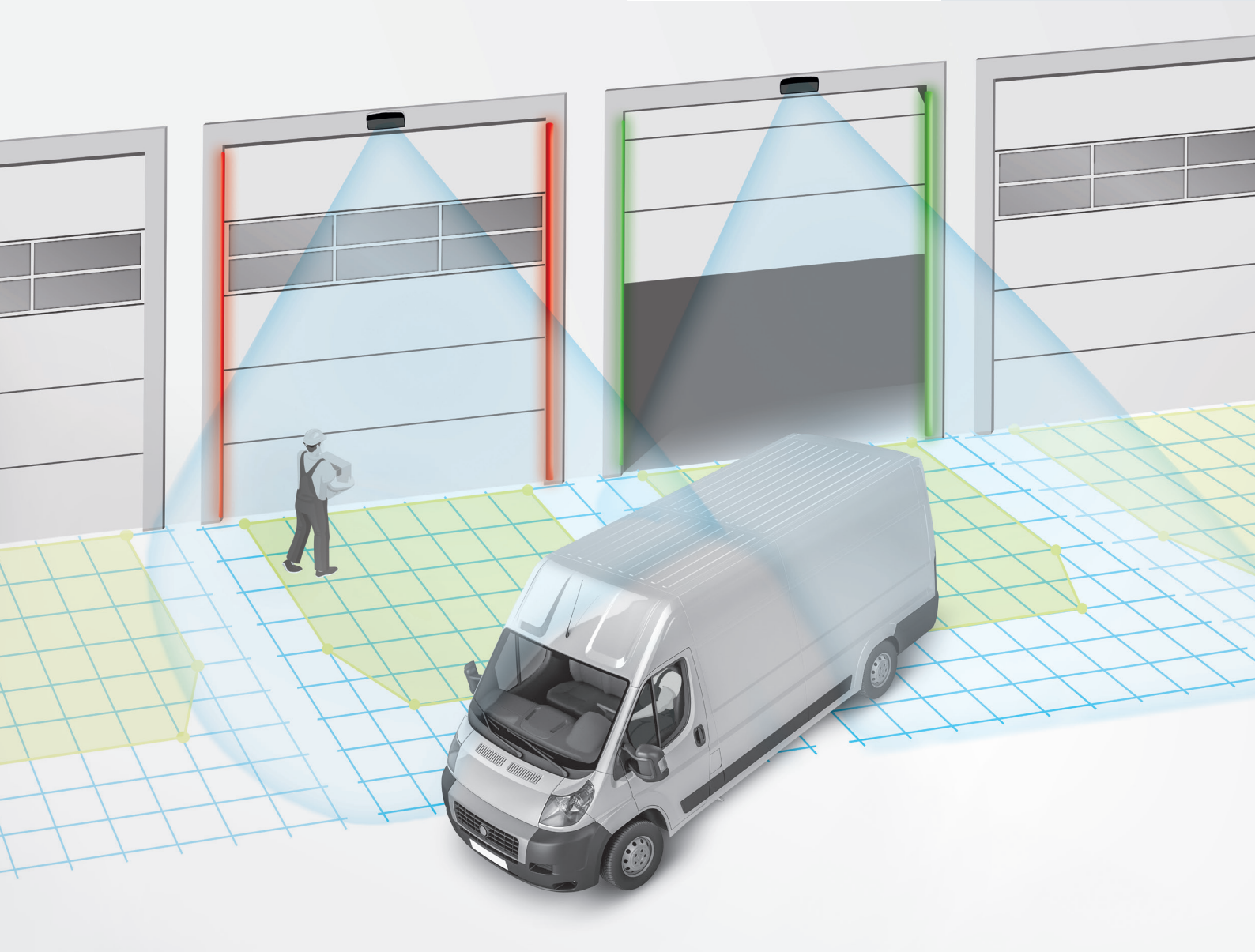
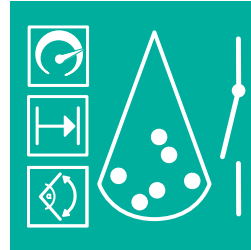


