

# SOLVING YOUR NAVIGATION PROBLEMS

## THE PROBLEM

The autonomous vehicle market demands a navigation system which is affordable, accurate down to 1 cm and very reliable. Normal satellite navigation sensors can meet the first two criteria but aren't reliable enough. Their accuracy degrades severely, down to just meters or even hundreds of meters, in forests or cities where satellite signals are interfered or blocked.

## OUR UNIQUE SOLUTION

Fixposition provides cm-level accurate positioning with superior robustness, based on deep integration of computer vision and our RTK GNSS technologies. Our GNSS sensors allow manufacturers of autonomous drones, cars, shuttles and delivery robots to sell their products for usage in all outdoor environments, where it was too risky to operate before.

We were founded in August 2017 as an ETH Zürich Spin-off and are supported by ESA BIC Switzerland.

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SELECTION **ETH** 2019  
**50** STARTUPS


TOP 100 WINNER

venture leaders

Our solution has won many awards, visit [fixposition.com](http://fixposition.com) to see all of them in detail.

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 NAV-RTK  
Base + Rover

 VISION-RTK  
Self contained



Camera data combined with other sensors allow us to achieve unseen reliability



Excess computational power enables customized functionalities



Small and just 84g with case and antenna, ideal for drones



VISION-RTK



Computer Vision enables additional functions like crop line following, landing spot detection and more.



Realtime fusion of data allows our GNSS sensor to keep cm-accuracy in any environment



Standard interfaces and connectors, wired and wireless