

## INNOVATION: GuideR RADAR SENSOR-REFLECTOR SYSTEM

GuideR is an innovative technology concept offering a radar guiding system.

Contactless mm-Wave radar system is capable of determining: distance, angle, movement, micro-vibrations, speed, or even shape and orientation of any objects in focus.

## GuideR system consists of:

- One or more radar sensors,
- One or more radar markers (reflectors),
- IP and algorithms,
- Single point of interface for connectivity,
- M2M or HMI interface.

GuideR is a patented, extremely robust and high-performance guiding system for:

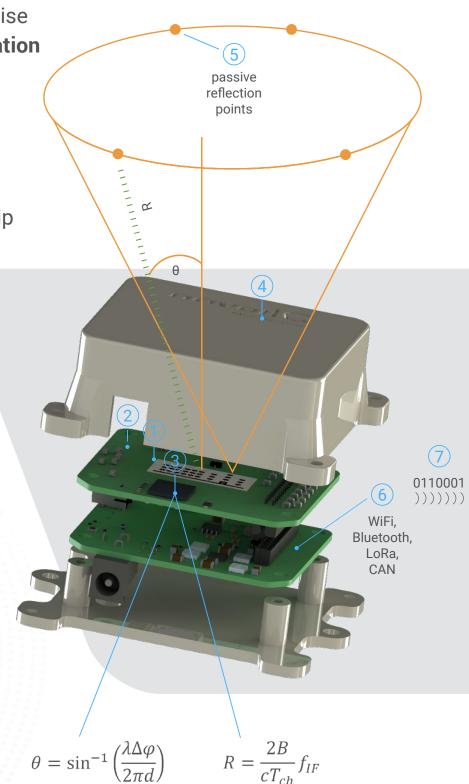
- ① Industrial Machinery & Robotics movement in controlled and known area;
- ② Cranes and Objects Manipulation precise detection of shape, position and 3D orientation;
- ③ Transportation & Smart Logistics autonomous driving and parking in known area;
- ④ People access control, personal security and safety enhancement.



Novelic provides technology for the GuideR, able to customise its components for **Application Specific** requirements:

- mm-Wave antennas
- 2 PCB(s) + mm-Wave chip
- ③ algorithms and DSP
- ④ assembly and sensor boxing
- 5 reflectors
- 6 interface for connectivity
- Type and format of available data





Future GuideR products will be designed and tailor-made for specific Applications, in line with needs of our Partners