



technology for people

TrainINFC
TrainECHO



Passenger Information System - PIS

TrainINFO
TrainECHO



We are looking in the same direction

Inspired by travel. Designed and manufactured by PAG. Solutions that work for the comfort of passengers and railway managers. From passenger stops, through small to large stations. We are where information in rail traffic matters. On the way to perfection, we've created a solution tailored to the daily work of railwaymen, train dispatchers and administrators.



A picture is worth a thousand words. To see and to hear what really matters

TrainINFO and **TrainECHO** systems complement each other and constitute comprehensive solutions providing key information for travellers and passenger service staff.

TrainINFO in the Passenger Information System (PIS) provides an integrated visual communication flow. Automatic data processing allows you to display up-to-date information. The system adjusts the order of messages according to set priorities. Informs about deviations from the plan, like changes in routes or delays.

TrainECHO provides voice announcements at railway stations and stops using megaphones. It notifies about arrivals and departures of trains, changes in timetable. Cooperating with the central timetable database (Polish Railways), it enables remote information updating.

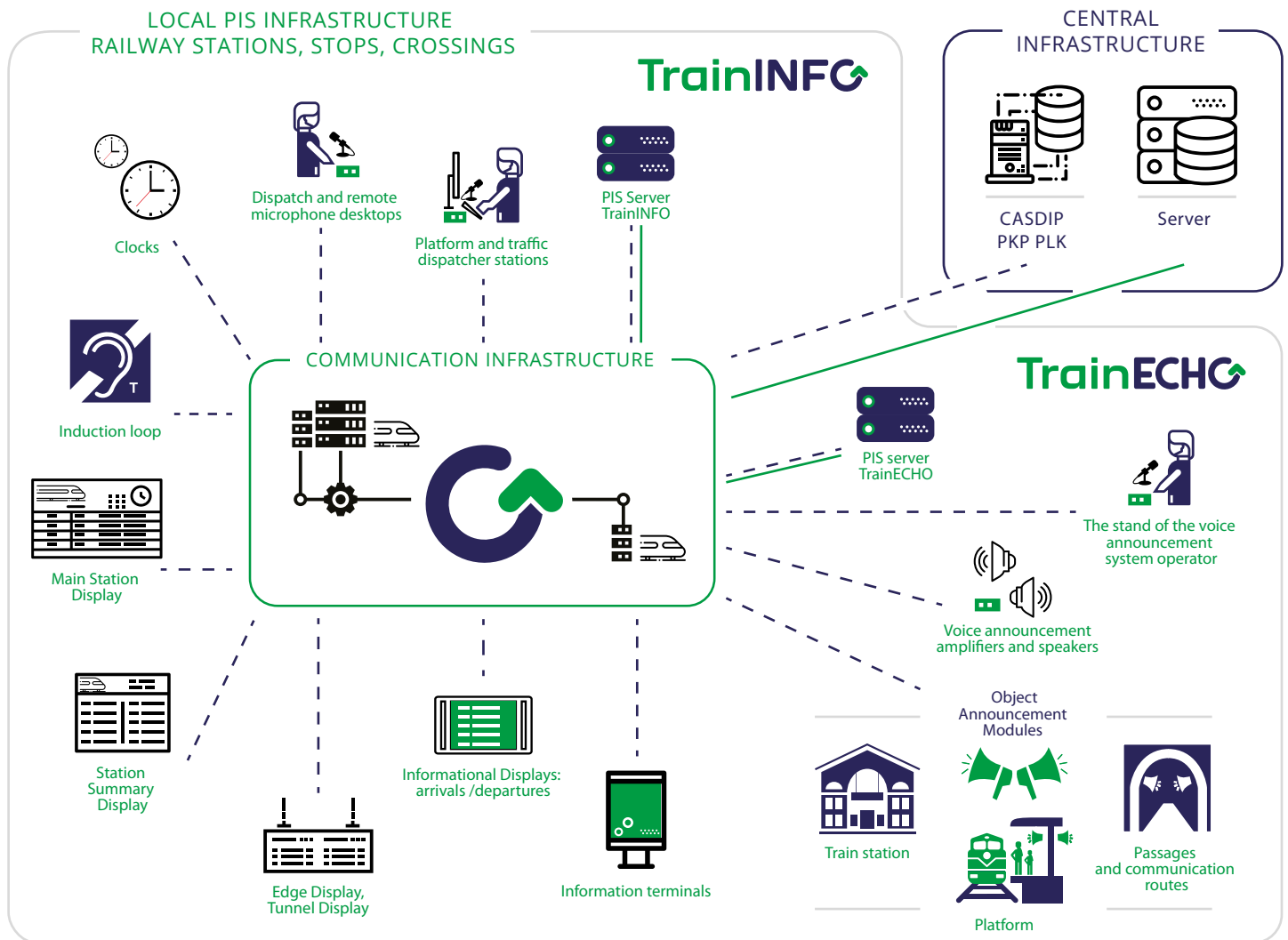
Available channels:

