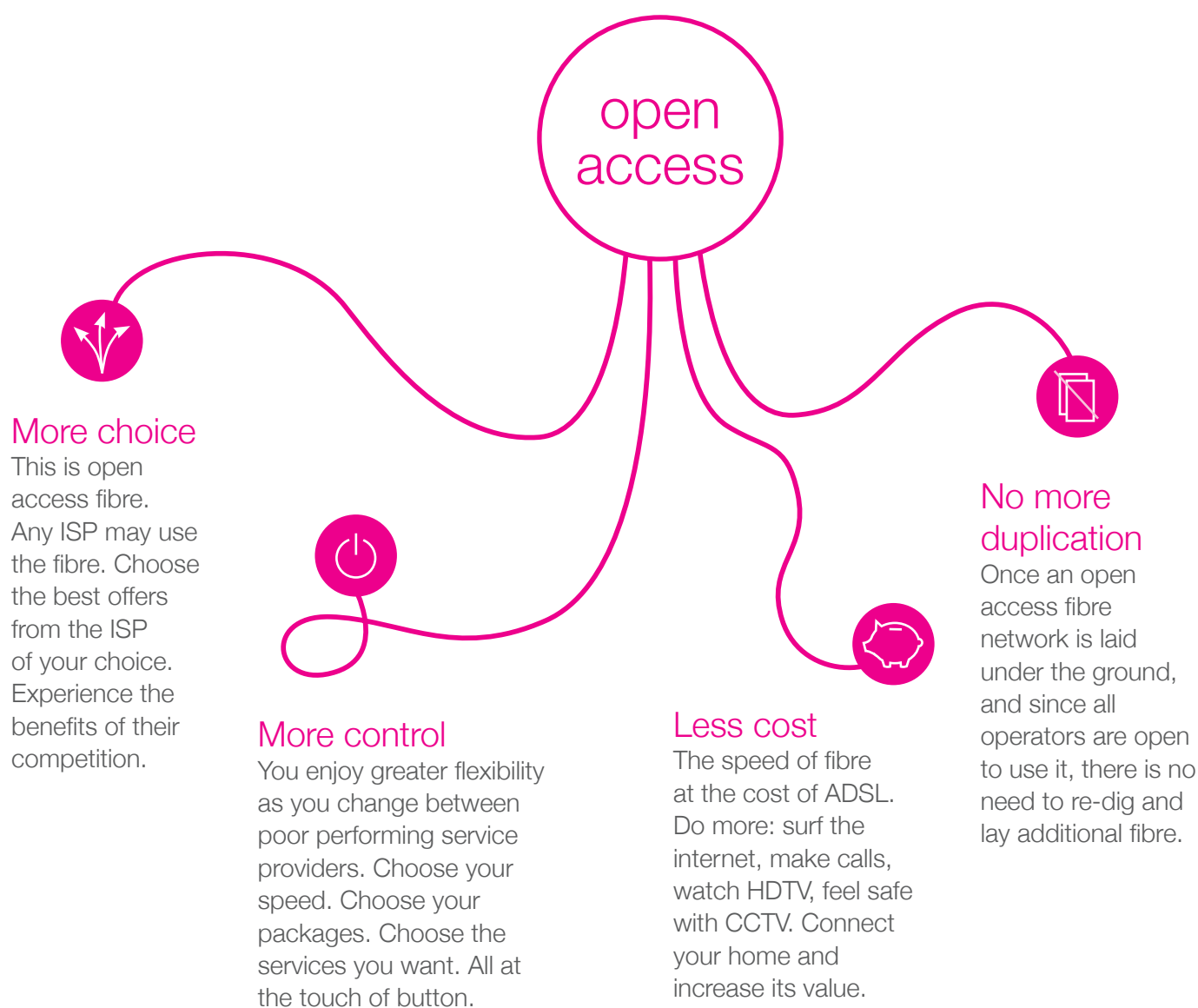
What does open access mean?

The VUMA fibre network is available to Internet Service Providers (ISPs) to supply you with their best offers.

We supply the common infrastructure whilst the ISPs compete for your business across it.

It is this separation of the infrastructure (the fibre cable) from the service (the data) supplied across it that makes VUMA different and brings you benefits.

We believe a separation leads to more competition that improves both price and service.