 **Radar  
MultiView RMV<sup>®</sup>**

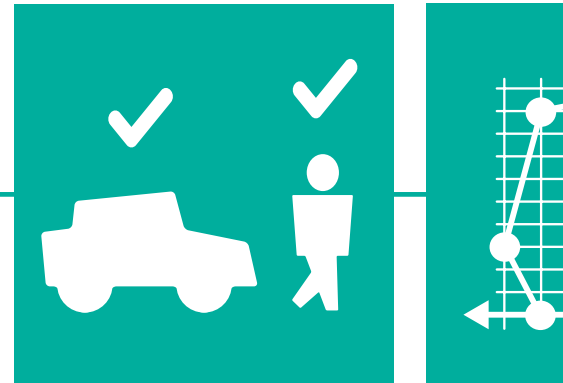
# RMV-G2

The Measuring 2-D Radar with  
Classifying Vision in Front of  
the Gate

Measuring hits Switching | Smart  
Configuration | Demand-led  
Opening of Gate Systems



# Measuring 2-D Radar with Classification and Adjustable Activation Areas




## Measuring hits Switching


Traditional gate opening radar usually relies on the principle of the physical Doppler effect. This enables the detection of


 **Motion** and  **Direction**

in the detection area and triggers immediately the gate opening impulse.

Thanks to an additional modulation process, the **Radar MultiView RMV | RMV-G2** has a new type of intelligence in order to analyze and evaluate more of what is happening in front of the gate. Therefore the RMV-G2 measures the following conditions:

 **Speed:** Using the specific modulation method, the Radar RMV-G2 determines the speed of movement of vehicles and persons in the entire radar field of view.

 **Distance:** The implemented modulation technology also provides the RMV-G2 with absolute measured distance values of moving vehicles and persons towards the radar sensor.

 **Angle:** This information is used to determine very precisely whether a vehicle intends to drive through the gate or is just driving by, making it unnecessary to open the gate.



## Intend Evaluation

Based on the measurement data, the intelligent measuring RMV-G2 now calculates the appropriate opening process and determines the two resulting actions:



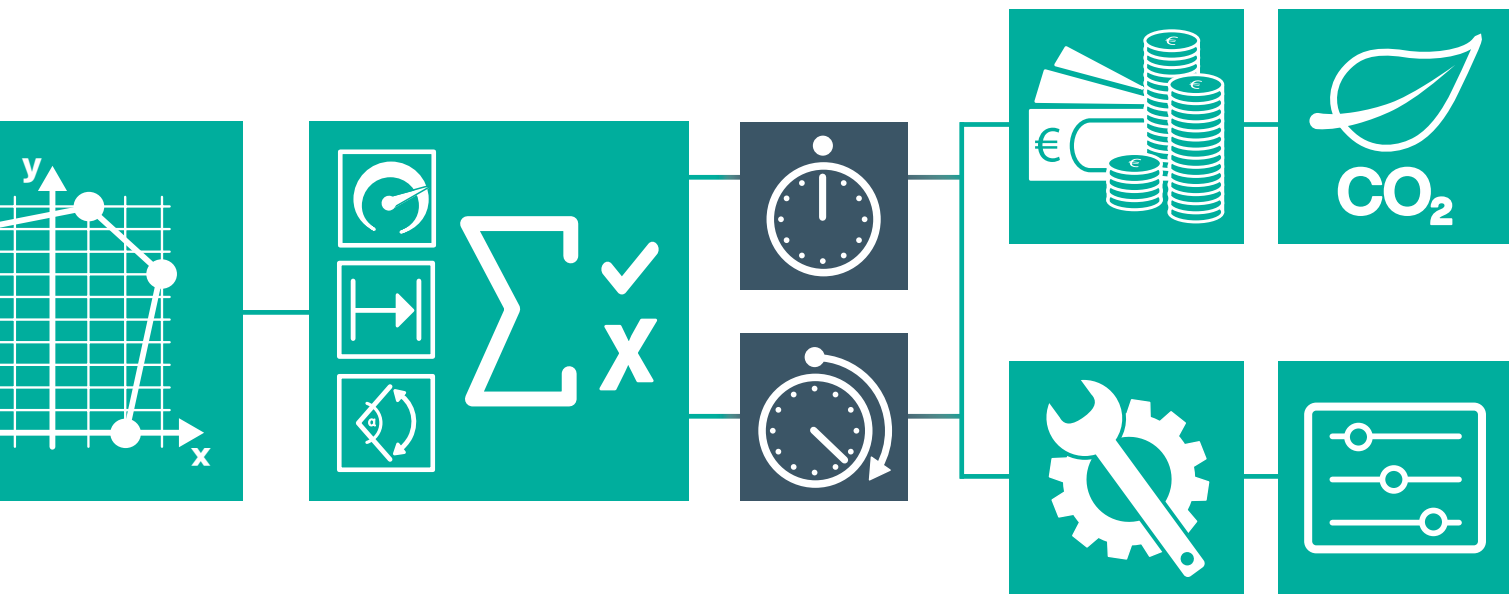
**Individual opening moment:** The Radar RMV-G2 individually controls as an important action the optimal opening point in time for each approaching vehicle – adjusted to e. g. fast or slow driving.



