



PERS KIT *Catalogue*



June 2025

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This Catalogue shall provide you with an overview of the **PERS technology** and various drivetrain configurations. This will help you select the most suitable **PERS Kit** for your application, **pre-set or customized** to your needs.

Get started on the creation and integration of your new vehicle!

WELCOME TO CIXI FACTORY

We design and assemble our pedaling system at our factory in Poisy, Haute-Savoie, thereby contributing to the creation of local jobs and to the development of know-how and expertise in France and Europe.



NO GEAR
SHIFTING



MAINTENANCE
FREE



REGENERATIVE
BRAKING



CONNECTED



ANTI-THEFT
SYSTEM



SILENT



REVERSE MOTION
(3+ Wheels)



CLEAN



SMOOTH
PEDALING

PERS *CHAINLESS* PEDALING SYSTEM



Pedal at your own rhythm,
comfortably, whatever the speed and slope.

BENEFITS FOR RIDERS



NO GEAR SHIFTING

Simply select your cadence once, then enjoy the ride



SMOOTH PEDALING

Enjoy a new and intuitive pedaling experience



MAINTENANCE FREE

No more chain maintenance, nor cassette change. Save time & money effortlessly



REGENERATIVE BRAKING

Extend up to 25% your autonomy range, while increasing your braking pads lifetime



CLEAN

No more greasy stains. Keep your hands and clothes clean



CONNECTED

Get access to many connected features with an App, and customize your riding experience.



SILENT

Get rid of the noise from mechanical transmission



ANTI-THEFT SYSTEM

Unique embedded Lock/Unlock system



BENEFITS FOR MANUFACTURERS



DESIGN FREEDOM

Save time and gain freedom in geometry for vehicle creation and integration



RELIABLE

Up to 20% less components to manage compared to mechanical drivetrains



VERSATILE

Adaptable from light to powerful propulsion motors



REAL-TIME DATA

Access real-time diagnostics, statistics and firmware updates online



WHITE LABEL APP

Gain speed, time and benefit with a ready-to-go user app



SOLAR POWERED

System compatible with solar panel



TURNKEY

Ready-to-use solution. Single point of contact for your drivetrain / powertrain

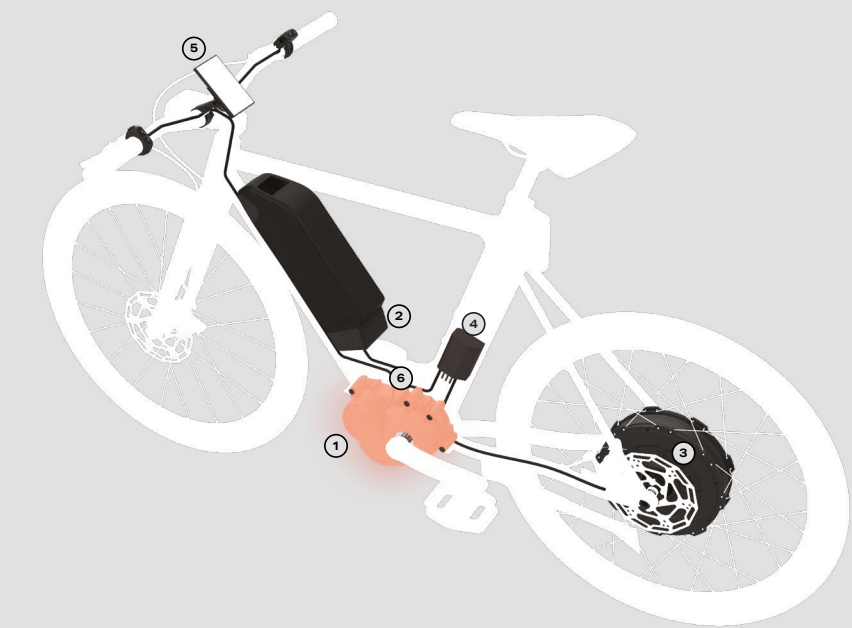


SIMPLIFY ASSEMBLY

Save time on critical geometrical adjustments

What is **PERS Kit** ?

A complete chainless powertrain, including all components necessary to motion and control your bike.



