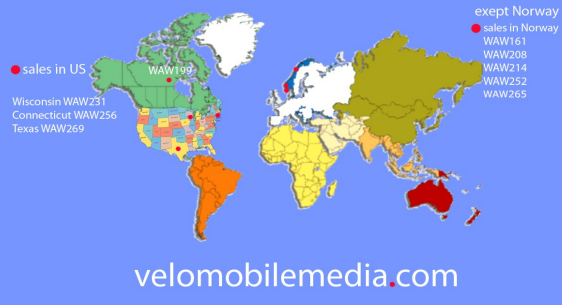
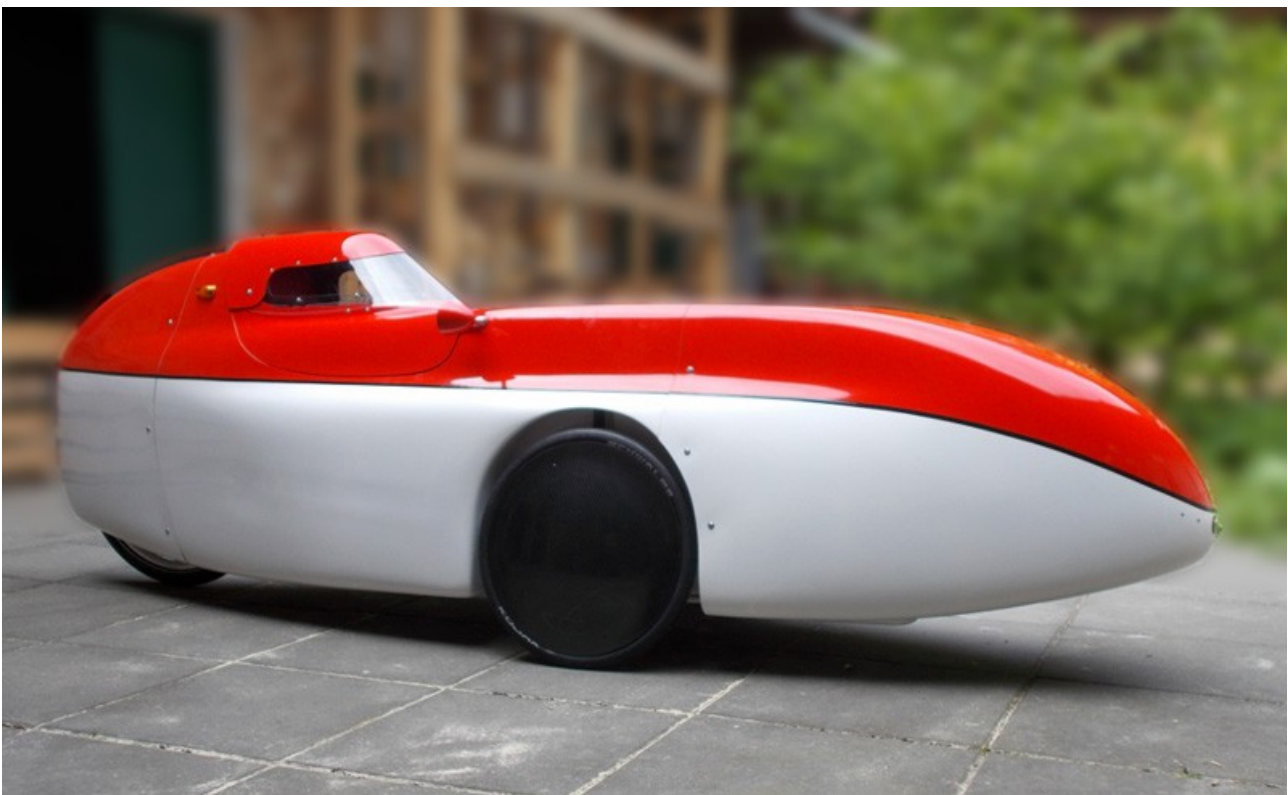


World distributor for WAW velomobiles without Europe



Presentation WAW velomobiles



The WAW velomobile is produced by Katanga in Brno, Czech Republic. The WAW is a fast, weather proof and practical velomobile. Angled front wheels and low point of gravity makes it very quick to maneuver and gives good handling in bends. The construction is self bearing (monocoque) and very solid.