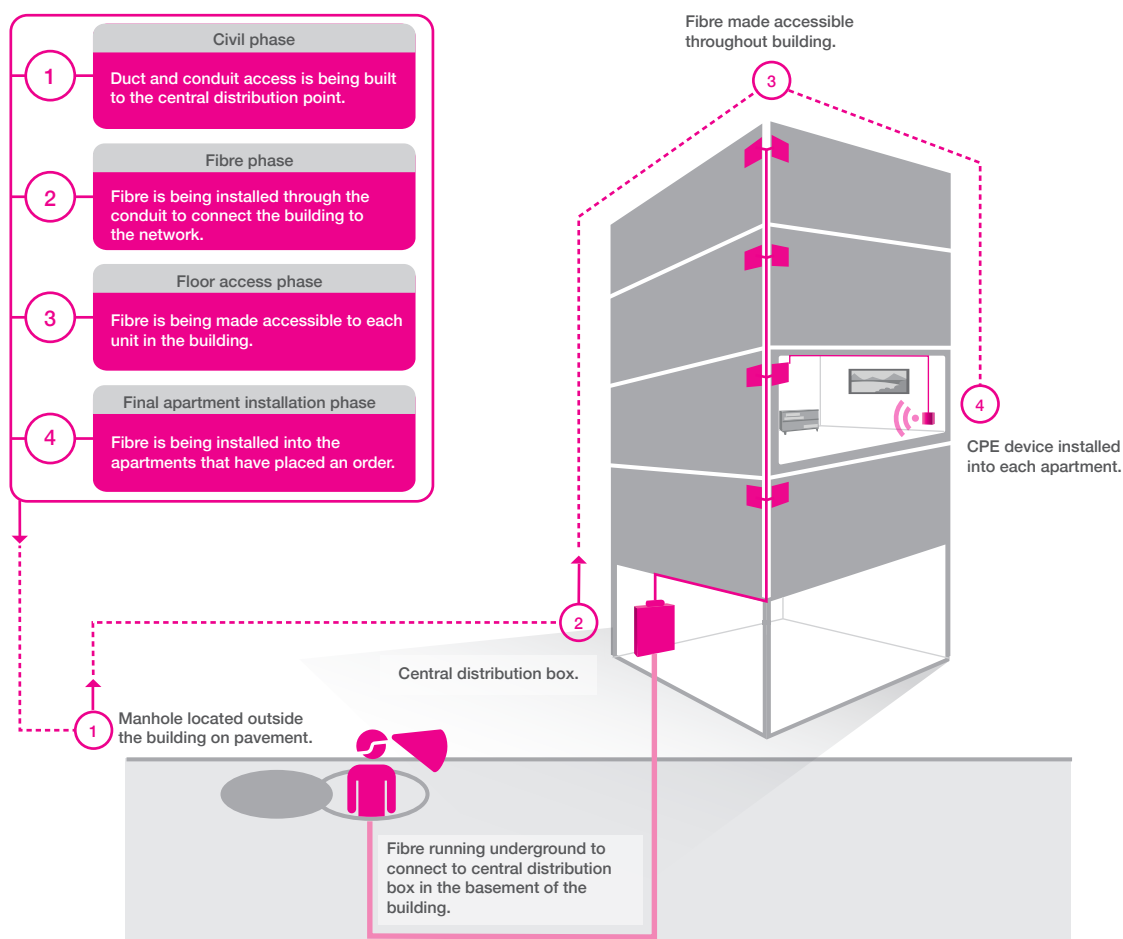
Connecting your building to the VUMA network – MDU (Multi Dwelling Unit)

This involves installing cables from the street to a fibre distribution point in the building, typically terminated in the basement or on the roof.

For individual homes a wall box is located on the outside of the premises boundary wall. For high rise buildings or blocks of flats this is not a practical solution. In order to provide sufficient capacity for every unit, VUMA needs to bring the fibre into each building to a central distribution point within the property from which to serve residents. This requires what we call an “access build”.

This typically involves civil work (trenching, mounting of fibre trays and laying of cables etc.) so the fibre can be provisioned into the property. The fibre is brought through to a centralised location (eg. basement, location of other services such as water & electricity) and connected into a fibre distribution box.

