## NEOMOUY

Living e-bike since 2003

## EFOLDING



Ce manuel contient des instructions importantes pour la sécurité et le fonctionnement.

"Modèle conforme aux exigences de sécurité"



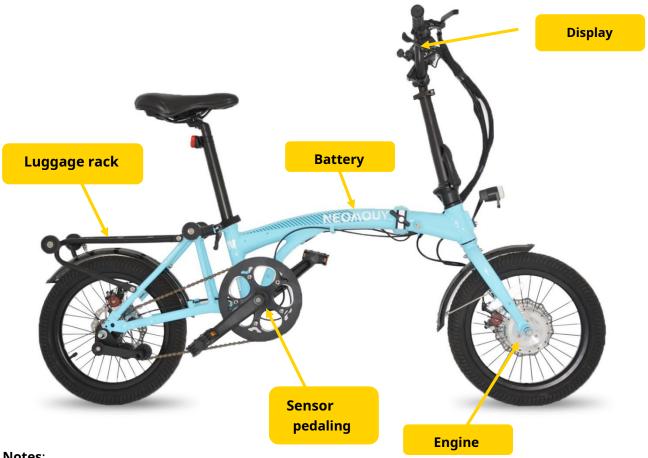
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## 1-PREFEELING

Thank you for choosing a NEOMOUV Electric Assisted Bike (VAE)



#### Notes:

- The sign indicates important advice, imperative safety measures. Follow them different instructions.
- Certain adjustment and assembly/disassembly operations require special tools and skills; only carry out these if you are experienced, otherwise consult your authorized dealer or a specialist.
- The sign indicates the tools you will need for adjustment operations.
- Your VAE has a serial number on the fork crown or near the bottom bracket







-VSMAXIMUM WEIGHT(BIKE INCLUDED): 120kg. PFOR YOUR SAFETY, YOU SHOULD NOT EXCEED THIS MAXIMUM LOAD WHEN'USING YOUR BICYCLE.



## 2- REGLASSES / ASSEMBLY

#### 2.1 Adjusting the saddle

-6mm Allen key

#### 2.1.1 Tilt

Loosen the nut under the saddle

Adjust the inclination of the saddle to obtain the position best suited to your comfort. Tighten the screw.



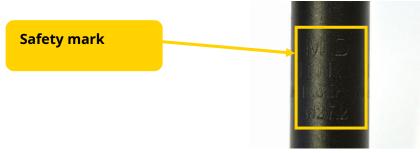
The electrically assisted bicycle allows a lower saddle position than on a conventional bicycle. Thanks to the electric assistance you exert less effort and you can sit lower for better safety. The required height of the user (cyclist) for optimal use of the bicycle is between 1.60 and 1.85 m.

Loosen the seat clamp clamp.

Sitting on the saddle with your feet wearing shoes suitable for cycling, place a pedal in the low position, place one heel on a pedal, the leg should fall normally without being stiff. Raise or lower the saddle to obtain the correct height.

Tighten the seat clamp.

-The seat tube must not extend beyond the engraved safety mark (vertical bars).

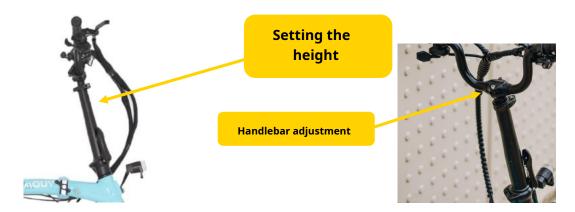


#### 2.2 Handlebar adjustment

-Allen key 5 and 6mm



To be comfortable, the position of your handlebars (handlebars) must be at least the same height as your saddle, or higher if you wish. Unscrew at the stem and handlebars to align properly.



#### 2.3 Brake adjustment

-5mm Allen key and 10mm key

The brake**Before**, disc, is operated by the left handle on the handlebars. The brake**back**, roller brake, is operated by the right handle on the handlebars.

#### **FRONT BRAKE**

Fully tighten the nut on the brake handle, this adjustment will allow you to compensate for the natural slack of the brake cable later.



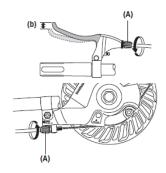
Loosen the cable clamp at the brake caliper. Position the cable in the cable clamp. Tighten the cable clamp (particular attention should be paid to each end of the sheath which must enter without forcing into the housing of each rigid end piece, on the brake handle side).