WAW comes in many configurations on customers demand. The standard types are: WAWXL for riders up to 190cm, 3 fairing materials: Glass fiber, Kevlar and carbon fiber. E-WAW is delivered with electric assist, which makes the commuting very simple in hills.

We recomend the Kevlar version as standard. For extra light and stiff body, the carbon fiber is perfect. Carbon fiber is recomend for fast commuting using only pedals.



The WAW has colored gelcoat, and can be delivered in standard colors or custom on demand (RAL codes).

We can deliver any RAL code blended in the gelcoat, only metallic has to be painted on top in addition, will add some more weight and cost.

RAL Chart Standard Colors WAW velomobile



9003



9001



1023



2004



3028



6018



5015



3005



Exteriors



WAW256 with SPAI (ventilation in nose), wheel covers in carbon fiber, race hood, aerodynamic tail.



Mini visor for head out driving.



Racing cap in ventilation modus.



Aerodynamic tail with locking ring Blinkers, rear light and braking light on the tail.



Aerodynamic mirrors with LED daylight and blinkers



SPAI/Ventilation opening with 2 beam headlight LED blinkers and daylight integrated in the nose



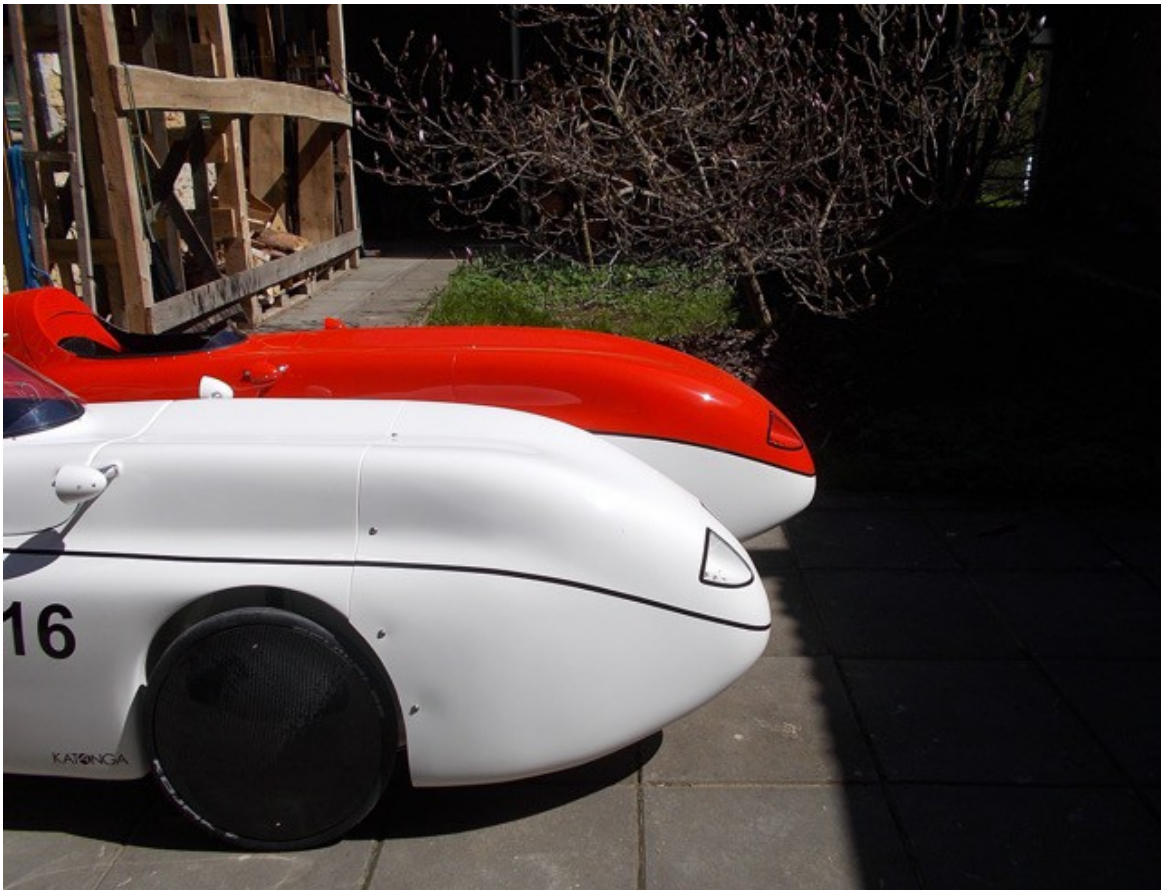
Racing hood attachment and aerodynamic mirrors. Acoustic felt for sound damping.