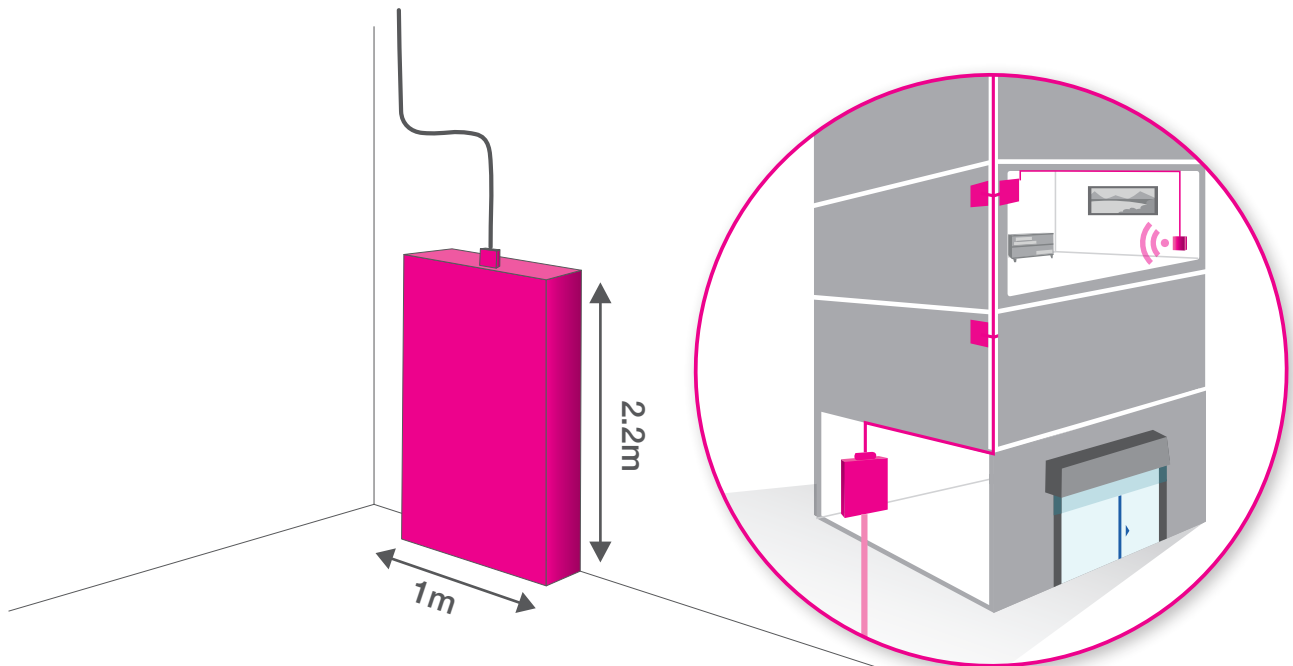
There is NO COST to the owners, tenants or body corporates for the provision and construction of this fibre into the property. The network and access builds are funded entirely by VUMA.



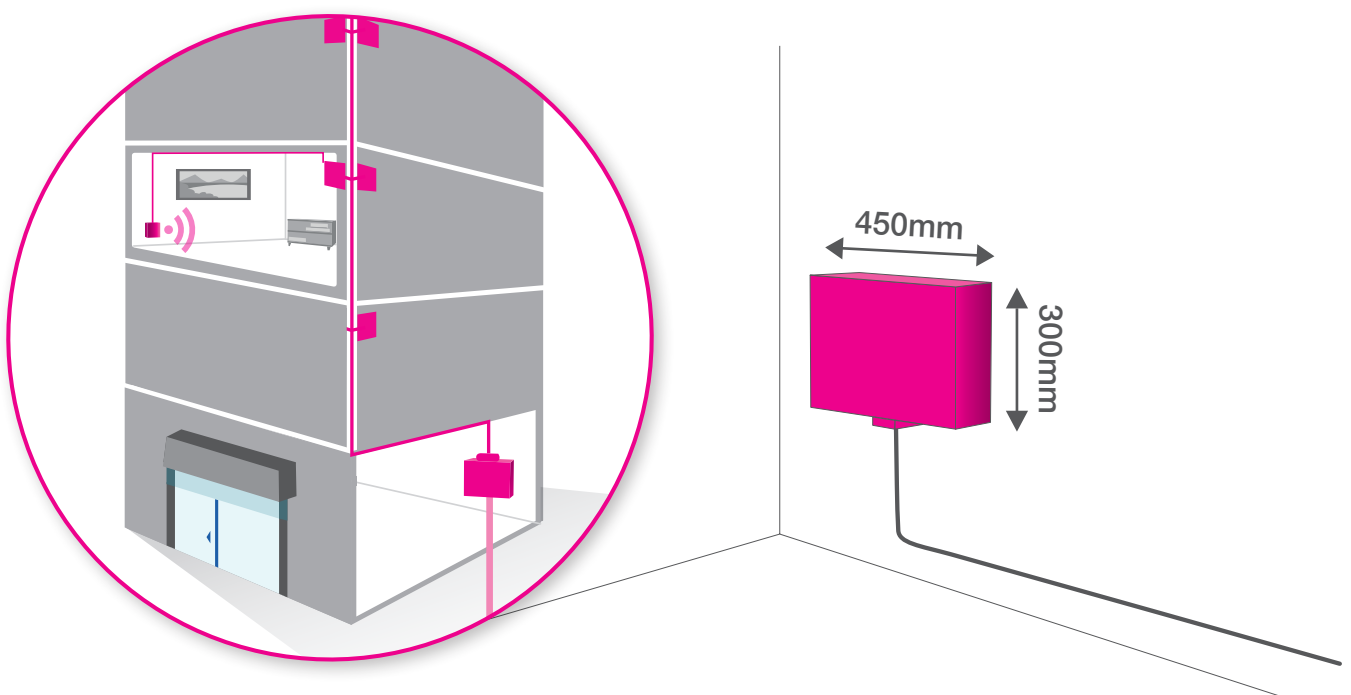
Installing fibre equipment into your building