The brake is properly adjusted when the pads are at an equal distance from the disc. And that the disc does not rub on the pads for the front wheel.

You have checked your adjustment correctly when the wheel, rotating freely, stops smoothly.

#### **REAR BRAKE**

After checking that the wheel does not turn easily when the brake cable is pulled, press the brake lever about 10 times as far toward the handle as possible to break in the brake cable.

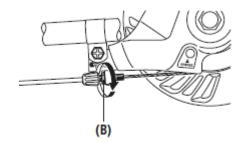




Turn the cable adjustment bolt (A) of the brake unit or brake lever so that there is 15 mm of play (b) (11 mm for BL-C6010) in the brake lever. brake (brake lever play is the distance between the position where the brake lever is not operated and the position where a force is suddenly

felt when the brake lever is pulled.)

After depressing the brake lever to check the braking performance, secure the cable adjustment bolt with the cable adjustment nut



-Caution: In rainy weather or on wet surfaces, the braking distance increases!

#### 2.4 Luggage rack

-Do not load your luggage rack more than the indicated value.

All carrying devices and other luggage installed by you on your luggage rack must be compatible with the geometric and strength characteristics of the bicycle.

-This type of luggage rack is not designed to tow a trailer.

Any modification made to the luggage rack by the user incurs his own responsibility.

When installing saddlebags, a user safety check is necessary (e.g. dangling straps, danger of getting caught in the spokes, fear of falling, stability of child seat attachment to be checked, risk of fingers being pinched of the child under the saddle, etc.).

When the luggage rack is loaded, changes in the behavior of the bicycle must be taken into account (wind stability, braking distances, change of direction, etc.) For their safety, the user must be aware of these changes in behavior .

The load on the luggage rack must be distributed on either side of it in order to ensure overall stability when traveling on public roads.

- -Periodically check the tightness of the luggage rack fixings.
- -The rear indicator light must not be obscured by luggage attached to the luggage rack or anything else.

#### 2.5 Assembly and disassembly of wheels

#### 2.5.1 Front wheel

**-VSTHIS OPERATION SHOULD BE CARRIED OUT BY A PROFESSIONAL, HOWEVER HERE IS THE PROCEDURE TO FOLLOW** -15mm flat key



Disassembly :

Disconnect the motor:





Loosen the nuts. Remove the wheel axle nuts and washers. Remove the wheel from the fork.

#### Assembly:

Insert the wheel axle into the right and left housing of the frame. Install the washers and wheel nuts. First tighten the nuts by hand until they make contact with the fork. Center the wheel in relation to the fork and mudguard. Check centering and positioning online.

Loosely tighten the wheel nuts on each side. Check the positioning again.

Tighten the wheel nuts alternately and gradually on each side. Reconnect the motor connection (the connector is equipped with a key).

#### 2.5.2 Rear wheel

**-VSTHIS OPERATION SHOULD BE CARRIED OUT BY A PROFESSIONAL, HOWEVER HERE IS THE PROCEDURE TO FOLLOW** -15mm flat key

#### Disassembly:

Remove the right and left wheel nut covers.

Loosen the acorn nuts on each side and remove the washers. Lift the bike and lightly tap the top of the tire to free the wheel. Detach the cable and sheath from the hub support

Detach the cable from its housing

Detach the sheath stopper from the hub by turning the cable 90°

Release the chain from the wheel sprocket, paying attention to the tilting of the chain. Remove the cable support from its housing.

Remove the cable fixing nut from its housing.

#### Assembly:

Reposition the washers on the wheel axle.

Lift the bike

Position the cable stop in its housing by turning the cable 90° Position the cable in its housing

Position the cable and the sheath in the hub support

Insert the wheel axle into the bottom of the fork dropout slot.

Check the positioning of the washers as well as the centering of the wheel. Tighten the wheel nuts.

Tighten the wheel nuts alternately and gradually on each side. If the wheel is not centered, loosen the nuts and repeat the operation.



#### 2.6 Lighting

Your bike is supplied with front lighting and back (examples), battery powered. Press the button located on the headlight and the light to activate the lighting.