Race cap open for entrance and ventilation at stops/traffic lights etc. Visible carbon fiber wheel caps etc.



Rear chain and derailleurs protection (black). Recommended for winter/muddy conditions.



Long and compact nose, optional with integrated headlights.



Rear suspension is a new feature on [WAW@2016](#). Gives better grip on uneven roads, more comfortable.



Connection and shock absorber mounted outside the body.



New integrated Bauch&Müller headlights, led blinkers.

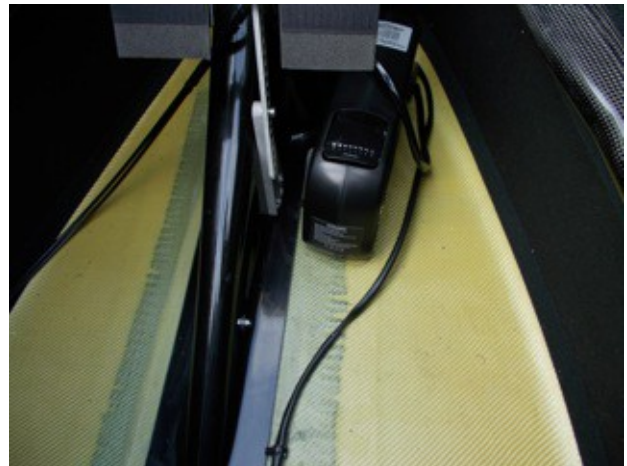


Improved steering geometry for better stability, new precise fitting bearings.

INTERIOR



Detail of acoustic lining, hinged mesh seat(Ventisit), steering handle with brake and gear shifter <http://rohloff.de> Driving computer.



Left steering handle with light controls and horn. Placement of battery for E-WAW behind seat



GPS/Phone holder and driving computer



Lockable driving battery for E-WAW.



Driving perspective, mini visor mounted.

ELECTRIC ASSIST



WAW256 velomobile equipped with Bafang Electric assist. 250W /25 km/h,
Lithium ION 24V - 15 Ah battery



Front crank with 155mm crankarms



Trouseguards outside chain wheel (50t).



Bafang motor connected to front crank with free wheel, makes pedaling with or without motor assist possible. Programable speed limiter according to local restrictions. Delivered with 25 km/h setup (EU standard).

Gear setup

Standard: 3x9 SRAM Front: 50-40-30 Rear cassette: 11-34 Fast, light and simple setup, easy to get parts locally.

SRAM Dual 3x9 All gears in rear, 3 in hub, 9 on cassette (derailleur).



Rohloff 14 hub gears Very solid, adds a bit weight. Low maintenance, long lasting. 16T rear cog. <http://rohloff.de>



See reversed CAD animation here:

<http://www.rohloff.de/en/technology/speedhub/striptease/index.html>

Schlumpf Mountain Drive 2,5:1 Solid planetary gear for heavy climbing



Mountain Drive with 65t (1:1), gears down to 26t (2,5:1). Gear shift with the heel, shift button in the crank.



