

# eROAD

ADMINISTRATEUR CauticNetwork | 25/03/19

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eROAD is an innovative electrical road bike that achieves several feats by offering an innovative autonomous mode in the world of electrical bike. This innovation allows to keep on with the sporting spirit and ethics of an environmentally friendly road bike: in autonomous mode you can discover even more ambitious spaces using only the energy that you have produced and stored while rolling! [si vous souhaitez accéder à la version française du projet, veuillez vous rendre dans le projet eROAD\_FR]

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[HOW TO PARTICIPATE TO A STUDY](#)

[EASY TO READ eROAD PRESENTATION](#)

## eROAD, the electrical road bike

More and more eBikes are being produced everyday. Electrical Road bikes are offering a unique cycling experience than

eROAD achieves several feats by offering an innovative standalone mode in the world of electrical road bike. This innov

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*Above one of the eROAD "design" tracks, the appearance of which can still evolve*

### What is eROAD ?

eROAD offers a unique concept of 2-in-1 electrical road bike: a traditional road bike with a light and innovative design e

eROAD is configured for different cyclosportive uses thanks to its integrated bike console or mobile application:

- I. **Training** Mode, to prepare for a competition
- II. **Fitness** Mode, to stay healthy
- III. **Discovery** Mode, for the fun of exploring

In addition, these 3 modes eROAD also allows to manage assistance like most e-bikes by selecting one of the 4 levels of

When you use the electric module with the bike configuration, you can record its data and use it to improve your performance. eROAD bike with a personalized behavior.

By opting for the **autonomous mode**, you enter into a **playful and ethical** use by taking up the **challenge to use only the electric energy that you have produced and stored while cycling!**

eROAD is not necessarily an extra bike or a replacement for your traditional bike, but its "2-in-1" function (with or without the electric module).

## eROAD, who is it for ?

eROAD

offers a new cycling experience for all types of cyclists: from recreational cyclists to professional athletes, from casual riders to competitive cyclists, from those who want to improve their performance to those who want to enjoy cycling more.

According to these uses, **three starting configurations** are proposed and fully customizable.

## Want to train? Go into training mode !

You are an athlete who sets goals with a certain level of performance. eROAD will allow you to progress and achieve your individual goals by offering a program adapted to your personal goals:

1. Muscle strengthening
2. Explosive qualities
3. Recovery
4. Endurance
5. Change in rhythm
6. Vo2 Max

eROAD is **your training bike** when you use it with the engine and **becomes a 7 kg competition bike** when you remove the electric block to regain your muscular sensations.

In *autonomous* *Training* *mode*, you are faced with the challenge of going one step further by using only the energy you have produced.

## **Want To stay in shape ? Go in fitness mode !**

You are a regular or casual athlete and your goal is to maintain your fitness, your well-being, or get fit. eROAD will allow

1. Muscle tone
2. Joint mobility
3. Cardiorespiratory capacity
4. Caloric expenditure

eROAD **adapts its electrical assistance to your fitness level** and allows you to test yourself or regain muscle sensation when you remove the power unit.

In *autonomous Fitness Mode*, eROAD brings a sportive goal in your physical exercises and an eco-responsible dimension using your own energy.

## **Want to explore ? Go in discovery mode !**

You are a passionate or occasional cyclist wanting to practice as much as you can with your friends or go on an adventure alone??

eROAD allows you to follow the pace or length of demanding outings with your friends by optimizing:

1. The pleasure and the comfort
2. Distance according to electrical assistance
3. Guidance and security functions
4. Sharing, via social networks

eROAD is **a bike that you can share thanks to its modular side**. You will use it with or without assistance for you but it will also allow your family, friends or family members to follow

In *autonomous Discovery mode* eROAD recharges when you ride to accompany you further and manages a reserve mode to ensure you reach the end of

## eROAD, How does it work ?

eROAD is a versatile, reliable bike for cyclo sportive rides. It weighs about 7 kg without the electric block that can be removed in seconds. This block v

The engine is located in the hub of the rear wheel and the dosing assistance is controlled like a traditional electric bike with **four levels of standard assistances** :

- I. **Eco**: a little help to go far
- II. **Normal**: optimized distance and support
- III. **Dynamic**: a tonic and short ride
- IV. **Intense**: to arrive faster

*In addition, like other e-bikes, eROAD offers integrated front and rear lighting and the ability to charge the phone.*

## The application

eROAD is driven by an application that can be used both on the **handlebar console** and on its **smartphone** if desired. The parameters are synchronized whatever the medium:

1. Tire pressure control
2. GPS
3. Tachometer
4. Consumption (developed watts, power consumption, ...)
5. Warning light in case of problems (for dealer review)
6. Battery level
7. Timing (time, travel time, average ...)

## Usage profile

If you want a different setting from the Standard support, the application allows you to **choose the main profile** of your eROAD :

- I. **Training** Mode use
- II. **Fitness** Mode use
- III. **Discovery** Mode use

Thus, whoever uses your eROAD, the bike immediately adapts to his profile and his practice

## **Personalization of modes**

The app can **refine the settings** of these three modes to **completely customize the bike's behavior**.