#### 2.7 Folding the e-bike

Folding your VAE is done in 5 steps:

1. Fold the rear wheel





- 2. Lower the handlebars as low as possible
- 3. Fold the front part of the frame: unscrew the wing nut, position the closing part correctly in the rear triangle,









- 4. Fold the pedals (by pushing on them)
- 5. Fold the stem by pulling the handle







6. Lower the saddle

Particular attention will be paid to the reverse operation. Repositioning your bike in the road position must be done in the same way as folding it, but do not forget that you are responsible for this configuration: a check on your part is necessary, for everyone's safety. Under no circumstances can the manufacturer be held responsible for any incident or accident and the material or bodily consequences due to defective assembly carried out by the user (owner or not of the VAE).



## 3 - USE OF THE VAE

Press the button to**turn on the bike**. A green light lets you know if the bike is on. If the display does not light up, check this button.



#### 3.1 The change of gears

Your gear shift consists of a hub where the gears are located inside.

- Positions 1-2 "small development" for difficult hills and starts.
- Position 3-4 intermediate, to be used in normal situations;
- Position 5 "great development" which allows you, in easy conditions (slight descent, flat), to increase your speed;

The gear selector is located near the right grip on the handlebars. Turn the twist handle to choose one of 5 preset positions



#### 3.2 Changing support levels

Your bike is equipped with 6 levels of electronic assistance:

- 1 **Position 0**= no assistance.
- 2 **Position 1 and 2**= economic position. In these positions your VAE consumes less energy, however the power may not be sufficient to tackle a climb.
- 3 **Position 3 and 4**= average assistance position.
- 4 **Positions 5**= maximum position. In this position your VAE provides you with the greatest assistance and therefore consumes more energy.

In order to scroll through the assistance level, you must press the "+" or "-" buttons on the display.



#### 3.3 The display



**Start-up help**: Hold the button "-» to activate the walking aid.

**Support level:** Press the "+" Or "-» to change the support level (5 being the highest level).

#### **Speed/Mileage Information:**

Briefly press the "ON-OFF» to see the bike's mileage, average speed, maximum speed, distance traveled.

#### **Reset:**

Simultaneously hold the buttons "+" And "-» to access the settings. To push on "ON-OFF" to highlight "TC". To push on "+" Or "-» to choose "Y" ("yes"). To push on "ON-OFF» to save, then again to exit. Kilometers/miles mode:

Simultaneously press the "+" And "-» to access the settings. To push on "ON-OFF" to highlight "U". To push on "+" And "-» to choose the desired unit ("1" is the mile, "2" is the kilometer). To push on "ON-OFF» to save, then again to exit.

-It is strictly excluded to modify the original parameters of the display to modify the wheel size or the speed. Any change or intervention after leaving the factory will automatically result in the cancellation of the warranty.

#### 3.4 Electric assistance

#### 3.4.1 Functioning

Your Electric Assisted Bicycle is equipped with an electric motor, located in the wheel. This motor starts automatically (if the ignition is on and the battery is charged) when you pedal (except with walk assistance).

The assistance is activated by a pedal detector which cuts power to the motor when the pedal stops rotating, such as when you reach the speed limit of 25 km/h.



This principle allows the motor to give you its full power when you need it, and save battery power when you are going downhill or launched on flat ground.

These functions are carried out by an electronic box or "controller".

## -WE INFORM YOU THAT ACTIVATING OR STOPPING ASSISTANCE MAY RESULT IN ACCELERATION OR A SUDDEN DEDECLARATION.

#### 3.4.2 Performance:

The autonomy of your bike depends on several parameters:

#### **The weight carried:**

The performance of your bike is given for a user weighing 75 kg.

#### **The outside temperature:**

Performance is given at an outside temperature of approximately 20°C. Below this temperature performance varies and may decrease.

#### **A** Battery wear:

Provided it is properly maintained, your battery is designed to provide stable performance for 600 charge/discharge cycles (or an average use of 3 years). After these cycles, it is still operational, but its performance, and therefore your autonomy, decreases proportionally.

Also refer to the chapter dedicated to the battery.

#### **The nature of the route:**

Theoretical autonomy is for almost continuous use of the engine on flat or slightly undulating ground. If your route is flat and includes a percentage of descents (even slight ones), your autonomy is increased. If you go uphill, your range may decrease proportionally.