Mountain Drive with torque arm (recommended).



Planetary gear internal.

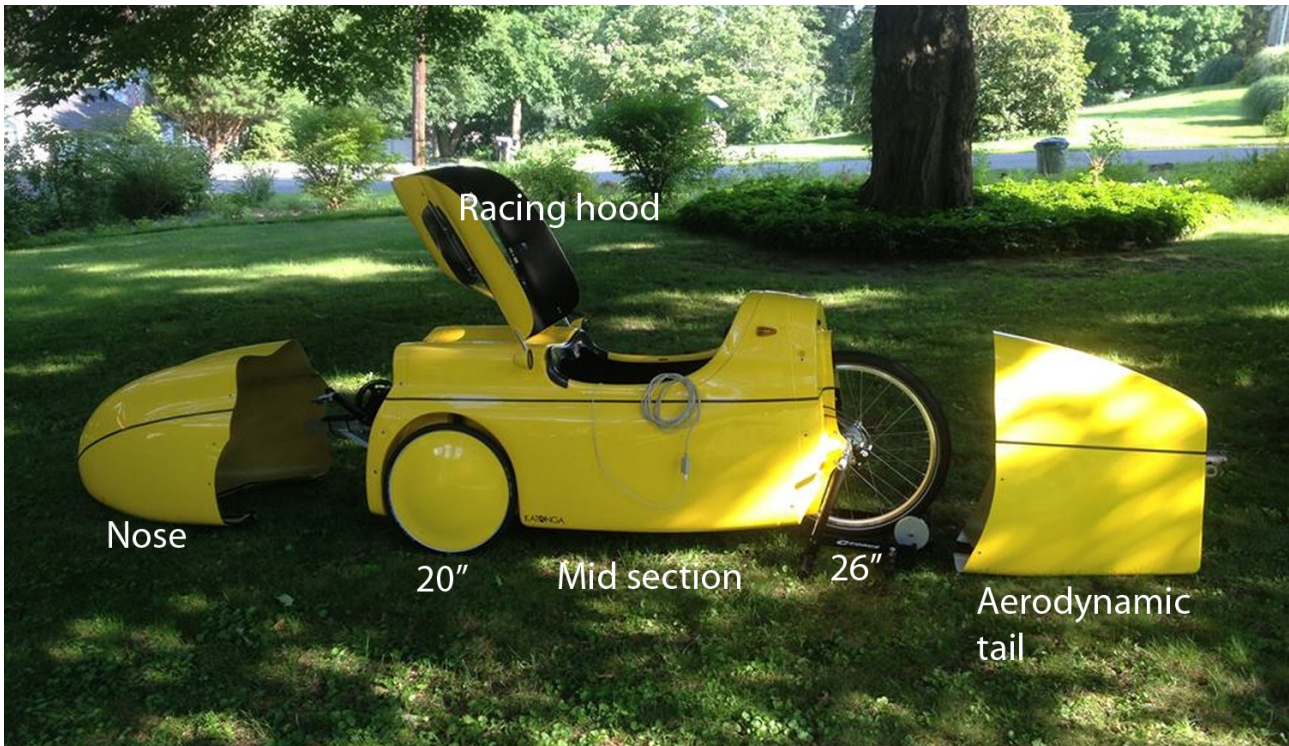
155 mm crank arms recommended for better space for feet and legs.

NB: The Mountain Drive can not be used in combination with electric motor or Rohloff, due to high torque in Mountain Drive modus/low gear.

Best solution for Mountain Drive is a combination with 9 speed MTB cassette rear.

65t in front and 11-34 rear gives both high speed and good climbing.

WAW velomobile technical presentation



WAW has a carbon safety frame enveloped in tough aramid (kevlar) fibre supports a wide track, low centre of gravity and sidewind stability to make the WAW the safest cycle.

