TOMST®

PES®

more than "just" a Guard Tour device!

PES® – Portable Electronic Sensor

The system PES® proves its abilities where there is need to control and monitor movement of persons and objects in relation to time and place. Its main domain is the guard-tour control and employee patrol evidence; however the system PES® is also useful elsewhere.

Ergonomic design – with their size (∅18x87 mm) and weight (49 g), Integrated baterry up to 10 years life time. Based on the **iButton®** technology of the US company MAXIM Integrated Products, Inc. The PES® sensors represent a clever, handy solution, easy to hold and use by the employees.

Wide range of possible use – during the years of its existence, the PES® system has proved its effectiveness and qualities in a range of different areas and applications, e.g. guard-tour control, postal services, health care services, cleaning services, bus inspectors and many others.

ANTI-VANDAL® Technology

A clever self-protective system that has been invented for the PES® sensors to equip them with higher anti-sabotage protection. The system excels by extreme resistance against various kinds of intentional and unintentional damage, which can be detected and recorded.

The PES® sensors are the most robust employee-monitoring devices in the world. They are equipped with unique ANTI-VANDAL® Technology, a self-protective system that can even recognize WHO tried to damage the sensor and HOW! Thanks to this technology the PES® sensors are one of the most resistant on the market with a warranty up to 5 years.

Most important types of detection and protection:

- Detects 3 levels of hit intensity: small, medium and strong hit.
- Resistance against the microwave radiation. The system can even detect that the sensors were placed into a microwave oven.
- Detects an attempt to damage the sensor by over-voltage. The sensor is able to endure over-voltage up to 265 V and survive portable Tasers up to 200 000 V.
- High durability and robust construction.
- Waterproof resistance (IP68).
- Resistance against high temperatures and big changes of temperatures (-40°C – +85 °C).

How Does the PES® System Work?

Every iButton® chip has its unique identification number. These iButton® chips can be used for the identification of a person, place, or an object.

By touching an iButton® chip, the PES® sensor reads its identification number and also records the information about the time and date of the touch, serving as a data collector. The data from the sensor is then downloaded to a PC to evaluation software (e.g. WinKontrol®).

TOMST® WinKontrol

The data transfer can be done in three different ways:

directly – placing the sensor into the TMT-USB download adapter;

indirectly – all data from the sensor is downloaded to a data chip held by a supervisor. Then the data will be transferred from the data chip through the USB adapter to the PC;

remotely – placing the sensor into the D-point, all data from sensor is downloaded to the D-point unit and data will be sent by GSM/GPRS to the server/PC. The evaluation software WinKontrol® represents a useful tool for analysing the collected data and generating different kinds of reports.

PES®
Built for Your Solutions

The control PES® system offers a simple and clever solution to record movement of persons or objects.
It can be used at any place or time where the movement must be controlled and documented, e.g. Cleaning services, Guard-tour/patrol control, Postal services, Health care, Inspection activities, revision controls, environmental inspections, fire & safety inspections, educational system, military services, distribution of goods, container transport monitoring, returnable-packing monitoring, lift inspections and many others...

TOMST®

We invent, design, and manufacture electronics

The company TOMST® based in the Czech Republic, EU, has been operating on the market since 1995 and therefore has already 20 years of experience. Its history is closely related to Mr. Tomas Haase, the founder and the Chief Executive of the company.

The TOMST® production concentrates on four principal areas:

PES® - Guard-tour control system – the TOMST® flagship product. The system is famous especially for its worldwide-unique technology of detection of attempts to destroy the PES® sensors, the ANTI--VANDAL® Technology.

TMS - TOMST® Measuring System – data loggers for measuring air and soil temperature and soil moisture even in extreme conditions. It received several awards, among the most significant the award from the Technology Agency of Czech Republic and the Golden Amper.

