

PERS CHAINLESS

PEDALING SYSTEM

PERS KIT Catalog 2026



Powered by
CIXI



Welcome to Chainless,

a world of possibilities.

This catalogue provides 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.

Powered by CIXI

VIGOZ

An active vehicle to pedal up to 120 km/h comfortably, safely and intuitively.
Designed & Developed at CIXI.
Discover more: cixi.life/active-vehicle-vigoz



Up and running

CIXI Factory



We design and assemble our **PERS** Pedaling System at our 2.800 m² factory in Poisy, Haute-Savoie, thereby contributing to the development of know-how and expertise in France and Europe.

PERS CHAINLESS PEDALING SYSTEM



CLEAN – SMOOTH PEDALING – CONNECTED



NO GEAR SHIFTING – MAINTENANCE FREE – REGEN BRAKING – REVERSE MOTION – ANTI-THEFT

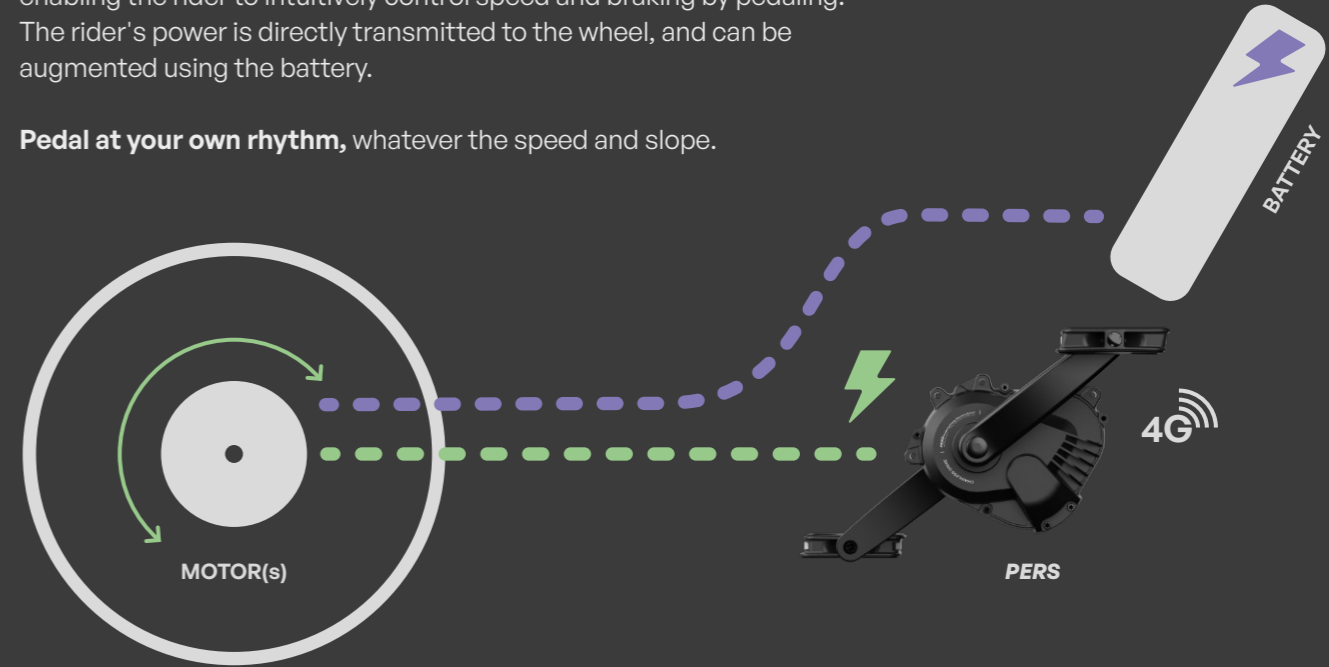


Discover more
cixi.life/pers-technology-pro

How does it work?

