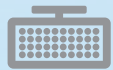





SMART SOLUTION FOR SAFE MANAGEMENT OF PASSENGER FLOW



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001



PMA *People Movement Analyzer* is the solution to monitor the flow of passengers aboard means of public transport and waiting to board in *real time*.

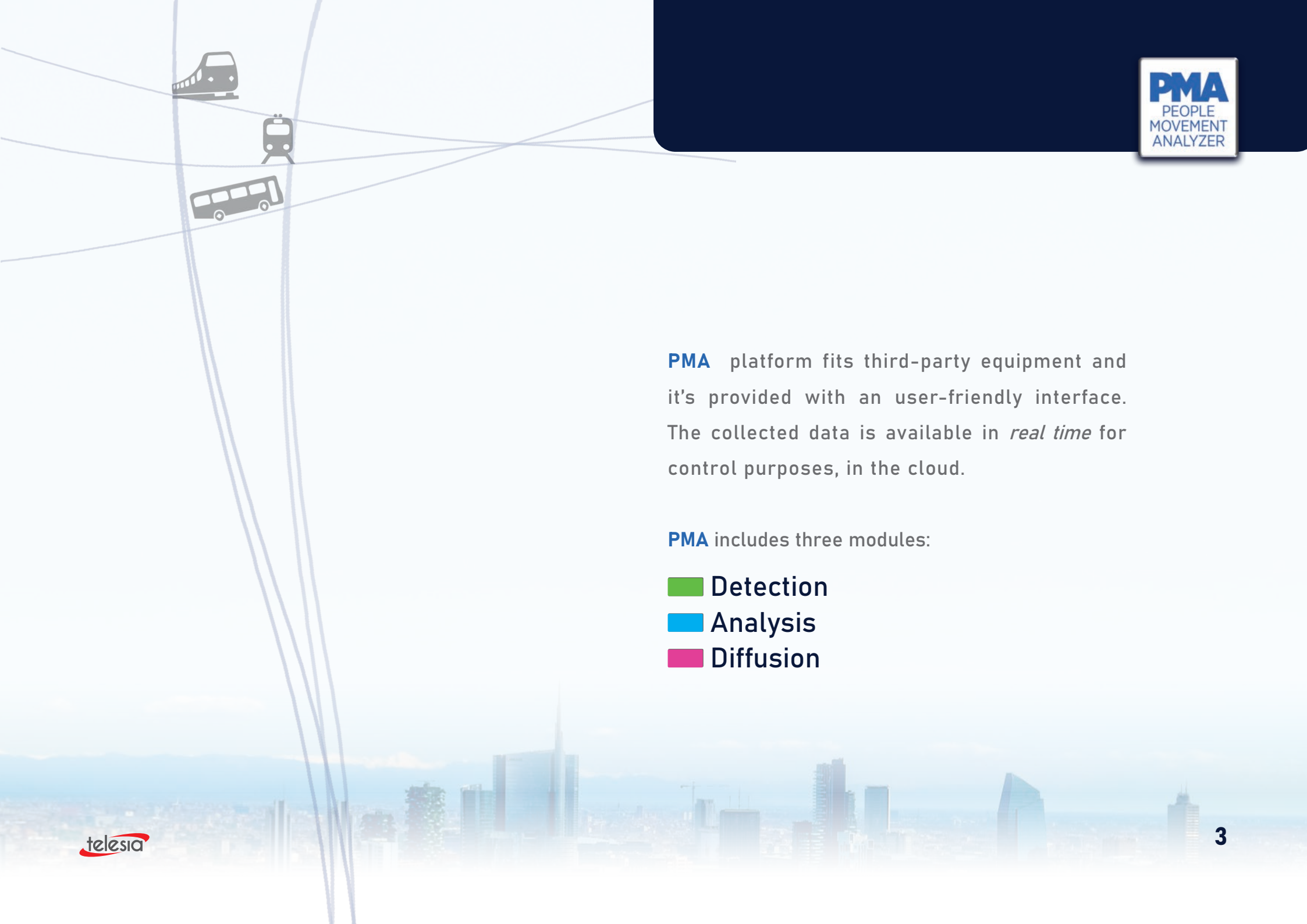
The companies in the Urban transport sector can ensure greater efficiency and safety thanks to **PMA** optimizing passenger flow.



How it works


PMA collects and analyses the data before disseminating the information. The indication devices show to the passengers where to place on board and on the platform.

PMA communicates with passengers through audio-visual-system, acoustic signals or apps, Telesia proprietary devices or third-party equipment. It's a technological system able to create the necessary conditions for behave in a responsible way.