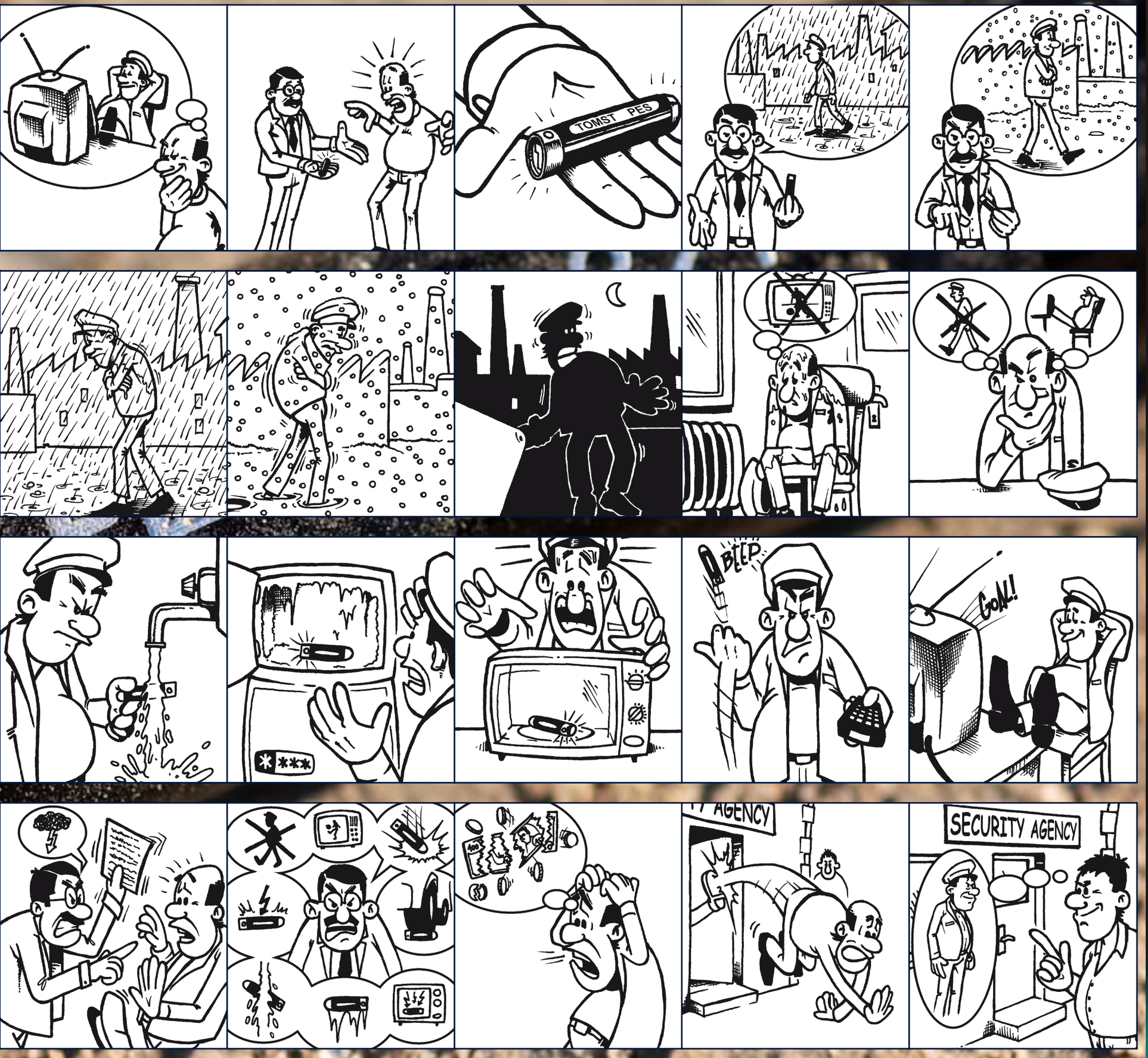
TLD - Access control system – a complex solution of access to buildings and attendance control.

Individual solutions – The TOMST® offers the customers further development and production of individual control systems and other solutions adjusted to their individual requirements. Do you need special equipment for your own application? The TOMST® company can offer you the development and production of specific electronic equipment, such as different autonomous measurement units, data loggers etc.

PES®

Guard Tour Patrol System

ANTI-VANDAL®
The
True Story
ECURITY AGENCY
PES prof. 41121411
BEEP
BEEP
TOMST PES
BEEP
BOSS


TOMIST PES
BEEP
GOAL!
SECURITY AGENCY

TOMST®

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