

RENEWABLE ENERGY

empowering Newinbosch

The Newinbosch Renewable Energy System is a combination of energy sources, including solar power, municipal grid supply, battery energy and possibly even some generators in the future. This blend of energy will keep our neighbourhood running smoothly, all thanks to Newinbosch Energy, a collaboration between Broadreach and Lesedi, independent of the Newinbosch developer. Check out how the Newinbosch Microgrid will keep you completely free from load shedding up to Stage 3 and probably even beyond, guaranteeing uninterrupted limited power for all our residents from Stage 4 - 8.

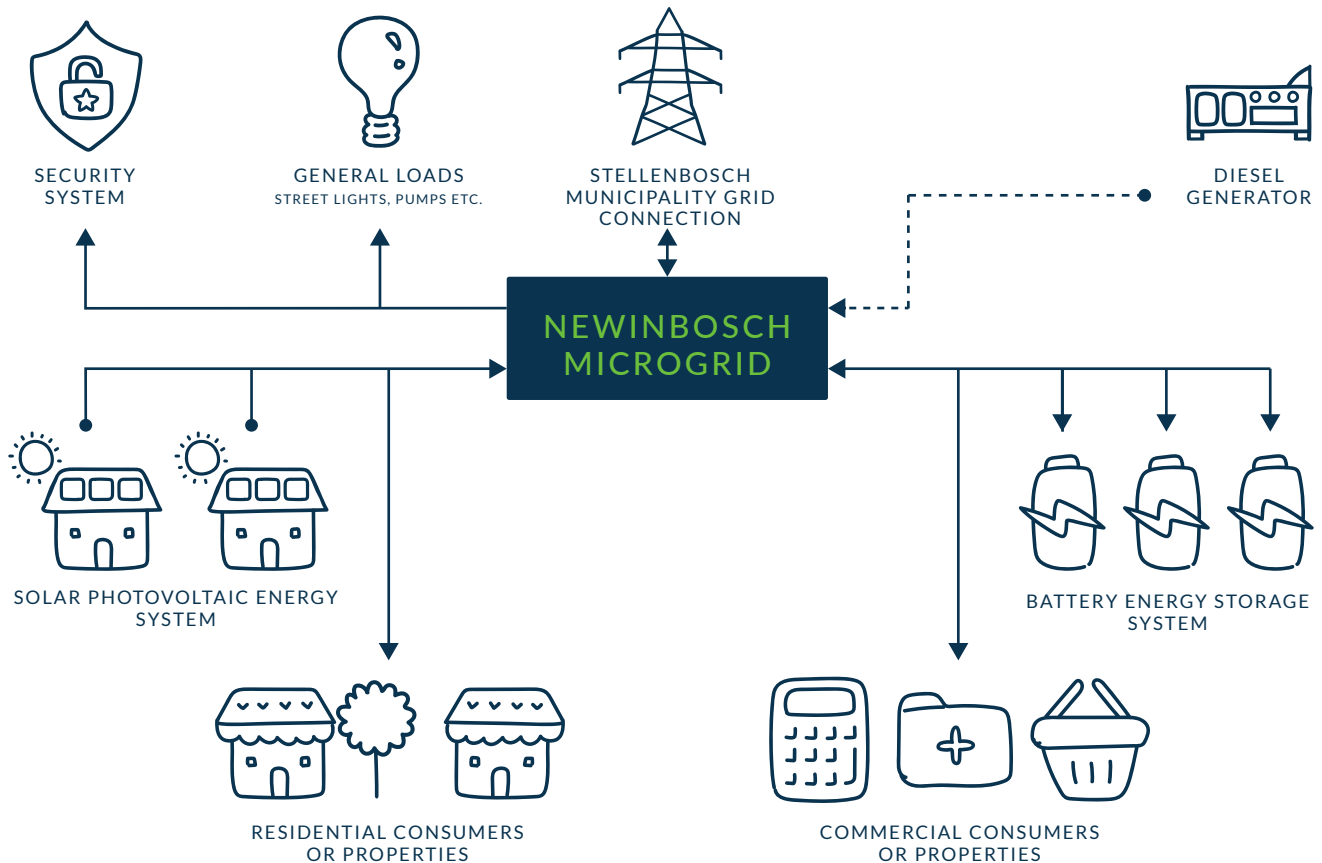


newinbosch
NEIGHBOURHOOD ESTATE

GET READY TO POWER UP

Broadreach is the champion of power systems in sub-Saharan Africa. They're the ones who finance and operate power systems, ensuring we have the energy we need. Lesedi, on the other hand, is the expert in all things engineering, procurement and construction, especially when it comes to the South African power sector. Together, these two partners operate as a special purpose vehicle (SPV), Newinbosch Energy, under an independent service level agreement with the Newinbosch Master Homeowners Association, ensuring that Newinbosch remains powered up and steadfast, ready to overcome any challenge!

HOW IT WORKS



Newinbosch Energy is decking out all Newinbosch homes with solar PV panels, except for a few that don't have enough sunny roof space. If your roof faces east, north or west and has plenty of room, you'll host a row of panels for maximum power for our neighbourhood! Of course, the Newinbosch Energy staff won't just climb onto your roof without your permission. There will be a clear request and permission process, which we will communicate later. This, in any case, will be a rare occurrence.

The solar panels at Newinbosch will send power to central inverters, not directly to your home. Instead, they will feed the Newinbosch Microgrid, which will then distribute energy to your home through a smart meter. Other than the solar panels on your roof, there will be no other hardware in your house.

Batteries will also be set up in a centralised manner, offering backup power to the whole estate, not just to individual houses. Everyone connected to the Newinbosch Microgrid will enjoy the benefits of this solar and energy storage system! Our first batteries will come online in June/July 2024 and until then our residents might still experience load shedding.