The **PERS** converts human power into bicycle propulsion through electricity, enabling the rider to intuitively control speed and braking by pedaling. The rider's power is directly transmitted to the wheel, and can be augmented using the battery.

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



Why Chainless?

DESIGN FREEDOM
Save time and gain geometric freedom 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.

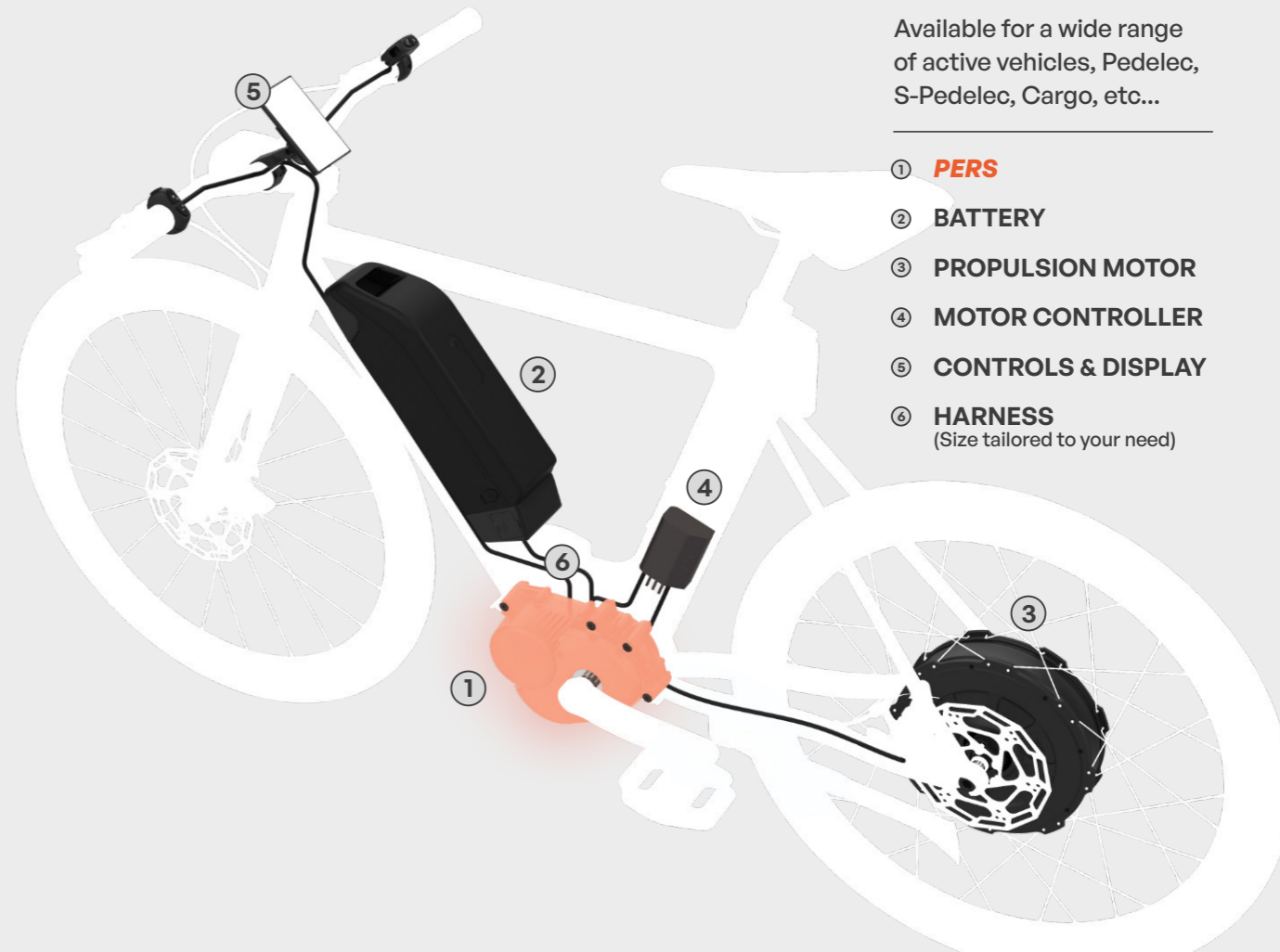
REAL-TIME DATA
Access real-time diagnostics, statistics, and firmware updates online.

