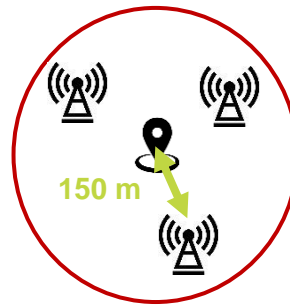


Ultra WideBand

How does it work

Set the anchors
(min. 3 on the wall
or with tripods)



Message exchange
between the Mobile and
the Anchors (ToF - Time
of Flight measurement)

Position calculation
by multilateration
and Kalman filtering



Supervision &
visualization
(position and data)

ADVANTAGES

Accurate Geolocation
10 cm for robots' control
< 1 m for multiple items

Resistant infrastructure not interfering
with dust, radio frequency bands

Low cost, light and scalable Infrastructure

Available Indoor & Outdoor

Full configurable software and visualization

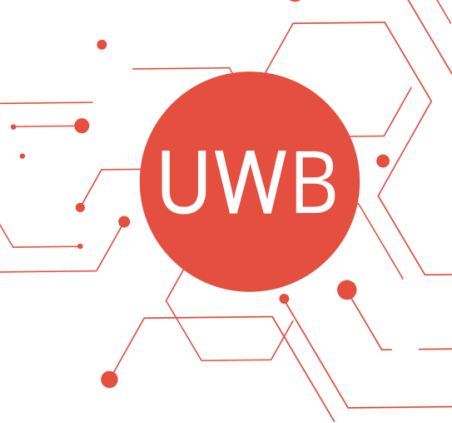
APPLICATIONS

Autonomous vehicles Geolocation for servoing –
feedback control (data fusion for machine
control)

Robots navigation (for machine control as
robots, drones, vehicles, etc)

Save **time** and **productivity** by **location**
for the means of production with data
recovery for flow management

Automatic distances measurements in tubes or
underground (1 anchor and 1 tag only for range
calculation, without pointing)



Technical Characteristics

Technology	UWB – IEEE 802.15.4a
Frequency	6 channels from 3.5 to 6.5
Range	Area coverage 100 x 100 m
Interfaces	RS232 - UART – USB - Bluetooth
Power	5 VDC
Anchors dimensions	75*55 mm
Tag Dimensions	Customized Design



CONTACT US FOR FURTHER INFORMATION