LIGHTING UP YOUR LIFE

In Newinbosch, we've got your back when it comes to power! Our homes, businesses and essential systems will keep humming along, even during load shedding, thanks to the clever mix of energy sources. In essence, Newinbosch Energy is using the scale of our neighbourhood estate to achieve this. Energy experts refer to this as diversity of supply and consumption.

You won't even notice the switch between solar, batteries and the grid – it's all seamless!

SO WHAT DOES THIS MEAN FOR YOU?

We're dedicated to ensuring that Newinbosch remains entirely load shedding-free up to Stage 3. This means you won't even notice the difference between a load shedding event and the normal flow of electricity. Whether your AC is set to keep you cool or your stove is baking a birthday cake, everything will continue to run smoothly (up to Stage 3).

However, when we do reach Stage 4 or higher, Newinbosch Energy will take some smart steps, like temporarily turning off non-essential items such as geysers, stoves, ovens and air conditioners remotely. They will still keep energy flowing to all your essential items like plug points, lights, wifi and fans—all the non-heavy users—so you can continue living comfortably!

As long as there's enough battery power and sunshine, there will be no need for load reduction in the neighbourhood. We'll only need to manage the load when the batteries are running low or if the sun decides to hide for a few days during heavy load shedding stages. This means you might even have FULL power up to Stage 4 or 5, depending on the neighbourhood demand, our battery power and the sun's capacity to shine.



POWERING UP WITH A TWIST

You won't need to worry about directly managing the Newinbosch Renewable Energy system.

All you'll notice is that your DB (Distribution Board) will have switches for essential and non-essential usage, but Newinbosch Energy will automatically switch off non-essential items if necessary.

So it works much like regular electricity, but with the clever twist of using various energy sources to keep your lights on and your devices charged.

! During the hustle and bustle of construction, installation and the phased roll out of the system, there might still be some bumpy load shedding and load management days as we work towards reaching full capacity in the first phase.

BR BROADREACH
ENERGY

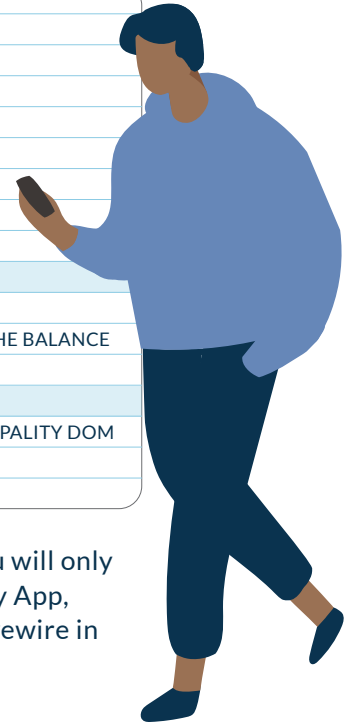
LESEDI
ENERGY ENGINEERING

newinbosch
ENERGY

WALLET-FRIENDLY RATES

! Your monthly bill will be comparable to that of a friend or family member living in Stellenbosch if you use the same amount of kWh per month. While your kWh rate is approximately 15% lower than that of the Stellenbosch Municipality, this reduction offsets the loss of energy involved in the integration of your solar geyser panels into the larger Newinbosch Energy microgrid. Check out the breakdown below:

READING COST R/PM	R119.65
BASIC CHARGE	R264.37
WHAT YOU PAY:	
• ENERGY RATE (R/KWH) (<= 50KWH)	R1.35/KWH
• ENERGY RATE (R/KWH) (51 - 300KWH)	R1.73/KWH
• ENERGY RATE (R/KWH) (301 - 600KWH)	R2.44/KWH
• ENERGY RATE (R/KWH) (> 600KWH)	R2.88/KWH
ESCALATIONS	
DATE	1ST JULY ANNUALLY
AMOUNT	BLENDED 6% P.A. ON PV USAGE AND MUNICIPAL INCREASE ON THE BALANCE
CAPS	
CAP	TARIFF STRUCTURE CAN NEVER EXCEED STELLENBOSCH MUNICIPALITY DOM 5 (OR ITS SUCCESSOR)



No need to juggle bills with both Stellenbosch municipality and Newinbosch Energy. You will only receive one bill from Newinbosch Energy for electricity through the Newinbosch Energy App, operated by Livewire, where you will purchase prepaid electricity. (Read more about Livewire in the utilities section, they will also be your go-to for water data and payments).

BROADREACH ENERGY

www.broadreach.energy

Broadreach Energy is an independent utilities solutions provider with a particular focus on green energy and sustainable solutions, bridging the technical and financial worlds of renewable energy.

Projects range from stand-alone solar photovoltaic plants in South Africa and Namibia to rooftop installations throughout Southern Africa. Broadreach has also financed and manages portfolios of energy efficiency and water treatment assets.

LESEDI

www.lesedins.co.za

With more than 25 years of providing engineering, maintenance services and technical resources to the South African market, Lesedi has extensive experience in the execution of turnkey engineering projects in the South African power industry. The company executes major power and industrial infrastructure projects. With a full complement of registered South African Professional Engineers, Lesedi allows the engineering, design and local approvals to be carried out in-house.

CONTACT

Curious about our electrifying energy setup?

Contact info@thebroadreach.com or 021 812 4730 for any questions or info you need.



Check out extra know-how on newinbosch.co.za/welcome-home

scan the code for more info

MAY 2024
SUBJECT TO CHANGE
SEE WEBSITE FOR REVISED VERSIONS

newinbosch.co.za