**Individual opening duration:** With the knowledge of the movement speed of the approaching vehicle, the length of the opening time is precisely calculated – the gate only stays open as long as for the transit time required.

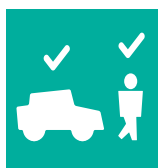
## Highlights

- Simple configuration with smartphone or tablet
- Individually adjustable activation areas
- Classification between persons and vehicles
- Plug and Play
- Cloning of final configured settings to other sensors
- Higher energy savings thanks to optimum cross-traffic suppression
- Improved CO<sub>2</sub> footprint, also for existing systems



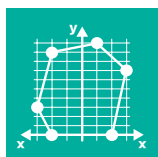
## Smart Configuration

The sensor is parameterized via an integrated web server using a smartphone or tablet.



### Classification of detected objects

At the start of parameterization, the user has the option of defining the differentiation between people and vehicles. Implemented algorithms enable perfect differentiation between people and vehicles - for classic and complex gate system processes.



### Adjustable activation areas

Two separate areas can be individually defined for the measuring RMV-G2 according to customer requirements: the activation area and the close-up area. The activation area can be defined, for example, with a maximum of 8 points in the form of a polygon.

This makes it possible to prevent unwanted opening of the gate, which in turn has economic and financial benefits for the operator.

## Benefits for the Operator



**Maximum cost savings:** The specifically calculated door opening impulse results in direct operating cost savings and improves the energy balance.



**Maximum energy savings/optimized ecological balance:** The demand-based opening minimizes the consumption of fossil fuels for heating systems and electricity consumption for air conditioning systems, thus reducing the CO<sub>2</sub> footprint, which is reflected in a company's ecological balance sheet and the sustainability reporting.



**Minimum material wear/maintenance:** By opening and closing the gate as needed, the intelligent RMV-G2 prevents unnecessary gate openings and thus reduces the wear and tear of the gate and the maintenance intervals.



**Minimum assembly and parameterization effort:** The assembly effort is reduced to the purely mechanical and electrical installation by smartphone or tablet.

### Radar MultiView RMV | RMV-G2 Technical Data

Sensing range	f (H, α) Display via interface; typ. 30° angle of inclination
Mounting height	Max. 10 m
Operating voltage	AC: 8 ... 35 V AC +/- 10% DC: 8 ... 45 V DC +/- 10%
Signal output 1	Solid-state relay
Signal output 2	Solid-state relay
Operating temperature	-40 ... 176° F
Dimensions	131 mm × 73 mm × 136 mm

# Your Specialist in the Field of Entrance Automation for the Following Market Segments:



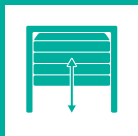
Door Automation



Barriers



Perimeter Security



Gate Automation



People Counting



Public Transport



Elevators



Security



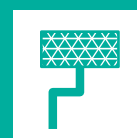
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