#### 3.4.3 Technical specifications of the assistance system:

Engine: Wheel - 250W 36V Battery:

Lithium Ion 36V - 245Wh

**Life cycle**: 600 complete charge/discharge cycles under normal charging conditions.

Autonomy: 30 to 50 km

(For a user weighing 75 kg at a speed of 18 km/h on a route in economical position).

#### 3.4.4 The electric motor:

Located in the wheel hub, it requires no maintenance on your part and benefits from a 2-year manufacturer's warranty. We advise you to have it serviced by an authorized dealer or specialist.

-Although it is designed to be water resistant, we<u>we advise against</u> to immerse it or to clean it with a high pressure jet.



## 4 - THE BATTERY AND CHARGER

#### 4.1 Battery



The battery supplied with your VAE complies with current standards. EllIt has a serial number and isassembled in a special container. We strongly advise against attempting to open or disassemble it. Any breach of the warranty label will ipso facto result in the cancellation of the warranty.

-Under no circumstances should you remove the battery from the bike. This operation must be carried out by a professional.

#### 4.1.1 Battery and performance of the VAE

The battery is a consumable component and has a limited lifespan: eventually, its capacity and performance will diminish, and it must be replaced. Battery aging can therefore contribute to changes in eBike performance. The battery gauge shown on the display is expressed in voltage.

#### **Battery performance optimization:**

Battery life is the length of time the e-bike can operate before needing to recharge the battery. "Battery life" is the length of time before you need to replace it.

It is linked to its "chemical age" which is composed of:

- From the passage of time
- The number of charging cycles (no obligation to completely empty the battery each time since there is no memory effect)
- The maintenance the battery received
- From the use of the bicycle: weight of the bicycle, the user and the equipment transported / mechanical condition of the bicycle (tire pressure, condition of the transmission) / pedaling cadence / relief of the route / outside temperature, etc.
- From the level of assistance chosen...

Battery efficiency decreases as its chemical age increases (follow the advice given in the manual to optimize battery performance and extend its life).

#### Chemical aging of the battery:

Chemical aging of a battery results in a reduction in the time elapsed before it needs to be recharged. This autonomy is sometimes called "maximum battery capacity".

When operation can no longer be ensured with the full capabilities of the power management system, with low load level, high chemical age or low temperatures, the



system performs a shutdown to preserve the electronic components. Although this shutdown is intentional from the device's perspective, it may be unexpected for the user.

When the battery reaches a sufficiently advanced chemical age, performance decreases and it must ultimately be replaced. To improve the performance of the VAE, it may be useful to replace the battery (contact an approved NEOMOUV dealer).

#### Maximum battery capacity:

Maximum battery capacity is a measure of the battery's capacity relative to its new condition. A battery will lose capacity as its chemical age increases, which can result in fewer hours of use between recharges.

A normal battery is designed to retain at least 70% of its original capacity after 2 years of use or 600 complete cycles under normal conditions of use and approximately 50% after 5 years (follow the recommendations of 'use).

#### 4.1.2 Precautions for use:

- Avoid any proximity to heat sources.
- Never leave the battery exposed to the sun for a long time.
- Never charge the battery in the rain or in a damp place.
- Never spray the battery directly with water or any other liquid.
- Do not immerse the battery.
- Do not expose the battery to temperatures above 40°C and below -20°C.
- Never drop the battery; place it in a stable place (- Be careful of the risk of short circuit and overheating in the event of shock to the battery).
- Never open the battery. Opening can cause significant risks of electrocution and voids the warranty.
- Avoid any short circuit on the charging connections.
- Use the battery only for what it is intended for.
- Never allow a child to play with or handle the battery.
- When not using the bike, store the battery in a dry, cool place at a temperature above 10°C and below 40°C.
- Never leave your battery completely discharged for periods longer than 3 days.
- If not used for a long time, recharge the battery every two months.
- Only use the charger provided to recharge your battery.

-WARNING: IF THE BATTERY IS USED TOO INfrequently (ONLY ONLY 1 TIME EVERY 2 MONTHS), THE CAPACITY OF THE BATTERY WILL DECREASE MUCH MORE QUICKLY THAN IN THE CASE OF REGULAR USE. THE ENERGY OF A BATTERY COMES FROM A CHEMICAL REACTION, WHICH NEEDS TO BE ACTIVATED REGULARLY ENOUGH IN ORDER TO MAINTAIN ITS EFFECTIVENESS.