PERS kits are available for several applications Pedelec, S-Pedelec, Cargo etc...

- ① **PERS**
- ② BATTERY
- ③ PROPULSION MOTOR
- ④ MOTOR CONTROLLER
- ⑤ CONTROLS & DISPLAY
- ⑥ HARNESS - size tailored to your need

Our various **PERS-Kits**

Pedelec Downtube Kit

A simple, **versatile** drivetrain, perfect for 2-wheel pedelecs, light tricycles, and **everyday use**.

Pedelec Intube Kit

A sleek and **discreet** intube kit that blends seamlessly into 2-wheel pedelecs and light tricycles — perfect for **everyday urban use**.

Speed bike Kit

A **powerful and long range** speed bike drivetrain for daily commuting to get rid of a car.

Light Cargo Kit

A **powerful** drivetrain, ideal for 2-3 wheeler cargo bikes for **professional** delivery services or **large families**.

Heavy Cargo Kit

A **very powerful** drivetrain, for 3-4 wheeler cargo bikes, professional **heavy duty**, delivery services & **big payloads**.

PERS Standalone

Our **versatile** chainless pedaling system that **integrates easily** with your powertrain.

* Includes PERS, battery & motor propulsion.

Wheel drive	Battery number	Kit weight (kg)	Compatible certification
1	1	11,7*	EN15194
1	1	12*	EN15194
1	2	16*	L1eb
1	1	15,0*	EN17860
2	1	25,7*	EN17860
		3,5	EN17860/ EN15184/L1eb/ L1ea/L2e

Pedelec Downtube Kit

A simple, versatile drivetrain, perfect for 2-wheel pedelecs, light tricycles, and everyday use.

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Certified
EN15194

Client examples



x1 PERS by CIXI

3,5 kg
ISIS standard

x1 Pedelec motor

75 Nm / 250 W cont. - 800 W
max
4.5 kg
135mm OLD

x1 Pedelec motor Controller

L 99 x W 52 x T 28mm (mm)

x1 Modular Wire Harness CIXI

Customized & robust

x1 Battery downtube

700 Wh
3.7 kg
Charger & Accessories

x1 Cockpit by CIXI

GEN 1, vertical Pedelec
4" screen
Double remote

Pedelec Intube Kit

A sleek and discreet intube kit that blends seamlessly into 2-wheel pedelecs and light tricycles — perfect for everyday urban use.

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Certified
EN15194

Client examples



x1 PERS by CIXI

3,5 kg
ISIS standard

x1 Pedelec motor

75 Nm / 250 W cont. - 800 W
max
4.5 kg
135mm OLD

x1 Pedelec motor Controller

L 99 x W 52 x T 28mm (mm)

x1 Modular Wire Harness CIXI

Customized & robust

x1 Battery intube

720 Wh
4 kg
Charger & Accessories

x1 Cockpit by CIXI

GEN 1, vertical Pedelec
4" screen
Double remote

Speed bike Kit

A **powerful and long range** speed bike 45 km/h drivetrain for daily commuting to get rid of your car.

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x1 PERS by CIXI

3,5 kg
ISIS standard

x1 Speed-bike Motor

85 Nm / 1840 W cont - 2420 W
max 4,1 kg
Multi OLD - Thru axle

x1 Pedelec motor Controller

L 210 x W 55 x T 39mm (mm)

x1 Modular Wire Harness CIXI

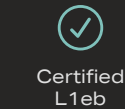
Customized & robust

x2 Battery intube

2 x 704 Wh
2 x 4 kg
Charger & Accessories

x1 Cockpit by CIXI

GEN 1, vertical Pedelec
4" screen
Double remote



Client examples



Light Cargo Kit

A **powerful** drivetrain, ideal for 2-3 wheeler cargo bikes, designed for **professional** duty, delivery services or **families with many kids!**

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x1 PERS by CIXI

3,5 kg
ISIS standard

x1 Cargo Motor

111 Nm / 250 W cont - 1000 W
max
5,1 kg

x1 Controller Cargo

L 99 x W 52 x T 28mm (mm)

x1 Modular Wire Harness CIXI

Customized & robust

x1 Battery Rack

720 wh LFP long lifetime
6.4 Kg
Charger & Accessories

x1 Cockpit by CIXI

GEN 1, vertical/horizontal cargo
4" screen
Double remote incl. Turn signal



Client examples



Heavy Cargo Kit

A **very powerful** drivetrain, ideal for 3-4 wheeler cargo bikes, designed for professional **heavy duty**, delivery services & **big payloads**.

