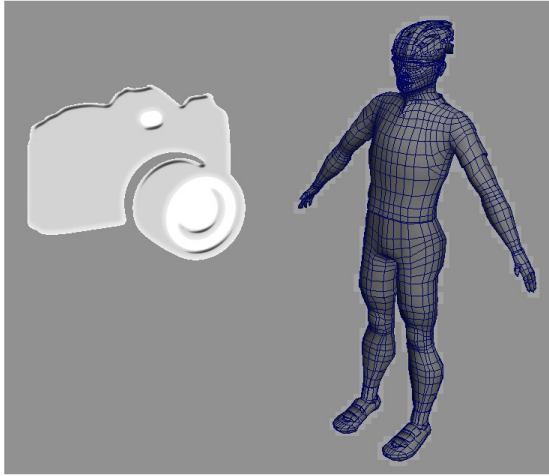
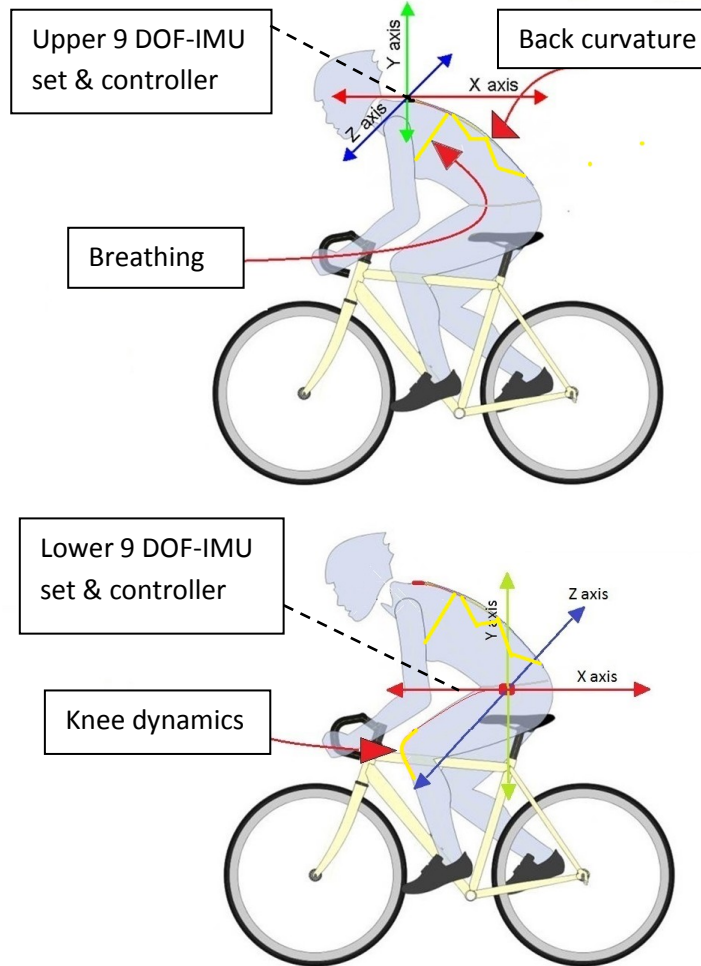


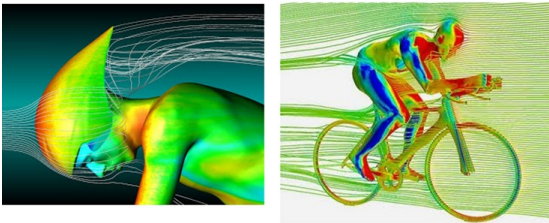
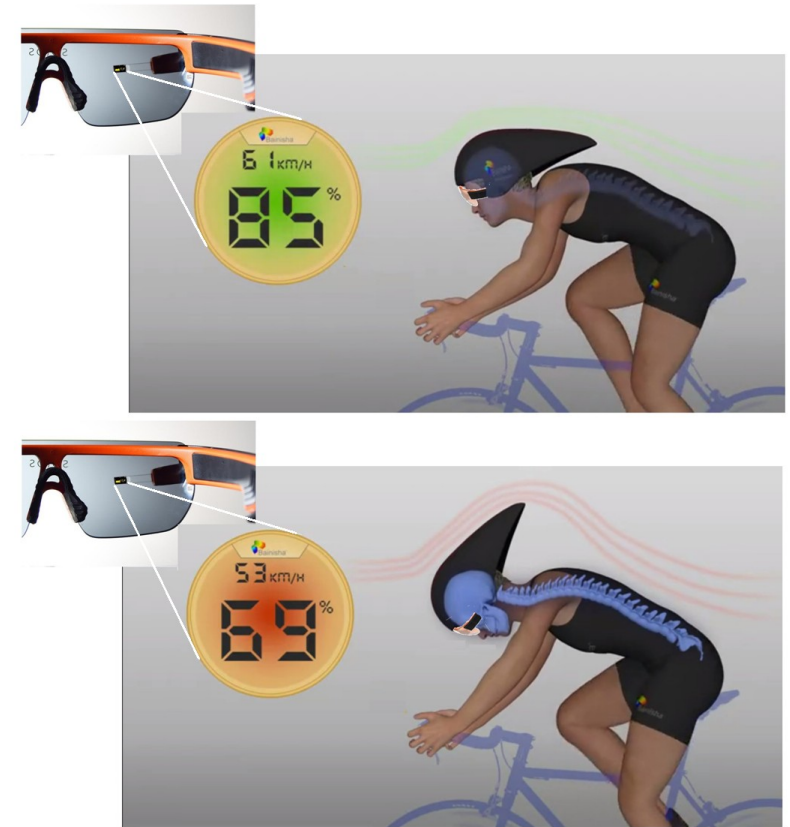
**1** 3D - snapshot of cyclist wearing gear



**3** Link wire-frame to measurement devices



**4** Project results in real-time during race



**2** Collect relevant CFD-models from library & link to wire-frame

**Bainisha - controlling drag during race.**

The core of the Bainisha concept is to present real-time info about how to minimise drag to a racer (e.g. via smart goggles). This information is deduced from an advanced combination of ultra fast\* Computational Fluid Dynamics (CFD) and a set of textile integrated sensors (smart apparel) which dynamically measures the posture of the cyclist.

\* The approach is based on a very novel "extended library based" closest fit CFD-model selection, that links with the real-life High Definition Human Body Motion Capturing.

There is no real aerodynamic testing involved (but if earlier results are available they can be implemented) ! All that would be required is a (one-time) 3D-photo of the cyclist. Optionally he/she can also add extra (drag) data such as type of bicycle, wheels, suit texture etc. Advanced versions could also scan for other riders in a tight knit group and take their influence into account.



Reg. Office Leeuwerikstraat 34  
Lokeren - B9160 - Belgium.  
Office Oosteindestraat 15A  
Lokeren - B9160 - Belgium  
Telephone: +32 (0)9 348 49 61  
Contact info@bainisha.com  
Website www.bainisha.com