-ATTENTION! You should not throw away your battery, your charger or any other electrical/ electronic component with your household waste. Electrical and electronic products contain hazardous substances that have adverse effects on the environment or human health and must therefore be recycled. A selective collection system for these products is in place, return them to your retailer.



#### 4.2 The 36V charger

The charger that comes with your bike complies with current standards. It has been specially designed to recharge the battery of your electric bike. It will fully recharge your battery in 4 to 5 hours depending on ambient temperature and battery wear. This so-called "slow" charging time is voluntary in order to preserve the life of your battery.

Its operation is simple: Fold the bike to plug the charger's output plug into the bike's socket and then, only afterwards, plug the plug into the mains.





A LED on the top of the charger indicates the battery charge level. It is red when the battery is charging and turns green once the battery is recharged.

#### 4.2.1 Precautions for use (safety instructions)

- Do not plug the charger plug into the mains with wet hands (danger of electrocution).
- Always ensure its compatibility with the local electrical network.
- Charge the battery in a ventilated area.
- Do not charge it in a humid environment or near a flammable or explosive product.
- Do not store the device hot.
- Do not charge a defective or dead battery.
- Do not leave it plugged in and its connections within the reach of children.
- Do not expose it to rain.
- Do not immerse it.
- Do not place any object on it or cover it.
- Take care of the input and output electrical wires.
- To protect it after a long charge (more than 24 hours), unplug the electrical connection and let the device rest in a dry, ventilated place.
- When charging is complete, disconnect it from the battery.
- Avoid leaving it plugged into the mains for more than 24 hours.

-WARNING: For your safety, it is forbidden to open the charger (risk of electric shock). Contact your NEOMOUV authorized reseller for any problem with the charger.

-For your safety, also see the pictograms on the back of the charger:





## 5 - TIPS TO INCREASE AUTONOMY

The battery that equips your VAE has a range of 30 to 50km for a user weighing 75 kg at an average speed of 18km/h on a route in an economical position.

- When the engine starts: adjust your assistance to a low position and choose a medium
  development on the derailleur. If your route is uphill, position the derailleur on the small
  development and use the "walking aid" position.
- **In traffic jams**: adjust the assistance to the low position and your derailleur to small development or medium development depending on the frequency of stops.
- **Hill start**: before stopping, adjust your derailleur in small development, adjust the assistance according to the hill.
- **Climb a stronger hill**: if you are going up a hill and the speed becomes too low, opt for greater assistance. You will then feel the attendance increase. If this is insufficient, position your derailleur on the small development (your energy consumption becomes higher and your autonomy will be reduced).
- **Non-stop route**: your route is obstacle-free (no red lights, traffic jams or countryside routes) so choose your assistance and adjust the derailleur to the main development. This way you can go faster while saving energy.
- **Downhill**: stop pedaling (freewheel) or pedal normally without effort by adapting your speed selection and let yourself carry gently.
- **For more autonomy**: start in low position. Once your bike is started, set the derailleur to the large development. Keep a constant speed, your autonomy will be greater.



## 6 - CARE AND MAINTENANCE

#### 6.1 **Interview**

To better preserve your bike, maintain it regularly:

- Check the brakes and replace the brake pads as soon as they are smooth. Clean your bike regularly using a sponge and soapy water.

  Do not use detergent or gasoline, or high pressure jet.

- Clean and grease the bearings every 6 months.

When cleaning your bike, remember:

- To clean.
- Rinse
- And dry the different parts of the bike, to remove stagnant water, thus avoiding early risks of corrosion.

#### 6.2 Lubrication

Lubricate lightly and regularly (approximately once a month): The chain

-Do not use lubricant on the surface of the rims or tires or on the front and rear brake pads..

#### 6.3 Maintenance

Like any mechanical component, a bicycle undergoes high stress and wears out. Different materials and components may react differently to wear or fatigue.

If the lifespan for a component has been exceeded, it may break suddenly, potentially causing injury to the cyclist. Cracks, scratches and discoloration in high stress areas indicate that the component has exceeded its lifespan and needs to be replaced.