With its meticulous composition of carbon and kevlar, the WAW is by far the lightest street safe velomobile: ranging from 24kg for the ultra-light version, around 28kg for a commute vehicle, to 33kg for a hybrid bio-electric version.

Length: 2.80 m Width: 0,75 m Height: 0,9 m.

Suited for people from 165- 190 Weather proof race hood can be removed for head-out biking.

Wheels front: 20 inch with 90 mm. Sturmey Archer drum brakes or disc brakes.

Wheel back: 26 inch. Suspension front, Ackermann steering, steering rods. Angled wheels for better turnings. Nose and tail can be detached for easy transport.

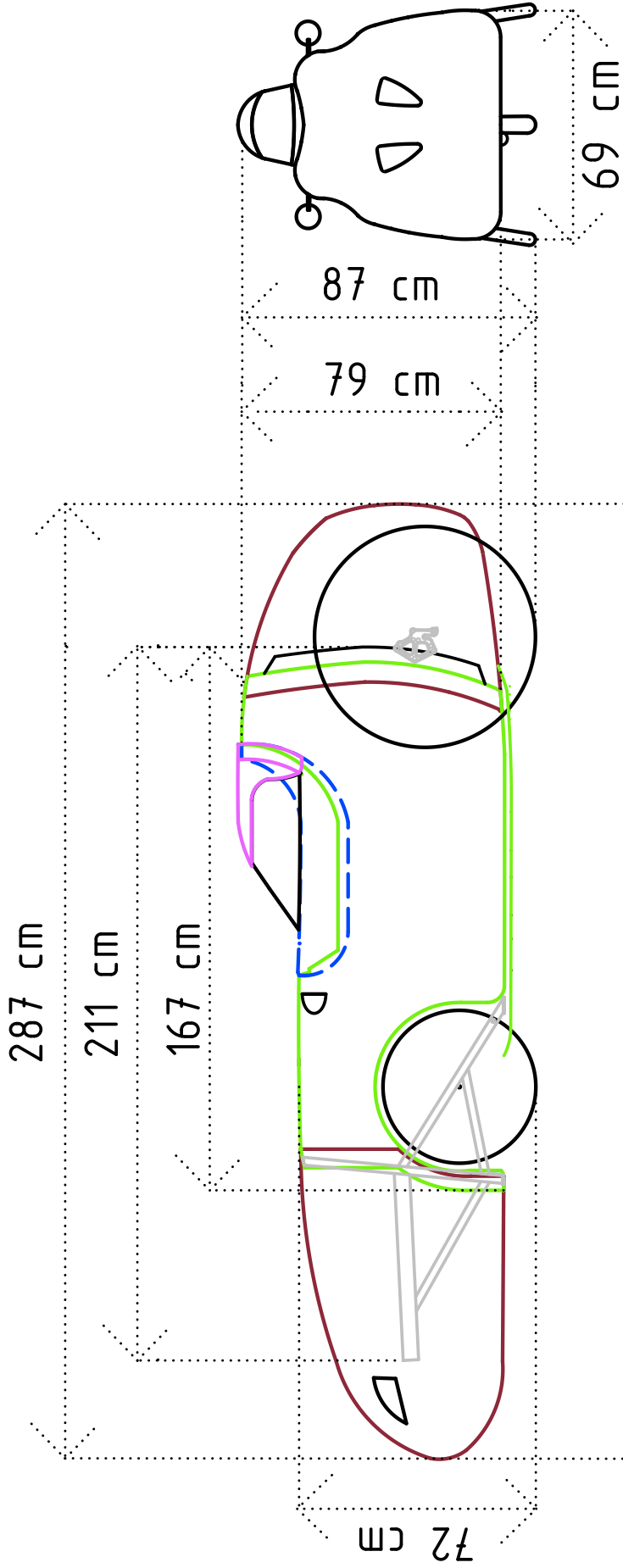
Nose with SPAI air intake for ventilation and keeping aerodynamics. Nose with lid for easy access to front gear and for light luggage. Seat in carbon fiber and kevlar, space behind seat for luggage, goods etc. Pedals with SPD/combi. (Bicycle shoes is recommended).