Depending on the network design and layout of your building we will install one of the following:

VUMA DISTRIBUTION NODE (VDN)

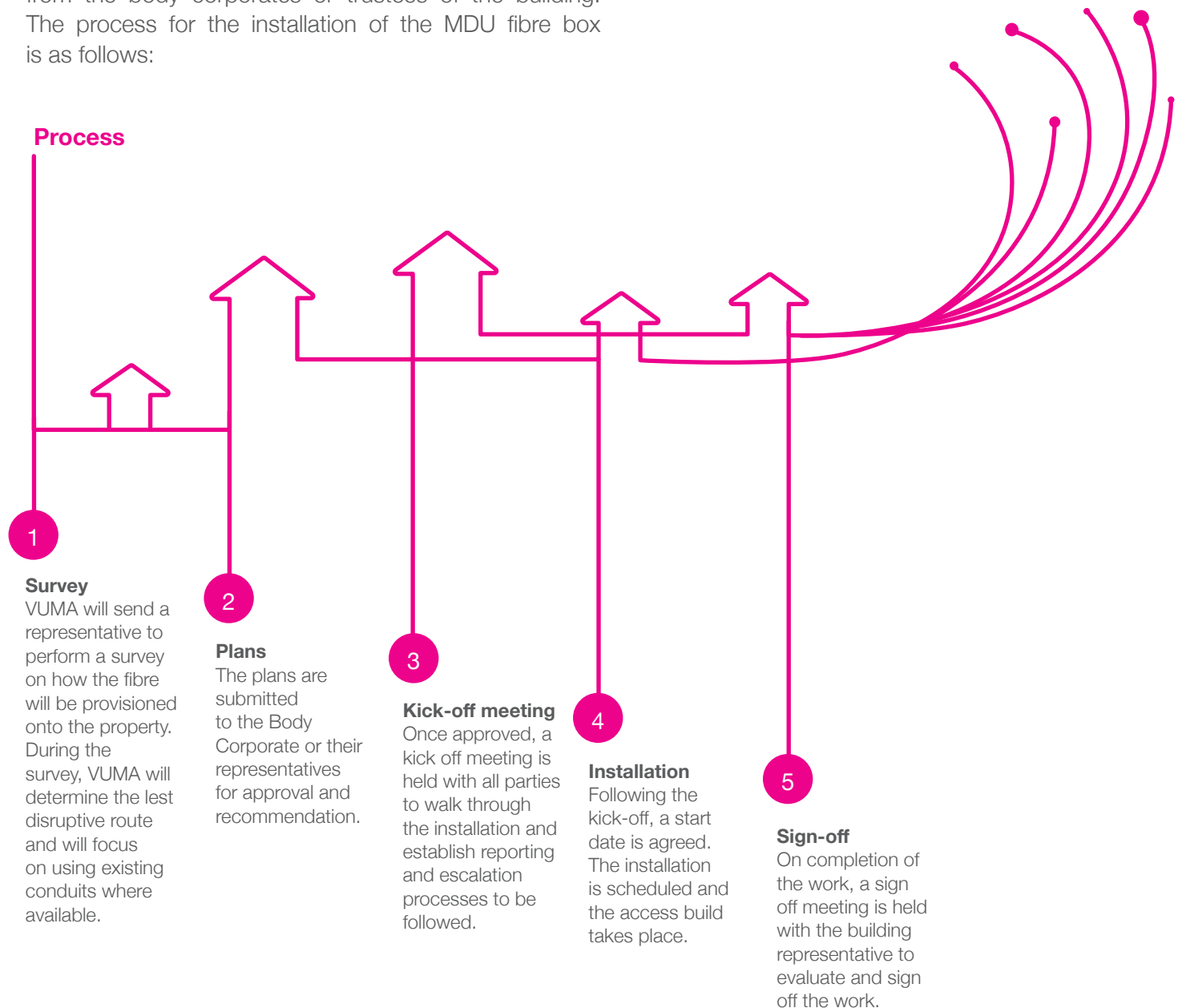


MULTI-DWELLING DISTRIBUTION BOX (MDU)



Process for Installing the MDU

In order for VUMA to provision fibre into your block, we require the necessary authorization and site access from the body corporates or trustees of the building. The process for the installation of the MDU fibre box is as follows:



How long does the installation take?

The duration of the construction can only be confirmed once the survey has been completed, but this will typically be 5-10 days. We will do everything we can to minimize disruptions.

Project Execution Principles:



Landlord / Body Corporate Participation

- Work may only commence with approval of plans.
- Kick-off meetings between all parties before work commences.
- Before and after photo's taken.
- Civil acceptance and sign off by representatives before we leave site.
- Access build documentation submitted to landlords or representatives.



Supervision & Escalation

- Full time contractor on-site supervision.
- Dedicated VUMA project managers to oversee work and resolve issues.
- VUMA fibrehood management as escalation point of contact.



Completion of Project

- Sign off is required from body corporate on quality of reinstatement.
- Final plans will be provided to the body corporate.



Warranties & Maintenance

- Maintenance at zero cost because the fibre remains VUMA's infrastructure.
- Warranties on the installation work completed.

How do you install into my apartment?

Once the fibre distribution point has been installed and the building/complex is connected to the network residents can order an in-home installation.

When a resident wants to make use of the service, they will submit an application for an in-home installation. We will schedule a convenient time to send an installation team out to reticulate the fibre from the fibre distribution box into resident's apartment. We need to install a small fibre box (called a CPE device) in each apartment.

Owners and tenants that do not wish to use the service have no obligation to do so, however the service is available for future use. Residents who order an installation, will be invoiced for the installation directly from VUMA after the installation.

How long will the in-home installation take?

