TMacs®

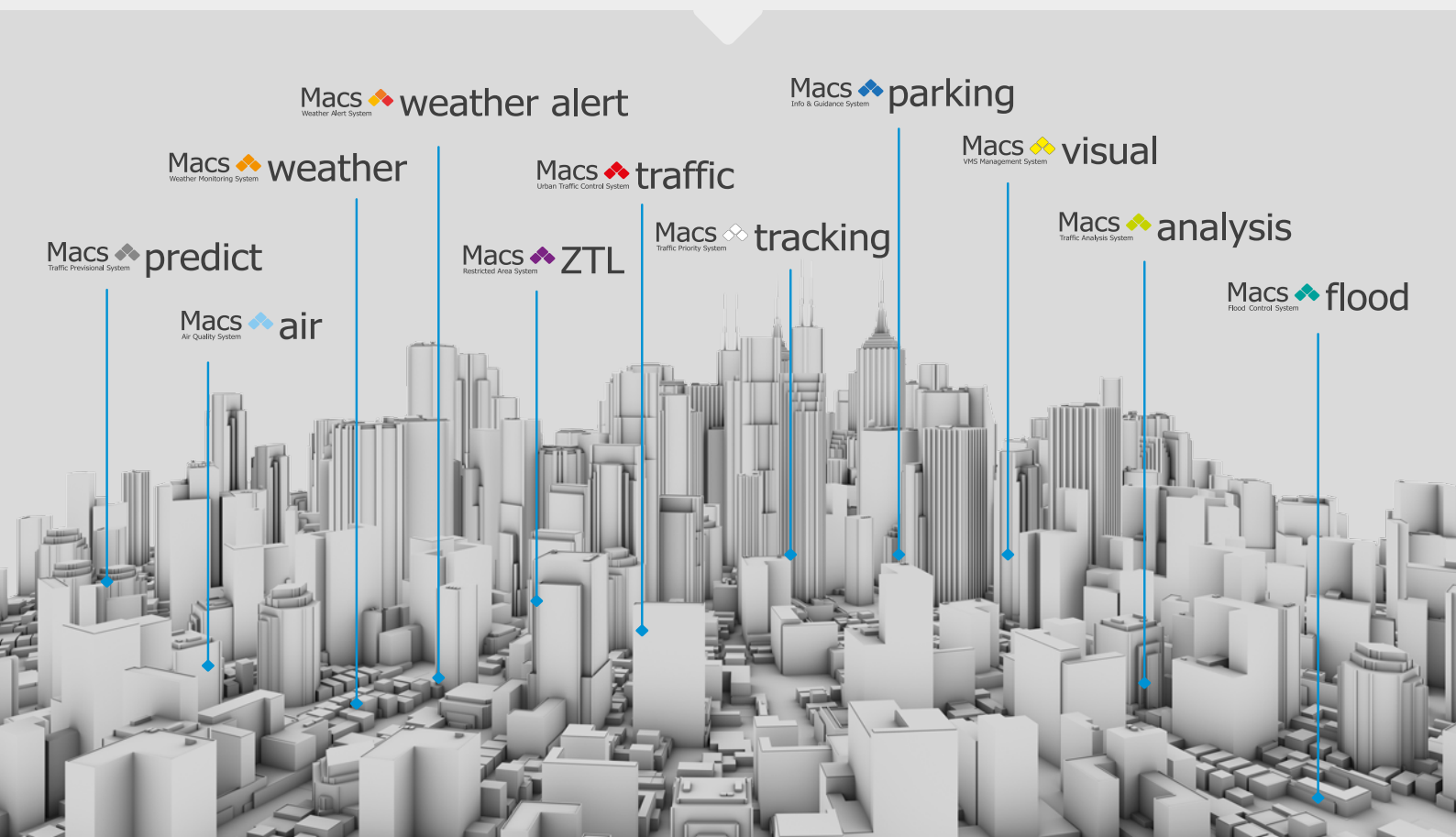## Total Management Advanced Control System

WHAT IS TMACS®?

TMacs® is a SW platform made for ITS applications, the most advanced and flexible solution on the market today. Just a "click" and from wherever you are you can constantly monitor the status of the devices, know the details of failures in real timo, decide which traffic control strategy to adopt or wich information to give to users. Compatible with any existing installation, TMacs ® is the ideal scalable solution for efficiently managing the traffic of your citiy, save energy, reduce air pollution and ensure efficiency and quality to your road infrastructure.