Textile lining inside body for acoustic damping. Aerodynamic foot hole cover

Integrated Electric System including LED turning lights front and rear, LED beam Philips Saferide, Rear LED light with brake function, electric horn, battery pack and charger (or converter in EWAWs) Colors: choice between one standard gelcoat color: white, cream, yellow, orange, red, green, blue or black. Reflective strip on the sides: white, red, orange, black.

EWAW: Pre-mounted kit for electric assistance including 250W Bafang middle-motor, 24V 15 Ah LiFePO4 battery pack, bag and loader for battery, throttle.

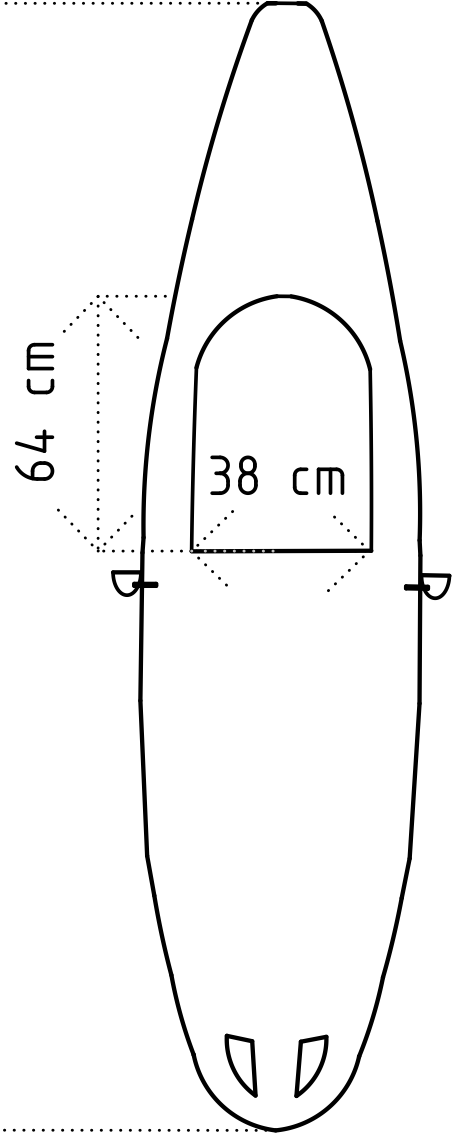
Two color combination or full visible carbon fiber body. Ventilation hole/ SPAI Stagnation Point Air Intake. Driving: Easy to learn, be careful not to move the steering rods to quick to avoid wobbling or tipping over in bends. Careful driving in other bike/pedestrian environment, long and low nose, can hit pavement sides/ramps and poles /fences etc. Use flag to be more visible in traffic. For renting out: Some basic driving instructions needed, standard gearing setup is very easy to use. Can get a very high speed, so velomobile drivers requires some experience with high speed biking.



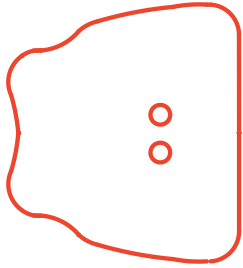
KATANGA

WAW dimensions

22.01.2016

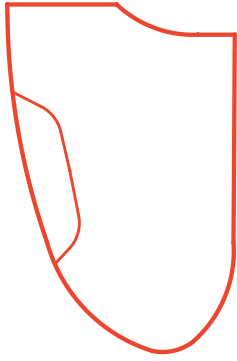


without SPAI head lights
next to another



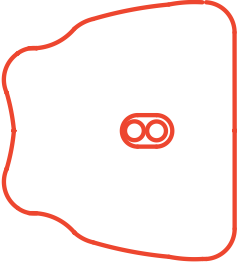
N1

option: nose with lid



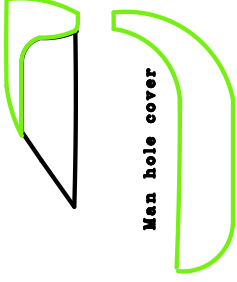
N1 Standard size without integrated head lights