<ol style="list-style-type: none"><li>1. Muscle strengthening</li><li>2. Explosive qualities</li><li>3. Recovery</li><li>4. Endurance</li><li>5. Changes in rhythm</li><li>6. Vo2 max</li><li>7. Muscle tone</li><li>8. Joint mobility</li><li>9. Cardiorespiratory capacity</li><li>10. Caloric expenditure</li><li>11. Comfort in use</li><li>12. Distance / power optimization</li><li>13. Guiding and safety functions</li><li>14. Sharing via social networks</li></ol>	
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## **Customized tracking**

The application also collects information on the live experience at each ride and find them online **for monitoring and analyzing the progression of the cyclist:**

1. Location (path)
2. Cadence of pedaling
3. Average, maximum speed
4. Distribution of the effort
5. Synchronization cardio-frequency meter
6. Training or fitness programs (coaching)

## **Social Network**

The application also offers a number of social **networking functions:**

1. Share your route with your cycling friends (tracks)
2. Share your performances on the courses
3. Share your interests on the courses (photos, tips, etc.)

## **Services**

The application also offers access to **additional services:**

1. Cartography / route / guidance
  2. Points of interest
  3. Network of battery charging relays and bicycle reception
  4. Weather
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## **The mobile app**

eTIME is driven by an application that can be used both on the **handlebar console** and on its **smartphone** if desired. The parameters are synchronized whatever the means used:

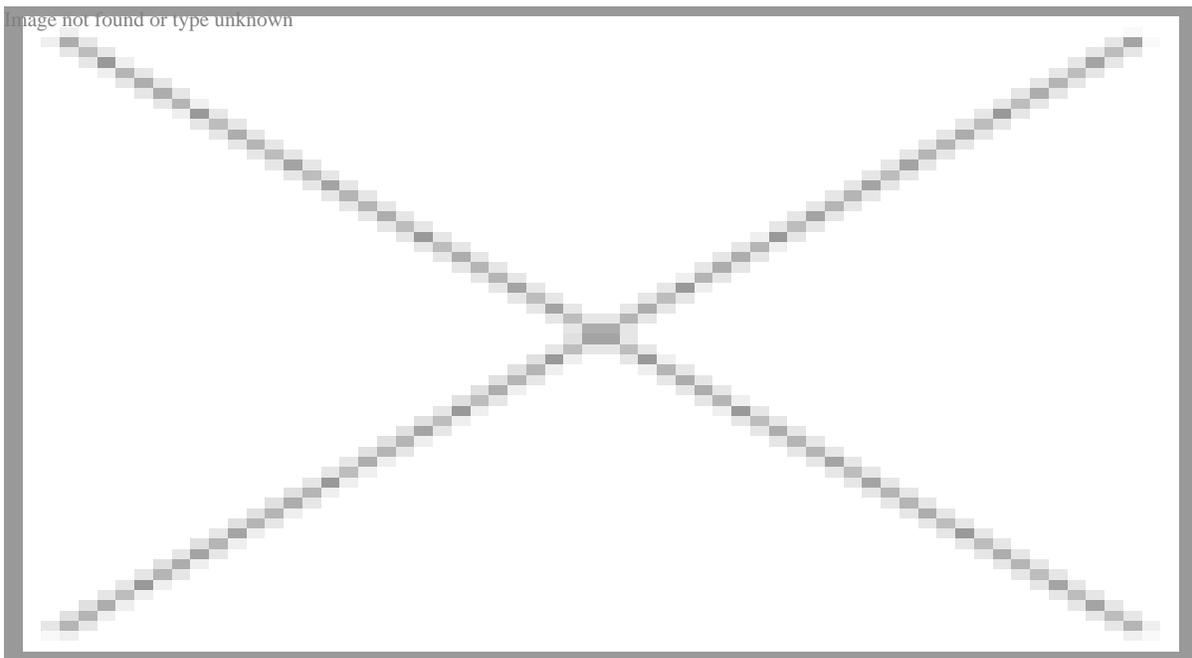
1. Tire pressure control

2. GPS
3. Counter
4. Consumption (developed watts, power consumption, ...)
5. Warning light in case of problems (for dealer review)
6. Battery level
7. Timing (time, travel time, average pace ...)

