

## **Integrated Sensor Platform** GATEWAY (ISP) of ANavS

The reference for precise positioning, mapping and object detection and tracking.

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### Integrated Sensor Platform (ISP) of ANavS





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### **Customer Benefits**



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- > Ground truth for positioning, mapping and object detection
- > Very easy and fast installation and de-installation
- > No need for individual cabling of each sensor
- > No need for manual and error-prone determination of lever arms
- > Precise positioning, mapping and object detection in a single device





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Test drive in challenging environment in Munich, Germany



white: ANavS blue: OXTS

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white: ANavS blue: OXTS

### Railway track junction at Munich-Westend/ Heimeranplatz

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white:	ANavS
blue:	OXTS

### Tunnel Leuchtenbergring (ca. 200 m)

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white: ANavS blue: OXTS

### Tunnel Petuelring, Munich (length: ca. 1,5 km)

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### Demonstration of Visual Positioning Performance





View 2

Comparison Between MSRTK and LiDAR based Positioning Solution

Locatior	1:	Hornbach Indoor Parking Space, Munich, Germany
Speed:		~20-30 kmph
Driving	scenario:	Transition between Indoor and Outdoor environment
View 1:	First per	son view captured by FLIR camera
View 2:	Bird-Eye-	View of VLP-16 LiDAR SLAM
View 3:		app showing satellite sky plot and positioning solution

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### Demonstration of Object Detection and Tracking



## Integrated Sensor Platform of ANavS





### **Contact Information**





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