

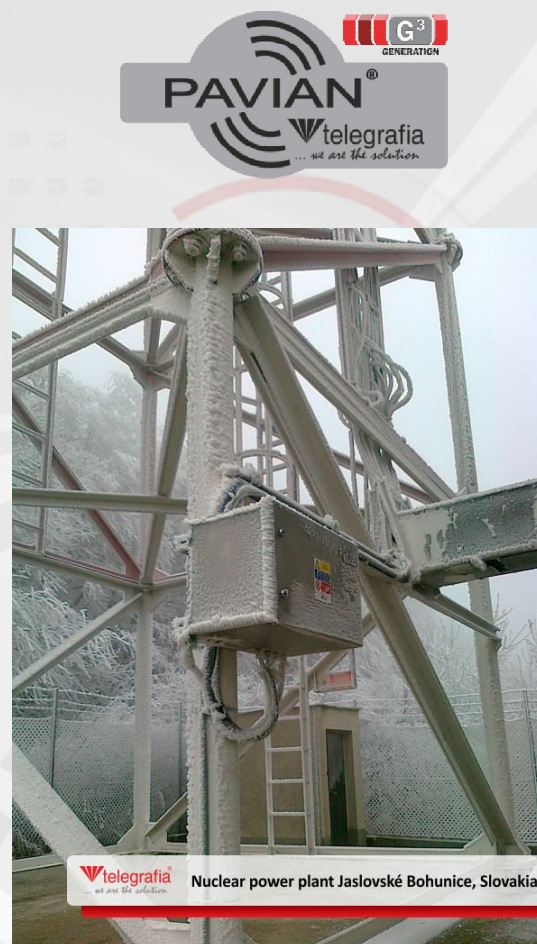
# PAVIAN electronic siren

No minutes, but seconds matter most

 **telegrafia**<sup>®</sup>  
*... we are the solution*

# Electronic siren PAVIAN

Works in extreme heat & severe frosts





# Electronic siren PAVIAN

No problems with extremely dusty environment

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# Electronic siren PAVIAN

Functionality proved in ideal & extremely difficult conditions

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# Electronic siren PAVIAN



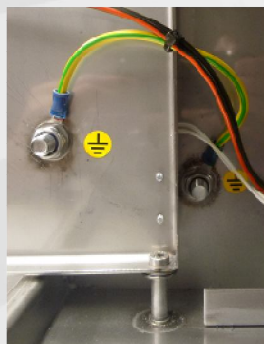
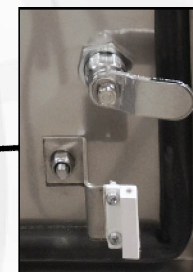
**No minutes, but seconds matter most**

- PAVIAN = the highest level of the electronic siren product line,
- It is optimized for large complex warning systems & systems which require more complex interface with its environment,
- It has modern sophisticated electronics, each module is equipped with microprocessor & customer-modifiable software,
- PAVIAN is more than a siren, it is advanced communication & automation device,
- It has sophisticated design suitable even for the toughest conditions,
- Aluminium alloys & stainless steel of the highest quality are used for its construction,
- It is produced with outputs from 300 W to 4,500 W

# Electronic siren PAVIAN

All details from stainless steel

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# Electronic siren PAVIAN

Resistant horns made of a lightweight aluminium alloy

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# Electronic siren PAVIAN



No minutes, but seconds matter most

Sophisticated communication infrastructure provides:

- Extremely fast siren activation:
  - 350 sirens in the nuclear power station Jaslovské Bohunice are activated using radio control within **20 seconds**
  - More than 2000 sirens in the Slovak national warning system are activated using RDS control within **10 seconds**
- Extremely fast feedback about the siren status – activated / not activated:
  - from **350 sirens** in the nuclear power station Jaslovské Bohunice we can obtain feedback solely via radio control within **2 minutes**
  - From more than 2000 sirens in the Slovak national warning system we can obtain feedback using combination of radio & line control within **10 minutes**



# Electronic siren PAVIAN



**It works always when you need**

Modern concept of the siren:

- Includes advanced autotesting function of all modules & communication lines, so that possible failure is diagnosed early and sirens are always ready to activate,
- Brings the high efficiency transfer of electric energy into acoustic energy, thereby minimizing the consumption and waste heat, which in turn increases the reliability,
- Allows use of multiple control channels, eliminating the possibility of failure of one of them in the case of emergency, and/or depending on the type of expected events it is possible to choose the most appropriate one,
- Brings the modern integrated charger which provides power supply for a siren, intelligent charging of accumulators in modes that ensure maximizing of their life, contains circuits of overvoltage protection, tests accumulators by a current stress test, scans the state of the main circuit breaker,
- Enables use of modern manufacturing processes with high output test resulting in a high reliability

# Electronic siren PAVIAN



## It speaks your language

Tuned acoustics in all chain:

- Replaying of warning messages from the internal digital memory, conventional radio & television broadcasts, live reports and reports from various external sources,
- Modern electronics provides such processing of audio signals that the alarm itself is audible at longer distances, and the spoken word is understandable at the highest possible level,
- Using efficient compression drivers enables to concentrate the high performance in one place,
- Hyperbolic horns further maximize the acoustic performance of drivers,
- Tuning of the acoustic chain results in maximizing of the acoustic pressure of the warning signal & also in an excellent speech intelligibility

# Electronic siren PAVIAN



More than a siren...

Modern communication & automation device:

- Various sensors can be connected to PAVIAN sirens, e.g. sensors for monitoring of hazardous materials,
- Data obtained from such sensors can be transmitted within the siren communication network,
- Programming of data processing algorithms using simple script language is possible,
- PAVIAN sirens have outputs for control of other devices & equipment, e.g. (beacons, gates, doors, etc.)



Thank you for your attention.

 telegrafia®  
... we are the solution



**Questions?**