with SPAI head lights
on top of another



head lights

Racehood



Man hole cover

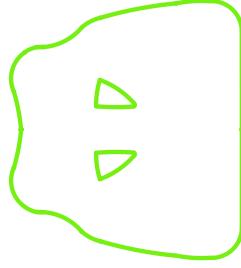


+ 45 cm

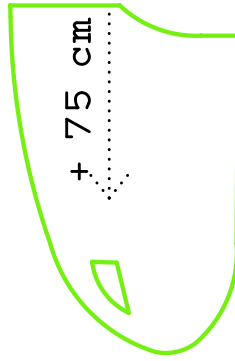
T1

T1 Standard round

With or without small SPAI

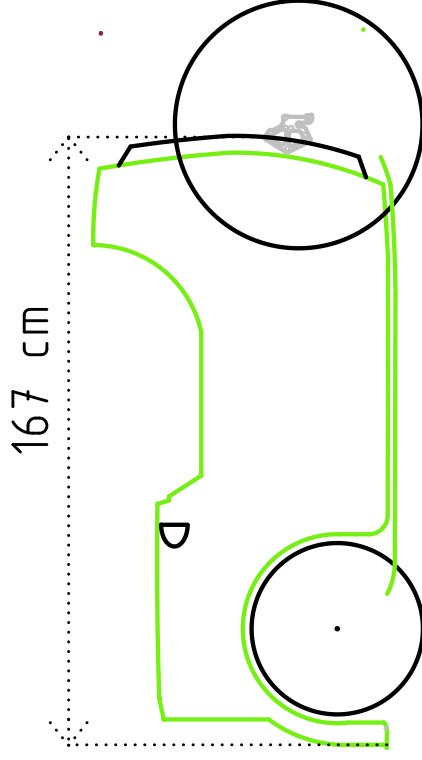


N2

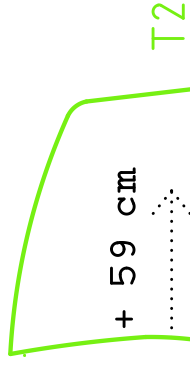


+ 75 cm

N2 Standard size with integrated head lights



167 cm

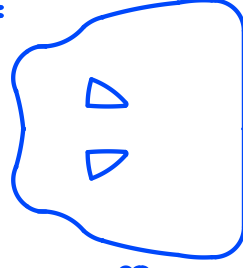


+ 59 cm

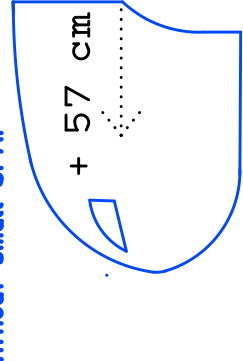
T2

T2 Straight aero

With or without small SPAI



N3



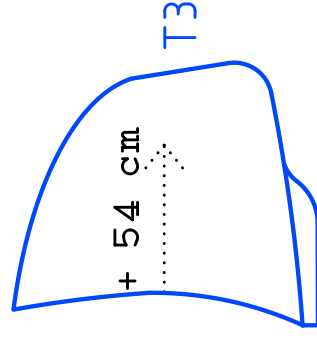
+ 57 cm

N3 Compact size with integrated head lights

CHOICES IN FAIRING WAW@2016

www.katanga.eu

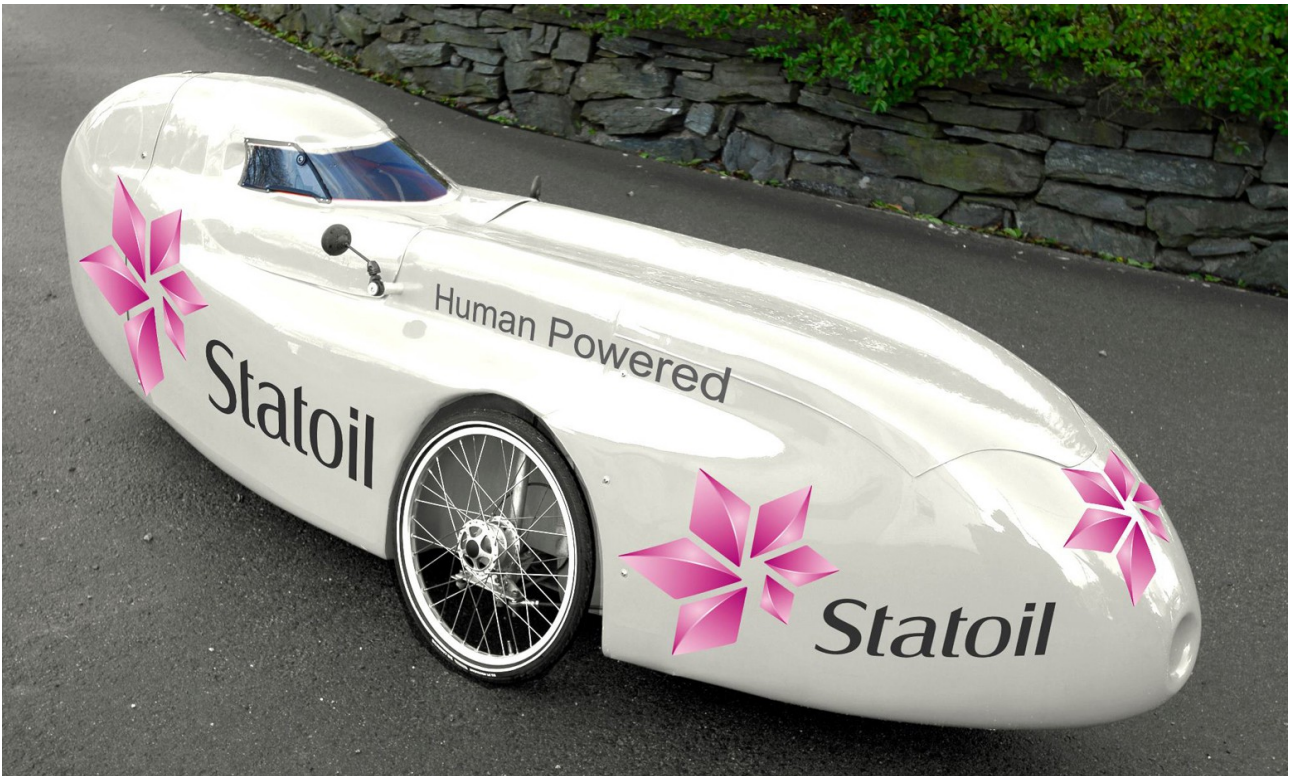
14.04.2016



+ 54 cm

T3

T3 for rear suspension with integrated lights



The WAW velomobile is a perfect vehicle for advertising, it gives very much attention and a positive eco-friendly profile. WAW promotes human powered transport and will give your company a nice green profile on personal commuting.

You can promote your company, and also use parts of the velomobile for advertising for your products.

See a video about the WAW here: <https://youtu.be/00KegTUZgl8>

How to order:

1: Customer gets a pricelist with recommended options. (Exampel price: 8000 €)
Customer add/change options after own preference.

2: Skype call/walk through the options, questions and answers.
Temporary agreement on options/price/delivery time.

3: Production number on the WAW, payment of invoice 1: 30% of total price.
Payment recieved, production starts (approx. 3 months production time).

The last 70% of the invoice is payed before shipping.

Thank you

All the best from

Anders Loberg

Manager Velomobile Media

anders@velomobil.no <http://velomobilemedia.com>

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