



## En Route

*Embrace asphalt, white land, paths, trails  
Glean leaves, petals, pebbles, landscapes*



This bike was designed and made on the occasion of the exhibition "Bicyclette(s)" to demonstrate its theme « Faire des Vélos ».

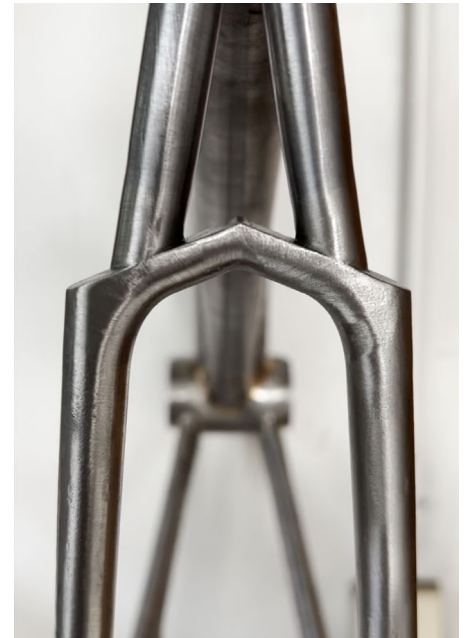
Batspad / En route is a high-end bike, that combines the highest handmade quality with the best of technology, in a quest for durability, local fabrication and innovation.

This is a light versatile bike, as comfortable on the roads as on the trails, for extended trips or urban commutes. It is slightly assisted to keep riding even when our muscles may give up on us.

## Electric just enough



Batspad / En route is a lightweight e-bike (less than 13kg) powered by a Mahle Ebikemotion X35, an electric drivetrain from the Spanish Basque Country. It is made up of a rear wheel motor and an integrated 250W battery into the downtube. This solution makes it possible to create an electric bike that is almost similar to a «muscular» version in its appearance as well as in its riding feel (no vibrations, smooth assistance, cranks spacing and standard drivetrain) and that is easy to «pedal».



## Making a bike in Europe

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Batspad / En route is mainly made in Europe and France, in order to optimize resources and limit long shipping routes.

Its frame is made-to-measure in France with aerospace-quality steel tubing made in Longeville by Osborn Metals. These very thin wall chromium-molybdenum steel tubes give it lightness, comfort, rigidity, and durability.

Batspad / En route is mainly equipped with European and French manufactured components: Mavic aluminium rims; Aivee wheel hub and Mach1 spokes all made in France; some stainless steel 316L 3D printed parts made by Sculpteo; Hutchinson tyres made close to Montargis; an Ingrid drivetrain, machined and assembled in Fossobrone, Italy; and Hope

brakes made in Barnoldswick, United Kingdom.

Mechanical compatibility, which represents a significant part of the art of bicycle development, made it necessary to choose shifters from the American brand SRAM, the same company that had acquired Sachs, Maillard and Huret and is now producing in Taiwan.

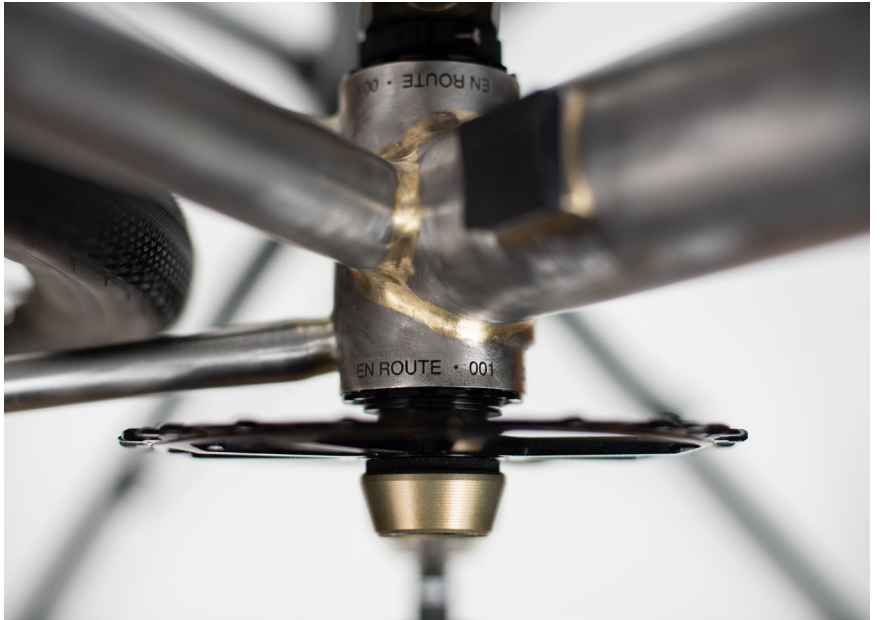


## A design laboratory

Bastpad / En route is a bike that offers an elegant design, details and finishes, assuming the location and conditions of its production. This design laboratory, allowed us to evaluate the difficulties and opportunities and challenges of bicycle manufacturing in France and Europe.

Bastpad / En route is project by NoDesign in collaboration with Services Généraux.

Special thanks to: Avalanches Cycles, Osborn Metals, Sculpteo, Mavic, Look, Hutchinson



# Technical specifications

<b>Frame</b>	Osbron Metals Chromium-molybdenum steel and stainless steel 316L 3D printing. Handmade brazing and TIG welding.
<b>Fork</b>	WR Compositi carbon fiber with internaly routed hydraulic brake hose
<b>Stem</b>	Machined 7075 Aluminium, with internal cable routing, custom design by NoDesign
<b>Headset</b>	FSA HS NO.13/12B/44 ICR 1.5" custom
<b>Handlebar</b>	Salsa Cowbell
<b>Handlebar ribbon</b>	BBB gravel ribbon
<b>Bottom Bracket</b>	Rotor T4730 Internal
<b>Crankset</b>	Ingrid CRS-POP 40T
<b>Cassette</b>	SRAM PG1130 11-42
<b>Shifters</b>	SRAM Force CX1
<b>Brakes</b>	Hope RX4+ Hydraulic Brakes
<b>Discs</b>	Galfer Wave Ø160mm
<b>Rims</b>	Mavic A1022, Aluminium, 32 holes
<b>Strokes</b>	Mach1 Inox
<b>Tyres</b>	Hutchinson Override 35 mm
<b>Saddle</b>	Brooks Cambium C17
<b>Seat post</b>	Miche Reggisella
<b>Electric Powertrain</b>	Mahle X35
<b>Battery</b>	Mahle 250W



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Nodesign.net, founded by Jean Louis Frechin and joined by Angelo Chiacchio and Loïc Le Guen, is an independent design and innovation agency based in Paris, who researches new strategies, services, complex interfaces, connected products, urban and cultural projects.

Our holistic and global approach is based on the ability to propose strategic visions and to transform contemporary challenges into formal and useful products.

Our multi-sector culture allow us to tackle complex issues in a creative and humanistic way. Our work is a quest for meaning, values, simplicity and emotions.

More pictures on request

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