- visual information: displays
 - time presentation: clocks
 - voice information: megaphones
 - multimedia information: information terminals
- The system is adapted to the needs of the disabled (contrast, sound, induction loops, height of displays and buttons).

Selected features and functionalities:

- automation and flexibility
- multi-language speech synthesizer
- the ability to attach multiple objects
- the possibility of division into areas - zones
- the possibility of cooperation with Central PIS

Diagram of the PIS architecture



Elements in the PIS system

Compatibility and personalization

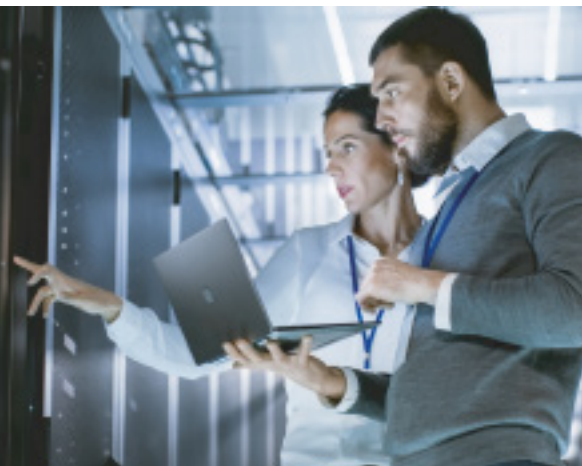
1. operator stand- equipped with a computer, monitor, keyboard, mouse etc.
2. electronic information boards of various types:
 - main station displays
 - edge displays
 - tunnel displays
 - summary information displays
 - information displays arrivals / departures
 - platform displays
3. information terminals, clocks
4. voice announcement stands, microphone desktops
5. object announcement modules
6. megaphones and voice announcement amplifiers

Modules. Set up freedom.

The freedom to combine system modules, depending on your needs, gives you a lot of possibilities. Adaptation to specific requirements. Free expansion after implementation.

The perspective of operation with Central PIS and cooperation with a local server.





Reference systems

We present the operation and advantages of our solutions. PIS reference station systems are operated, among others, in stations and local stops.

Reference systems allow you to verify the modernity and advanced technology involved in the operation of proven and appreciated PAG solutions.

See application of products' functions in everyday work.

Professionalism and commitment

Partners are different and their needs are different. Railway, army, police, industry - we look into their future and see a common goal - to provide solutions that will ensure success. Our systems and integrations are a silent partner for creating better places and services for people.

Improving and updating the system is the way to a perfect product. We provide professional solutions comprehensively: design, installation, configuration, measurements and training, author's supervision, 24/7 service and maintenance. We provide reliability of solutions. Continuity of work and cooperation of systems even in the event of power failure or loss of communication. Such possibilities are the result of professionals' work.

The PAG team consists of experts who constantly improve their qualifications at trainings and courses. A high level of team cooperation, secure succession, commitment and responsibility. Specialists who have the necessary certificates. People whose knowledge provides professional solutions.

We work for demanding customers. We create products that operate in a practical manner.



In business for 20 years

At PAG, we design and deliver refined, innovative tools. We have knowledge and experience.

We combine creativity with practical areas of application. We consult all products and solutions with those who will use them on a daily basis.

We work with a designer, investor, general contractor, subcontractor. Each project is implemented in accordance with a plan and a predetermined schedule.

The result: success for us and our partners.

PAG sp. z o.o.

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