## Usage profile

If you want a different setting from the Standard support, the application allows you to choose the main profile of your e

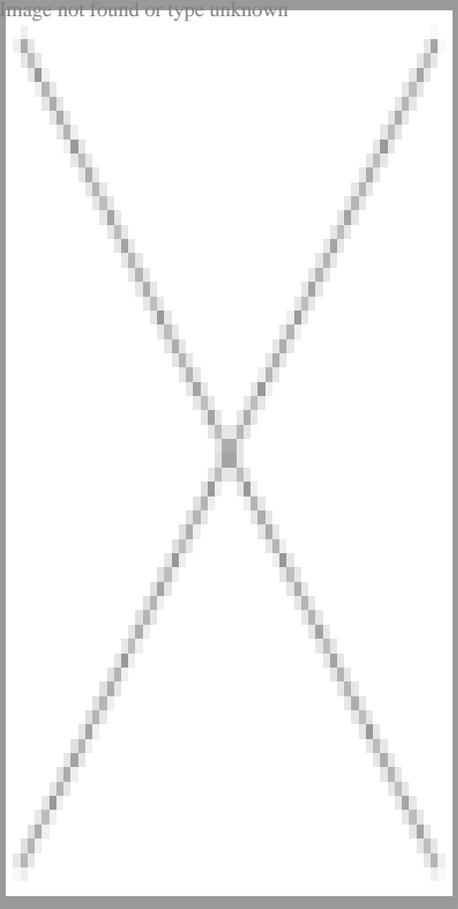
- I. **Training** mode, for competition purpose
- II. **Fitness** mode, to stay healthy
- III. **Discovery** mode, for the joy of a ride



Thus, whoever uses your eTIME, the bike immediately adapts to his profile and his practice

## Personalization of usage modes

The app can **refine the settings** of these three modes to **completely customize the bike's behavior**.

<ol style="list-style-type: none"><li>1. Muscle strengthening</li><li>2. Explosiveness qualities</li><li>3. Recovery</li><li>4. Endurance</li><li>5. Changes in rhythm</li><li>6. Vo2 max</li><li>7. Muscle tone</li><li>8. Joint mobility</li><li>9. Cardiorespiratory capacity</li><li>10. Caloric expenditure</li><li>11. Comfort in use</li><li>12. Distance / power optimization</li><li>13. Guiding and safety functions</li><li>14. Sharing via social networks</li></ol>	
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## Customized Tracking System

The application also collects information on the live experience of each ride and finds the online form for monitoring and analyzing the **progression of the cyclist**:

1. Location (path)

2. Cadence of pedaling
3. Average, maximum speed
4. Distribution of the effort
5. Synchronization cadence-frequency meter
6. Training or fitness programs (coaching)

## Social Network

The application also offers a number of **social networking functions**:

1. Share your route with your cycling friends (tracks)
2. Share your performances on the courses
3. Share your interests on the courses (photos, tips, etc.)
4. Participate in challenges and earn TIME points

## Services

The application also offers access to **additional services**:

1. Cartography / route / guidance
2. Points of interest
3. Network of battery charging relays and bicycle reception
4. Weather

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## The autonomous mode

eTIME offers a **functionality that is completely unique in the world** and reflects the sporting and ethical spirit of the eTIME brand. By selecting this mode of propulsion you enter into a more **playful and ethical**

use by taking up the challenge of using only the energy you have produced and stored while riding!

Of course, you'll never run out of juice: the mobile app will help you manage your energy and draw on the battery supply.

1. In **autonomous Training mode**, you are faced with the challenge of going one step further by using only the energy you have produced.
2. In **autonomous Fitness mode**, eTIME brings a sportive goal in your physical exercises and an eco-responsible dimension using your own energy.
3. In **autonomous Discovery mode**, eTIME recharges when you ride to accompany you further and manages a reserve mode to ensure you reach the e

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## The 2-in-1 bike

eTIME offers a unique concept of 2-in-1 electrical road bike: **a traditional road bike** with a light and innovative design **enriched with a removable electric module**, which allows a complete electric autonomy if desired.

eTIME is not necessarily an extra bike or replacement for your traditional bike but its 2-in-1 function (with or without assistance) can make it a **versatile main bike** for you or for those who will accompany you.

eTIME is **your training bike** when you use it with the engine and **becomes a 7 kg competition bike** when you remove the electric block to regain your muscular sensations.

eTIME **adapts its electrical assistance to your fitness level** and allows you to test yourself or regain muscle sensation when you remove the power unit.

eTIME is **a bike that you can share thanks to its modular side**. You will use it with or without assistance for yourself but it will also allow your friends or family members to follow you during your hardest rides. Without the power supply unit, the battery compartment can be used to store provisions or equipment.

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# The custom configuration

eTIME offers a renewed and improved cycling experience to all existing and new riders: ambitious athletes, those who are concerned about their well-being or those who have always been passionate about cycling.

The assistance setting is controlled like a traditional electric bicycle with four standard levels of assistance:

- I. **Eco**: a little help to go further
- II. **Normal**: optimized distance and assistance
- III. **Dynamic**: a tonic and short program
- IV. **Intense**: to be faster

Depending on the use, **three basic configurations** are proposed and **can entirely customized** or associated with each other:

- I. **Training** use, to prepare for the competition
- II. **Fitness** use, to stay in shape
- III. **Discovery** use, for the thrill of cycling

So, no matter who uses your eTIME, the bike immediately adapts to their profile and practice.

## Want to train? Go into training mode !

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