SIMPLIFY ASSEMBLY
Save time on critical geometrical adjustments.

PERS KIT, a solution for every professional

What is a **PERS KIT**?

A complete chainless powertrain, including all the necessary components to move and control your active vehicle.



Available for a wide range of active vehicles, 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*

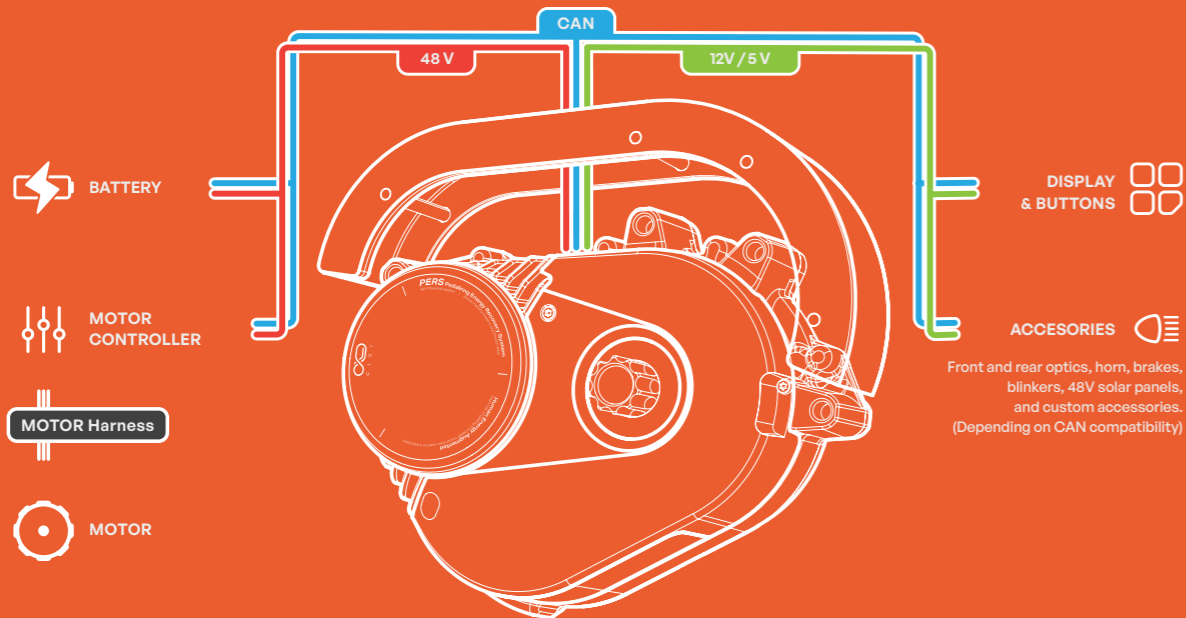
	Wheel drive	Performance	PERS KIT weight (kg)	Compatible Certification
PERS Standalone		Your own powertrain components	3,7 <i>(PERS Only)</i>	EN17860/EN15194/ L1eb/L1ea/L2e
Pedelec Downtube kit	1	Torque up to 85 Nm Energy up to 700 Wh	11,7	EN15194
Pedelec Intube kit	1	Torque up to 85 Nm Energy up to 710 Wh	12	EN15194
Trike Dual Motor kit	2	Torque 2 x 50 Nm Energy 700 Wh	15,5	EN15194
Cargo Dual Motor Kit	2	Torque 2 x 111 Nm Energy 1440 Wh	25,7	EN17860
Cargo e-Axle Kit	2	Torque max 315 Nm Energy 1440 Wh	38	EN17860



Select the most suitable **PERS KIT** for your application, pre-set or customized to your needs.