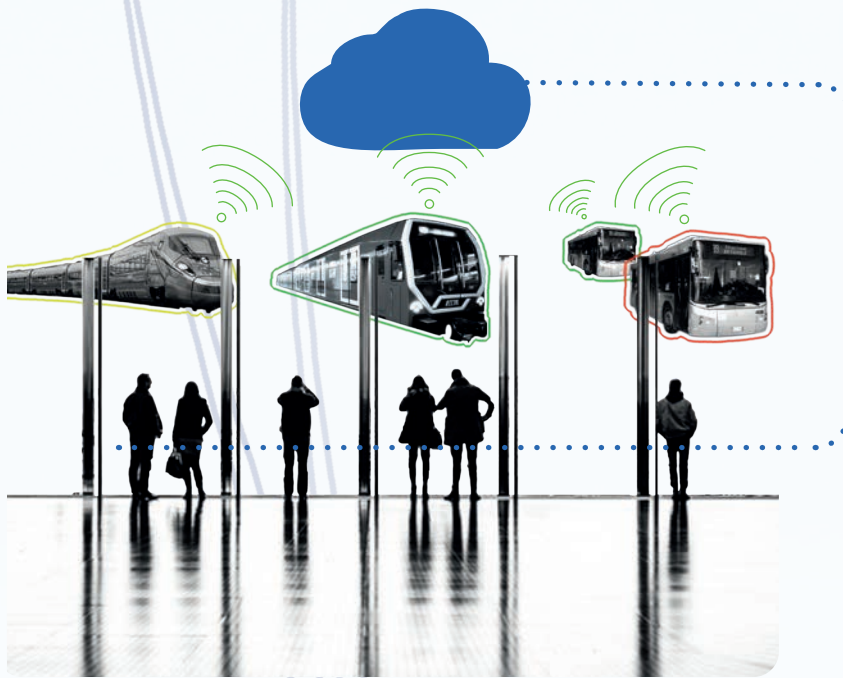
PMA platform fits third-party equipment and it's provided with an user-friendly interface. The collected data is available in *real time* for control purposes, in the cloud.

PMA includes three modules:

-  Detection
-  Analysis
-  Diffusion

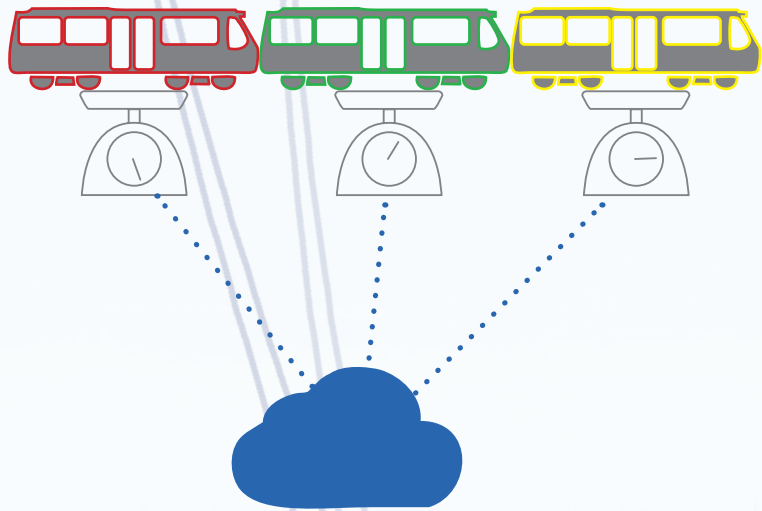
The image shows the interior of a bus with green seats and handrails. A large green rectangular box is overlaid in the center, containing the word "Detection" in white text. The bus interior features green seats, handrails, and windows. A sign with Arabic text is visible on the wall. The floor is blue.

Detection



Data detection is carried out via WeCounter®, a Telesia proprietary device. It's a people counting device based on infrared technology for recording in waiting areas.

PMA processes data and makes an estimate of crowding rates. The data are readily available to the passengers, to enable them to monitor the overcrowded.



PMA can also adapt the third-party's data and other detection system's data. For example it can use the train wagon weight as data.

They'll connect through a device for data transfer.



Analysis



PMA processes the data anonymously, according to customizable parameters.

The platform is *cloud-based* and it enables simultaneous connections. Data encryption and password protection ensure that the information can only be accessed by authorized users.

The **PMA** platform has a dashboard, *Analytics*, which contains all the available data and offers various types of analysis. You can get some reports using QuickPublish®, a proprietary technology integrated, *cloud-based*, accessible at any time for control purposes.



The collected and processed data allows to deepen the analysis on the trend of passengers. With this platform you can easily perform intercrossed analysis between issued tickets and passengers on board.

You can also track the passengers in a specific time slot. This is important information that is relevant to proper organization of mobility.

A photograph of a modern train station at night, featuring a large, illuminated, slanted roof structure and a train on the tracks. A large, semi-transparent pink rectangle is overlaid in the center of the image, containing the word "Diffusion" in white text.

Diffusion



PMA discloses information on crowding by indication devices - Telesia proprietary device or third-party equipment.

The information about crowding rates will be disseminated to the passengers through audio visual systems, acoustic signals or apps.



The **PMA** platform fits third-party equipment, for example LED panels.

LED panels are engineered to display freely configurable texts and can offer in real time all the information about next trains and crowding rates.



Wired broadcasting system can transmit an acoustic signal to indicate to the passengers where to place.

On board the trains signaling occurs by way of a graphic image on the display and an acoustic signal. It is possible to set a custom message based on the different statuses of crowding/overcrowding at specified time intervals.

An acoustic signal warns the driver in case of overcrowding.





Poles with information near the bus stop indicate the crowding rate to the passengers waiting to board. Equipped with colored LED for the state system, the poles indicate to the passengers which carriages to choose, before the train arrives.



Data and information can be transferred by third-party apps.

PMA is structured to interact with third-party web platforms.



Telesia is a media tech company specialized in the production of TV channels and in the technology for video communication in highly frequented locations. Telesia TV channels are provided in main Italian airports, in the underground stations of Rome, Milan, Brescia and Genoa, on board of buses of Milan, Siena, Arezzo, Grosseto and on board of underground trains of Rome. 5 TV channels form a network of about 5,000 screens, designed and built by Telesia Sistemi Division, technological soul of the company. Telesia Sistemi has developed many new technologies:

Quickpublish® a special Content Management system, cloud based

Omnia the decoder adaptable to third-party equipment

WeCounter® the technology to track audiences near the screens

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