APPLICATION

The Platform TMacs® is made up of modules that work together to create a comprehensive ITS solution:

- Centralization of traffic lights with Adaptive Traffic Management and Plan Selection
- Storage of traffic data and signaling solutions
- Priority traffic light for Public Transport and rescue
- Management and Control of VMS and information panels
- Real-time calculation of Travel times
- Guide to Parking
- Monitor every weather and environmental parameter for the Maximum Security driver
- To give information Real Time by VMS, Web, Smartphone and board
- Monitor underpasses in case of flooding

Macs **weather alert**
Weather Alert System

Macs **parking**
Info & Guidance System

Macs **weather**
Weather Monitoring System

Macs **traffic**
Urban Traffic Control System

Macs **visual**
VMS Management System

Macs **predict**
Traffic Previsional System

Macs **ZTL**
Restricted Area System

Macs **tracking**
Traffic Priority System

Macs **analysis**
Traffic Analysis System

Macs **air**
Air Quality System

Macs **flood**
Flood Control System

Benefits

NO MORE TRAFFIC CONGESTION

Reduces stops, delays and travel times; field trails have demonstrated the following benefits:

- 25% decrease in travel times for public transportation
- 18% decrease in travel times for private traffic

EFFICIENT MAINTENANCE

Supplies all data regarding systems and running costs, allows prompt and targeted maintenance interventions. It reduces the intervention times and the reliability of the offered service.
- Saves up to 60% Service cost.

REAL TIME INFORMATIONS

Knowing the travel time, the nearest free parking place, the road surface conditions, while driving or before using the car, through VMS, Web, Smartphones and tablets, allows you to make the trip in a better way.

FULLY SCALABLE AND FAST INTEGRATION

The advanced open structure with plugins, enables the use of remote and shared servers; TMacs® offers the minimum integration time on the market today, offering maximum scalability of the system.
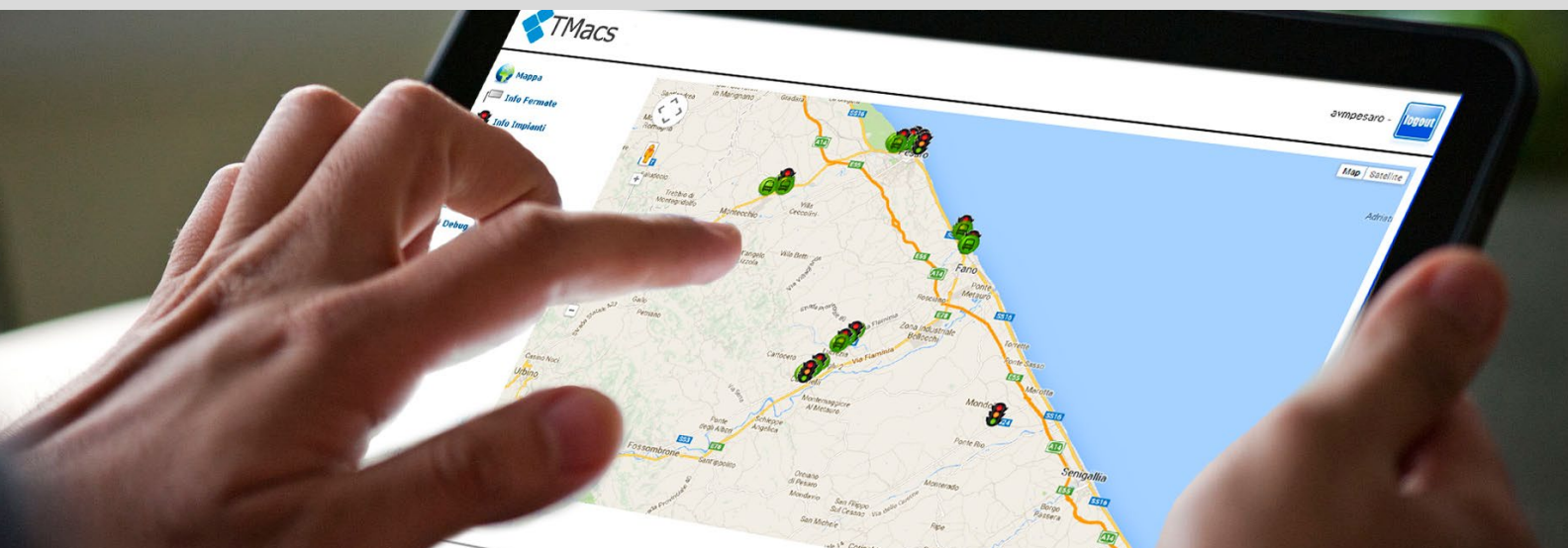
ENVIRONMENT

Reduces vehicle emissions and production of greenhouse gases.

- 15% decrease in pollution emissions in urban areas

SHORT TIME PAY BACK INVESTIMENT

A better life could justify any price, however TMacs® grants the investment return in a short time by generating financial resources.
The experiences throughout the years tell us that TMacs® will repay for itself in 2 to 4 years

LA SEMAFORICA

TECSEN

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