

Elan *Human
Power Team*

Team Presentation

Push it to the limit – anything is possible

+144 km/h



**Maximum speed over 144 km/h,
on a bicycle?**

- Only with human power?
- On a flat race track?
- Without slipstream?
- Unbelievable?

Maybe for you – not for us!

HPT?

The **H**uman **P**ower **T**eam

We want to push the records of human powered vehicles to the limits. More specifically we are aiming at the 200 meter flying start (battle mountain record) and the 1 hour standing start record for female and male riders.

Our bike is a fully faired recumbent bike prototype made out of lightweight and stiff carbon fibres.



Our team is subjected to the restrictions of the WADA (world anti-doping agency).

TEAM

Hans van Vugt - Head of Human Power-Team

- Designer of Velo XS
- Organisation of events
- Pushing the bike performance to the limit

Ellen van Vugt - Rider of the Human Power-Team

- Participating in recumbent races since 2000
- World & European champion
- Winning BeND race series from 2002 to 2005
- Setting up first world record in 2004

Matthias König - Rider of the Human Power Team

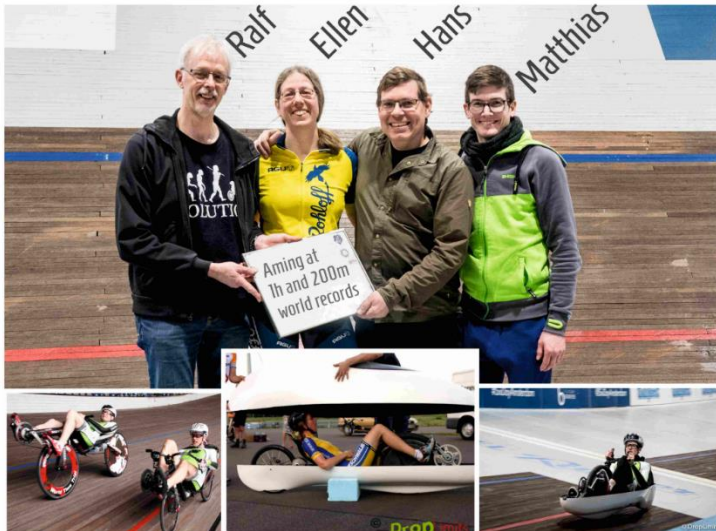
- Participating in recumbent races since 2004
- 3 times World champion in unfaired category
- Setting up first world record in 2013
- Organisation committee of BeND race series

Ralf Golanowsky – Organizational Development & Public Relations

- Participating in recumbent races since 2001
- Winning partly faired category of DLC and BeND
- Organisation committee of BeND race series

Edwin Poorte – Innovation & Development

- Innovation management
- Development management



RESULTS

Ellen
van Vugt

Elan *Human
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World record **6h** fully faired (IHPVA) **67.3 km/h** (404.04 km) 2015

Dutch record **1h** fully faired **80.5 km/h** 2015

World record **6h** fully faired (IHPVA) **56.4 km/h** (338.7 km) 2010

World record **6h** fully faired (IHPVA) **50.2 km/h** (301.0 km) 2009

World record **200m** unfaired (WRRRA) **54.042 km/h** (13.322 s) 2009

World record **1000m** unfaired (WRRRA) **45.013 km/h** (1:19.97 min) 2008

World record **1h** fully faired (IHPVA) **68.97 km/h** 2004

RESULTS

Matthias König

World record **1h** unfaired (WRRR) **57.637 km/h** 2016

World record **1h** unfaired (WRRR) **56.185 km/h** 2016

World record **6h** multitrack & fullyfaired (IHPVA) **62.9 km/h** 2016

World record **6h** multitrack (IHPVA) **61.97 km/h** 2015

World record **100 miles** unfaired recumbent (WRRR) **46.67 km/h** 2014

World record **6h** multitrack (IHPVA) **60.74 km/h** 2013

German record 200 meter fullyfaired flying start (IHPVA) **127 km/h** 2018



1h World record, Frankfurt-Oder 2016



6h World record, Aldenhoven 2016



200m German record, Battle Mountain 2018

GOALS 2018 2021

2018

- 200 m flying start test runs during the speed weeks in Battle Mountain – Nevada (+126 km/h german men's record). ✓



2019

- Developing and building of a new camera-assisted recumbent bike based on the former Velox XS to improve the efficiency of the bike.
- 200 m flying start during the speed weeks in Battle Mountain – Nevada
+134 km/h european men's record
+121.81 km/h world women's record

2020-21

- 200 m record attempt during speed weeks in Battle Mountain – Nevada
(+144.17 km/h world men's record)
- 1h record attempt
+93 km/h world men's record
+84 km/h world women's record



MEDIA

We regularly publish our successes in the local and Germany-wide newspapers. Besides the news are also widespread in the social media. Our team is well connected with recumbent riders all over the world.

For more information about have a look at

www.humanpowerteam.com

Almost all record attempts using recumbents are summarized on this homepage.

www.droplimits.com

CNN

<https://edition.cnn.com/2018/11/17/health/fastest-human-powered-bike-fit-nation/>

Fabel-Weltrekord auf Radrennbahn in Frankfurt/Oder

57,6 km/h! Matthias König knackt jahrzehntealten Stundenrekord von Chris Boardman

Teilen



Matthias König auf der Radrennbahn in Frankfurt/Oder

www.droplimits.com

Sonntag, 18.09.2016, 19:16

Dem Radsport-Amateur Matthias König ist in Frankfurt/Oder ein Fabelrekord über eine Stunde gelungen: Der Doktorand aus Osnabrück fuhr mit einem Spezialrad einen Schnitt von 57,6 km/h. Damit hat er sogar den 20 Jahre alten inoffiziellen Weltrekord des britischen Rennradprofis Chris Boardman gebrochen.

Source: Focus Online

JOIN US
SUPPORT US

**Success starts
with a good
conversation!**

Our Sports Club can provide donation receipts for tax purposes.

Sponsors are welcome

You like what we are doing?

You like to be part of our team?

Perfect!

Join us and support us.

We will spread your engagement over our media work.

Your logo can be presented at our

- Homepage
- Bike surface
- Team clothing
- Your events
- ...

How do you can support us?

- Finances
- Traveling costs
- Technology
- Training support
- ...

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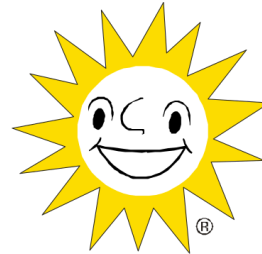
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SUPPORTER



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Die **SPIELMACHER**

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Elan Human Power Team

Support Team



Sports Club



Recumbent Race Team



Organizational Development



Innovation Methods

Glaswerke
haller

Glass Technology



CFK Technology



Bicycle Parts



Droplimits Network



Wheels



Mindmapping Software



Polish & Wax