Check the following points regularly:

- Wheel tightening
- Tire wear (replace the tire as soon as the wear indicator is reached) and adjust its pressure between 2.8 to 4 bars. The tires on your bicycle are compatible with the rim strips, no modifications need to be made, only appropriate spare parts (tyres, inner tubes, brake friction elements, etc.) need to be taken into account. Contact your dealer for more information.
- The condition of the rims and spokes (the rims must be smooth, without cracks, breaks or deformation. If you notice an anomaly, have them serviced immediately).
- Tightening the steering, pedals, saddle and luggage rack.
- -Due to its weight and the inertia due to the motor, plan the braking distances of your electrically assisted bicycle widely, especially in rainy weather.



## -CHECK THE CONDITION AND PROPER FUNCTIONING OF THE SIGNALING DEVICES AND CLEAN THEM IF NECESSARY WITH A DRY CLOTH.

# 7 - SESECURITYE - RECOMMENDATIONS

-If your electrically assisted bicycle is a bicycle suitable for use in town and for road trips, **do not use it as a mountain bike**.

On public roads, anyone riding a bicycle must respect and apply the requirements of the highway code of the country where they are located as well as the legal requirements concerning this type of transport (e.g. lighting, signage, wearing a helmet -recommended-, reflective device etc.).

## -Do not sit on the bike, when it is held by the stand, it risks breaking and causing you to fall suddenly.

Stay vigilant, do not linger on consulting the bike's display while you are riding. For your safety:

- Bicycle lighting is mandatory when traveling at night, or during the day when visibility is insufficient.
- Wearing a helmet is strongly recommended.
- Wearing a reflective vest is mandatory when driving at night, or during the day when visibility is insufficient.

## 8 - GIVEETECHNIQUES

#### **TIGHTENING TORQUES**

	PIECES	SLICE (Nm)
BRAKING	Brake caliper	Between 5 and 8
	Brake shoe	Between 5 and 8
	Brake cable screw	Between 4 and 7
	Brake lever screw	Between 3 and 7
PERIPHERAL DEVICES	Stem / Handlebar	Between 10 and 14
	Diver	Between 20 and 25
	Headset	Between 18 and 22
TRANSMISSION	Pedal / Crankset / Crank	Between 35 and 50
	Bottom bracket	Between 25 and 35
	Front/rear derailleur cable	Between 3 and 6
	Rear derailleur mount	Between 7 and 10
	Shifters	Between 2 and 3
	Freewheel	Between 30 and 35
SEATED	Saddle	Between 15 and 20
	Saddle stem	Between 5 and 7
WHEELS	Front / rear wheel	Between 27 and 35



-Please note: certain components have specific tightening torques indicated in a separate manual or directly engraved on the component itself.

#### **TECHNICAL SHEET**





## 9 - CERTIFICATE OF CONFORMITYE

Available on our website:www.neomouv.com/fr/telechargement/

## 10 - WARRANTY CONDITIONS

Any warranty is excluded in the event of (i) failure to pay the full price of the Product; (ii) normal wear or corrosion of the Products; (iii) color evolution over time; (iv) negligence or fault; (v) use of the Products not in compliance with the Manuals (in particular incorrect settings) and/or the Specifications and/or their intended purpose and/or the applicable regulations; (vi) failure to maintain the Product; (vii) modification or alteration, even minor, of the Product and/or its Specifications by a third party to NEOMOUV; (viii) combination of the Products with one or more elements not specified by NEOMOUV; (ix) intervention by a third party not authorized by NEOMOUV relating to a repair and/or any other operation on the Products; (x) use during sporting competitions or for professional use; (xi) opening an electronic component box (battery, screen, motor, controller, etc.); (xii) parts that are cracked, broken or show visible signs of impact; (xiii) a case of force majeure, (xiv) an apparent defect, (xv) modification or even minor alternation of any nature whatsoever of the electrical assistance limit of the VAE (unclamping). »

The Specifications are determined by NEOMOUV in accordance with applicable standards and its commitments. In particular, NEOMOUV is committed against the unblocking of VAEs. As such, the buyer understands and accepts that any modification or alteration, even minor, of the electrical assistance limit of VAEs (unclamping) is strictly prohibited, and is prohibited from carrying out this for any reason whatsoever.

For any information on guarantees, contact your store.





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### NEOMOUV

Z.I Ouest, Allée des Quatre Journaux 72200 La Flèche