

# T.P.M.S. Tire Pressure Monitoring System



*30 years at your service*



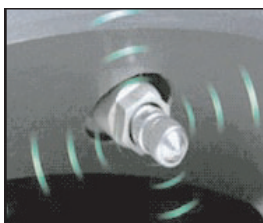
# T. P. M. S.



**ATEQ et SODEREL** associate their competences and their know-how in the fields of measuring and automation technology in order to come up to car manufacturers's expectations as regards **T.P.M.S. (Tire Pressure Monitoring System)**.

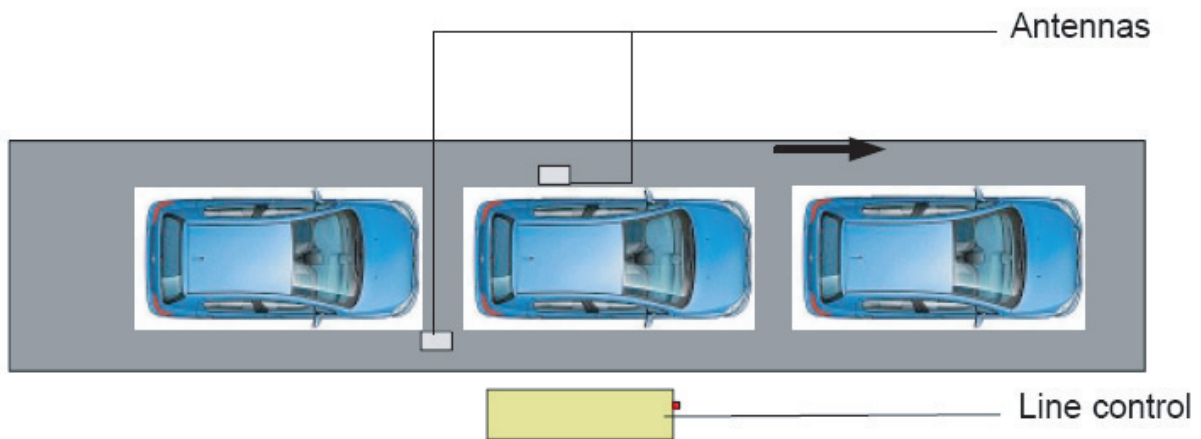
## Main Features

- . Installation intended to allow identification of the codes of wheel valves, which communicate with the vehicle's computer.
- . Installation made up of a switch cupboard and of high frequency antennas allowing the activation of the valves.
- . Installation able to treat all vehicles assembled on the same line.
- . The antennas allow to activate the valves and to recover their identifiers.
- . Functions of the automation allow the automatic identification of the vehicle and the recovery of the informations associated with this one by a communication with the factory network. At the end of the cycle, the cycle data are transferred to the factory network.
- . Frequency of activation: 125 KHz
- . Range: adjustable from 20 cm to 1m50. Maximum cycle time 60 seconds.
- . Power of emission: about 250 A/m
- . Reception AM/FM: 433 and/or 315 MHz
- . Storage of a complete production cycle



Parallel to the industrial solution there is an after-sales solution for the garages and concessions: the range ATEQ-DIAG.

## Installation example



## Flow description

- . Recovery of the vehicle's identifier
- . Dialog with the factory network for the recovery of the cycle parameters
- . Detection of the right front wheel (the cycle varies according to the antenna installation)
- . Excitation of the wheel's valve by the antenna
- . Recovery of the valve's identifier
- . Detection of the left front wheel
- . Excitation of the wheel's valve by the antenna
- . Recovery of the valve's identifier
- . Detection of the right back wheel
- . Excitation of the valve of this wheel by the antenna
- . Recovery of the valve's identifier
- . Detection of the left back wheel
- . Excitation of the wheel's valve by the antenna
- . Recovery of the valve's identifier
- . Emission of the cycle report towards the factory network
- . Storage of the cycle data in the PLC



**ATEQ-DIAG VT:**  
Repair device allowing the operation of training of the automobile computer

# A network

## WEST Area

Rennes

Fax. +33(0)299 771 290

agence.rennes@soderel.com

## EAST Area

Sochaux

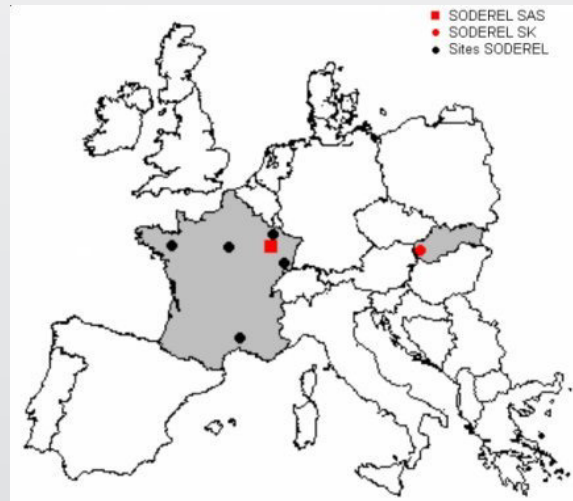
Fax. +33(0)381 945 280

agence.sochaux@soderel.com

Pont -à-Mousson

Fax. +33(0)383 812 567

e.girardot@soderel.com



## ILE DE FRANCE

Aulnay-sous-Bois

Fax. +33(0)148 657 045

agenceparis@soderel.com

## SODEREL SAS

10, rue du coteau - Z.I. Ouest

F- 54180 Heillecourt

Tel. +33(0)383 55 66 66

Fax. +33(0)383 55 66 67

## SOUTH Area

Tarascon

Fax. +33(0)490 915 389

agence.sud@soderel.com

## SODEREL SK

(Slovakia)

Modra

Tél. +421 336 474 341

Fax. +421 336 474 378

soderel.sk@soderel.com