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x1 PERS by CIXI

3,5 kg
ISIS standard

x2 Cargo Motor

222 Nm / 250 W cont - 2000 W max
Up to 250 kg axle load
Interface for spokes or solid rim
10.2 Kg

x2 Controller Cargo

L 99 x W 52 x T 28mm (mm)

x1 Modular Wire Harness CIXI

Customized length of cables & robust

x1 Battery Cargo Pack

1440 Wh LFP long lifetime
12 Kg
Charger & Accessories

x1 Cockpit by CIXI

GEN 1, vertical / Horizontal
Cargo
4" screen
Double remote inc. Turn signal



Certified
EN17860

Client examples



PERS Standalone

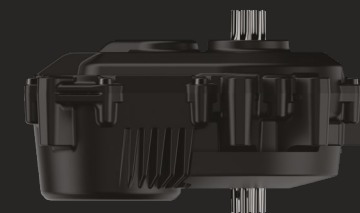
A **versatile** chainless pedaling system that **integrates easily** with your powertrain.

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PERS by CIXI

96.20mm x 208.80mm x 162.96mm
Max torque : 185 Nm
Max speed : 100 Rpm
Efficiency : Higher than 80%
Weight : 3.5 Kg

Max power : 613 W
Max continuous power : 360 W
48V
CAN communication
IOT box embedded



Compatible
EN 17860/EN15194/
L1eb/L1ea/L2e



x1 Cockpit by CIXI

GEN 1, vertical
4" screen
Double remote

x1 Harness UI

For CIXI Cockpit

Comparative PERS-Kits table

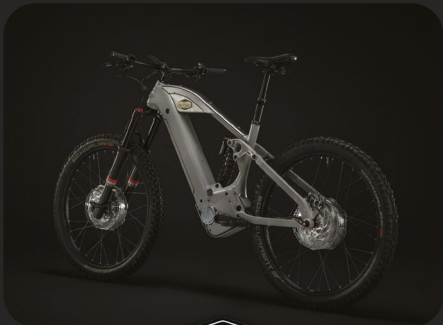
	Compatible certification	Performances	Wheel drive	Propulsion motor	Harness	Battery number	Battery	Cockpit
Pedelec Downtube Kit	EN15194	Torque max 75Nm Energy 698Wh	1	Pedelec motor	CIXI Harness	1	Downtube	CIXI COCKPIT (cargo/pedelec)
Pedelec Intube Kit	EN15194	Torque max 75Nm Energy 704Wh	1	Pedelec motor		1	Intube	
Speed bike Kit	L1eb	Torque max 85Nm Energy 2x704Wh	1	Speed-bike motor		2	Intube	
Light Cargo Kit	EN17860	Torque max 111Nm Energy 720h	1	Cargo Motor		1	Pack/rack	
Heavy Cargo Kit	EN17860	Torque max 222Nm Energy 1440Wh	2	Cargo Motor		1	Battery Cargo Pack	
PERS Standalone	EN17860/EN15194/ L1eb/L1ea/L2e	Your own powertrain components						

Collaborations

Powered by CIXI



omni



ATELIER
HERITAGEBIKE



GALIAN



CAMINADE



Flevobike
TECHNOLOGY

Contact our team



Alexander KOLL
PERS DACH Lead

alexander.koll@cixi.life
+43 (0) 664 4363347



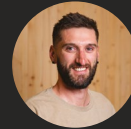
Florian DES GARETS
PERS International Sales Lead

florian.desgarets@cixi.life
+33 6 24 96 66 41



Nicolas KESSLER
PERS Business Unit Lead

nicolas.kessler@cixi.life
+33 7 62 05 83 78



Maurian MARNAY
PERS Sales Development

maurian.marnay@cixi.life
+33 7 81 67 29 81

more info at

in [cixi.life](https://www.cixi.life) 



THE **PATH** IS THE OBJECTIVE