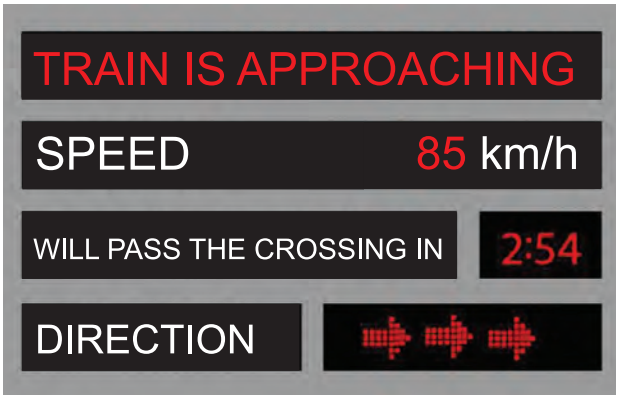
# *BLAGOVIST* CONTROL AND INFORMATION SYSTEM FOR RAILWAY CROSSINGS

Information board at a railway crossing




Information board

## Areas of Application

The system is designed to timely provide drivers of vehicles and pedestrians at railway crossings with information about the upcoming trains: speed, direction, time of train passage through the railway crossing; and other relevant information in the form of information line

## Advantages

The system has no world or Ukrainian analogs. It is autonomous and is suitable for all types of crossings, provides complete information to drivers and pedestrians about the approaching trains. The system counting points are solar powered, communication is realized by radio data and does not require laying out electric and communication cables

## IPR Protection

IPR2

## Specification

The system consists of 2 information boards, 2 counting points connected by a radio channel with 1 central point, 4 radio antennas, 4 track sensors, and 2 solar panels to supply power to the counting points.

| | |
|---|---|
| Controlled speed of the train passing through the counting points, km/h | ≤250 |
| Train detection range, km | ≤2.5 |
| Operating frequency of data transmission channel, GHz | 2.4 |
| Energy consumption of the central point, W | 225 |
| Energy consumption of the counting point, W | 2 |

## Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Manufacture, delivery, and after-sales service, upon request

## Contact Information

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