PERS Standalone

An **open and versatile** technology that **integrates easily** with your powertrain.



Technical specifications

Max. Torque	185 Nm
Max. Speed	100 Rpm
Efficiency	Higher than 80%
Power peak	2000 W
Max. Continuous Power	360 W

Connectivity

Bluetooth + 4G⁺
CAN Communication
IOT Box Embedded

Dimensions

Width	96,20 mm
Length	208,80 mm
Height	162,96 mm
Weight	3,7 Kg



Compatible
EN 17860 / EN 15194
L1eb / L1ea / L2e

Pedelec Downtube Kit

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



x1 PERS
3,7 kg
ISIS Standard

x1 Modular Wire Harness CIXI
Customized & Robust

x1 Pedelec motor (Geared/Direct)
Up to 85 Nm
4,5 kg
135mm OLD / Thru axle

x1 Battery Downtube
Up to 700 Wh
3,7 kg
Charger & Accessories

x1 Pedelec motor Controller
L 99 x W 52 x T 28 (mm)

x1 Cockpit by CIXI
GEN 1, vertical Pedelec
4" screen
Double remote



Certified
EN 15194

Applications:



Pedelecs



Longtail cargo



Tricycles



Handbikes

"When innovation meets boldness, something powerful happens. This partnership with CIXI isn't just about new tech, it's about rethinking how we move."

Xavier Wagnier
Ateliers Heritage Bike Founder



Ateliers Heritage Bike ▶
Heritage Origine
Chainless Powered by **PERS**
FR

Pedelec Intube Kit

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



x1 PERS
3,7 kg
ISIS Standard

x1 Modular Wire Harness CIXI
Customized & Robust

x1 Pedelec motor (Geared/Direct)
Up to 85 Nm
4,5 kg
135mm OLD / Thru axle

x1 Battery Intube
Up to 710 Wh
4 kg
Charger & Accessories

x1 Pedelec motor Controller
L 99 x W 52 x T 28 (mm)

x1 Cockpit by CIXI
GEN 1, vertical Pedelec
4" screen
Double remote



Certified
EN 15194

Applications:



Pedelecs



Longtail cargo



S-Pedelecs



Light Cargo

Ultima Mobility ▶
Fleet Platform
Chainless Powered by **PERS**
FR



Trike dual motor Kit

A **performant and compact** kit with a downtube battery that blends in with stable vehicle frame, perfect for **trekking and off-road use**. 3-4 wheeler compatible.



x1 PERS

3,7 kg
ISIS Standard

x1 Modular Wire Harness CIXI

Customized & Robust

x2 Pedelec motors (Geared)

2 x 50 Nm
2 x 5.5 kg
Single sided

x1 Battery Downtube

700 Wh
4 kg
Charger & Accessories

x2 Pedelec motor Controller

L 61.5 x W 36.5 x T 23.5 (mm)

x1 Cockpit by CIXI

GEN 1, vertical Pedelec
4" screen
Double remote



Certified
EN 15194

Applications:



Tricycles



Trike cargo



Powered by CIXI

Trike Dual Motor

"A major step forward in innovation for the recumbent trike community, offering a fresh and exciting experience. We believe this could redefine what's possible in the trike industry. Our customers and riders are going to love it!"
Phil Zschiesche
 ICE Head of Marketing



Pedelec Downtube Kit

ICE trikes ▶
 ICE Sprint X - Sport Recumbent Trike
 Chainless Powered by **PERS**
 UK

Cargo dual motor Kit

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



x1 PERS
3,7 kg
ISIS Standard

x1 Modular Wire Harness CIXI
Customized & Robust

x2 Cargo Motors
2 x 111 Nm / Up to 400 kg axle load
Interface for spokes or solid rim
10.2 kg

x1 Battery Cargo Pack
1440 Wh LFP long lifetime
Charger & Accessories
12 kg

x2 Controller Cargo
L 99 x W 52 x T 28 (mm)

x1 Cockpit by CIXI
GEN 1, vertical / horizontal cargo
4" screen
Double remote incl. Turn signals