This depends on the complexity of getting the fibre from the fibre distribution box into the apartment. This could take up to 4 hours.

For more information about the in home installation go to **www.vumatel.co.za/downloads**.

What next?

In order to have your building surveyed, please complete the "VUMA MDU Access and Authorization Form".

Please send it to **info@vumatel.co.za**. We will let you know when you can place an order for your apartment.

MDU FAQ's



VUMA is going to connect my apartment block to fibre at no cost?

Yes, VUMA completely funds the entire construction, installation and provision of fibre within the suburb AND into each complex/apartment block. We ensure each block is fibre ready at no cost. Residents will pay for a once off installation fee if they order an installation into their apartment.

What if VUMA damages the BC property during the “access build”?

VUMA will be liable for any damages that may occur during work on the property. VUMA is fully insured and has full SASRIA public liability insurance. VUMA will ensure that it restores all work to the original condition. This includes sign-off from a body corporate representative.

Will you be digging up the roads in the area?

Yes. VUMA will be trenching in the pavements and sidewalks to lay fibre in the ground.

Does VUMA have permission to trench in the sidewalks?

Yes, VUMA has permission (wayleaves) from the JRA to lay fibre in the pavement. Part of the agreement is that VUMA will reinstate the areas where work has been done back to its original condition. In addition, we guarantee all reinstatements for one year.

What if I want to order an installation to bring the fibre into my apartment?

Residents who would like to order an installation into their apartment/home can go to

www.vumatel.co.za/order

You will be contacted when your building is fibre ready to arrange for an installation inside your home. VUMA will invoice you for a once off installation fee of R1710.

How much do I need to pay monthly?

Once your in-home installation is complete and the CPE is installed into your apartment, the next step is to select your service provider.

You can view all the service provider packages here - **www.vumatel.net**. These prices are the final prices that you will pay directly to your ISP i.e. no monthly amount payable to VUMA.



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**Get your building
connected to fibre &
increase its value.**

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