Certified
EN 17860

Applications:



3-wheel cargo



4-wheel cargo



Heavy cargo



Intermediate Vehicles

Flevobike ▶
GoLo Cargobike Platform
Chainless Powered by **PERS**
NL

"CIXI was the only company to meet our high standards. Riding the GoLo is pure pleasure; the **PERS** takes care of everything: moving forward, braking, reversing. Working with CIXI is very pleasant; they listen and implement ideas quickly."

André Vrielink
co Owner, Flevobike Technology



Cargo e-Axle Kit

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



x1 PERS
3,7 kg
ISIS Standard

x1 Modular Wire Harness CIXI
Customized & Robust

x1 e-Axle
315 Nm / Up to 800 kg axle load
Standard 4-point fixation wheel
22.5 Kg

x1 Battery Cargo Pack
1440 Wh LFP long lifetime
Charger & Accessories
12 kg

Optional: 2nd battery available upon request.

x1 Controller Cargo
L 140 x W 81 x T 47 (mm)

x1 Cockpit by CIXI
GEN 1, vertical / horizontal cargo
4" screen
Double remote incl. Turn signals



Certified
EN 17860

Applications:



Heavy duty cargo



Intermediate Vehicles

"Through our partnership with CIXI, we've created a robust platform for urban logistics; Less wear, more efficiency, and a better and more powerful driving experience for professional use."

Stefan Rixmeyer
Managing Director of Radkutsche

Powered by CIXI



Radkutsche Cargo Bikes ▶
Musketier Heavy Duty Cargo
Chainless Powered by **PERS**
DE

PERS Digital Connectivity

Develop your business, stay connected with your riders, and improve their experience.

CIXI SUPPORT

A tool to stay connected with your riders & enhance the aftersale experience.



Vehicle - PERS Association



Tutorial videos to guide you



Maintenance diagnostics in real-time



Riders' & PERS Statistics (Requires client's opt-in)

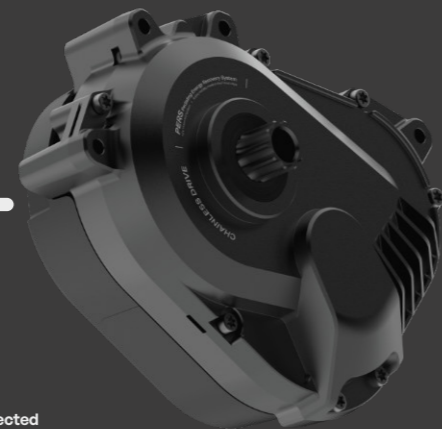
PERS FIRMWARE UPDATES
API MANAGEMENT - FLEET MANAGEMENT



For any after-sales inquiries:
+33 2 55 99 53 28

Available from Monday to Friday
9h00 - 12h30 and 13h30 - 18h30.

support.cixi.life



All PERS are connected to CIXI's cloud via a 4G chip. This links every user, building a large community of active vehicles ranging from bikes and intermediate vehicles to the VIGOZ.



made easy.

ACTIVE PILOT

A companion that makes your chainless e-bicycle an active part of your lifestyle by combining safety, sharing, wellness metrics, and more. We make movement convenient, accessible, and seamless for everyone.



Safety

Efficiently lock your bike with a digital key, a PIN code. Get movement alert & geolocate your bike.



Sharing

Generate extra keys for your family and friends, or start earning by creating dedicated rental keys for your bike.



Wellness

Embrace your progress in mind and body, and follow your journey toward a more active, balanced life.

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PERS DOCUMENTATION CENTER

REQUEST ACCESS

For product information, datasheets, 3D files and more.

cixi.life    

CIXI
Mobilité Active