EN 54-4 certified

EN 54-16 certified

EN 54-24 certified

CERTIFIED SECURITY ACCORDING TO EN 54

FOR RCS VOICE EVACUATION SYSTEMS AND THEIR COMPONENTS

CERTIFIED SECURITY ACCORDING TO EN 54

EN 54-24 certified — Voice Alarming-Speaker

The two RCS voice alarm systems VARES-1000® or VARES-3000® are the ideal solution for evacuation and announcements, communication and background music in public buildings, such as department stores, government agencies, recreational facilities, industrial and educational buildings.

COMPLETE VOICE EVACUATION SYSTEM

EN 54-16 Voice Evacuation System (VAS)

EN 54-16 certified

A VA-system is complete if it is connected to the fire detection system.

The requirements for planning, construction and operation of a voice evacuation system describes the application of DIN VDE 0833-4. The demand on the equipment is prescribed in the product norm EN 54-16.

Since April, 1st. 2011 voice evacuation systems must be tested and certified to EN 54-16.

The testing of the products and the examination of the manufacturing plant guarantees a high product quality.

VOICE EVACUATION SPEAKER

EN 54-24 Voice Alarm Speaker for a Voice Evacuation System (VAS)

EN 54-24 certified

The EN 54-24 describes the requirements for loudspeakers of a voice evacuation system. These loudspeakers must be tested and certified by a notified product certification authority.

This certification includes testing of the products (long-term stability, acoustical values) and examination of the manufacturing plant.

We produce these speakers in our own production line in Germany and we meet all of the certification criteria.

EMERGENCY POWER SUPPLY

EN 54-4 Emergency Power Supply for a Voice Evacuation System (VAS)

EN 54-4 certified

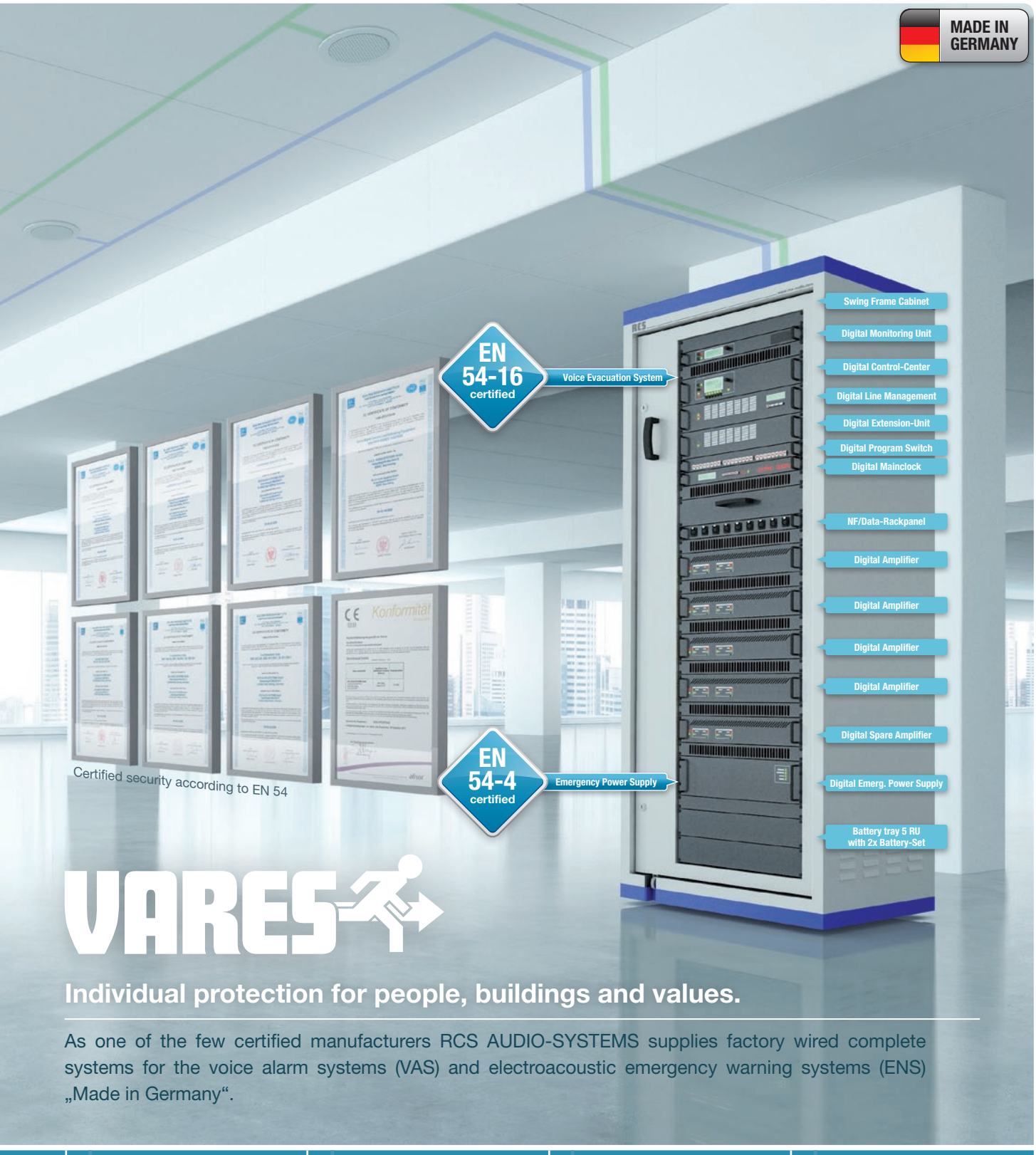
The third essential product norm for voice evacuation system is EN-54-4

This refers to the emergency power supply of the VA and additional controlling of the accumulators stability.

TÜV certified **ISO 9001:2008**

Mitglied der Leistungsgemeinschaft Beschallungstechnik im ZVEI-Fachverband Sicherheitssysteme

CERTIFIED SECURITY ACCORDING TO EN 54



Individual protection for people, buildings and values.

As one of the few certified manufacturers RCS AUDIO-SYSTEMS supplies factory wired complete systems for the voice alarm systems (VAS) and electroacoustic emergency warning systems (ENS) „Made in Germany“.

efficient ✓ | **full digital** ✓ | **secure** ✓ | **qualitative** ✓

SAFETY**CONCEPT** FOR **EMERGENCY SITUATIONS**

DIRECT COMMUNICATION BETWEEN EMPLOYEES AND EXPOSED PERSONS

Intercom systems make it possible to communicate with the permanently occupied post and receive instructions in the event of an emergency.

Events such as rampages, as well as attacks on people in schools and public buildings, make it clear that the use of emergency and danger response systems (NGRS) can minimize risks.

The Advantage of Emergency and Danger Intercoms (NGS):
In contrast to visual or acoustic alarms, an intercom system can be used to remotley evaluate the situation by voice communication and thus initiate appropriate intervention, protection and rescue operations. It can, for example, communicate directly from the classroom to the secretariat or defined emergency personnel.
The intervention forces can then use a NGS to selectively provide directions to different building zones or rooms and exclude parts of the building from announcements so as not to inadvertently warn potential offenders of police intervention.

In connection with a voice alarm (VAS), an emergency and danger response system provides substantial added value.

In addition to the security-relevant, fast and point-specific alerting in an emergency, a single system fulfils many important functions of everyday life
For example, the clock controls, the school gong, announcements or the sound of auditorium and sports halls.

»It can be e.g. communicated directly from the classroom to the secretariat or defined emergency personnel without calling the entire building through a group call ... «

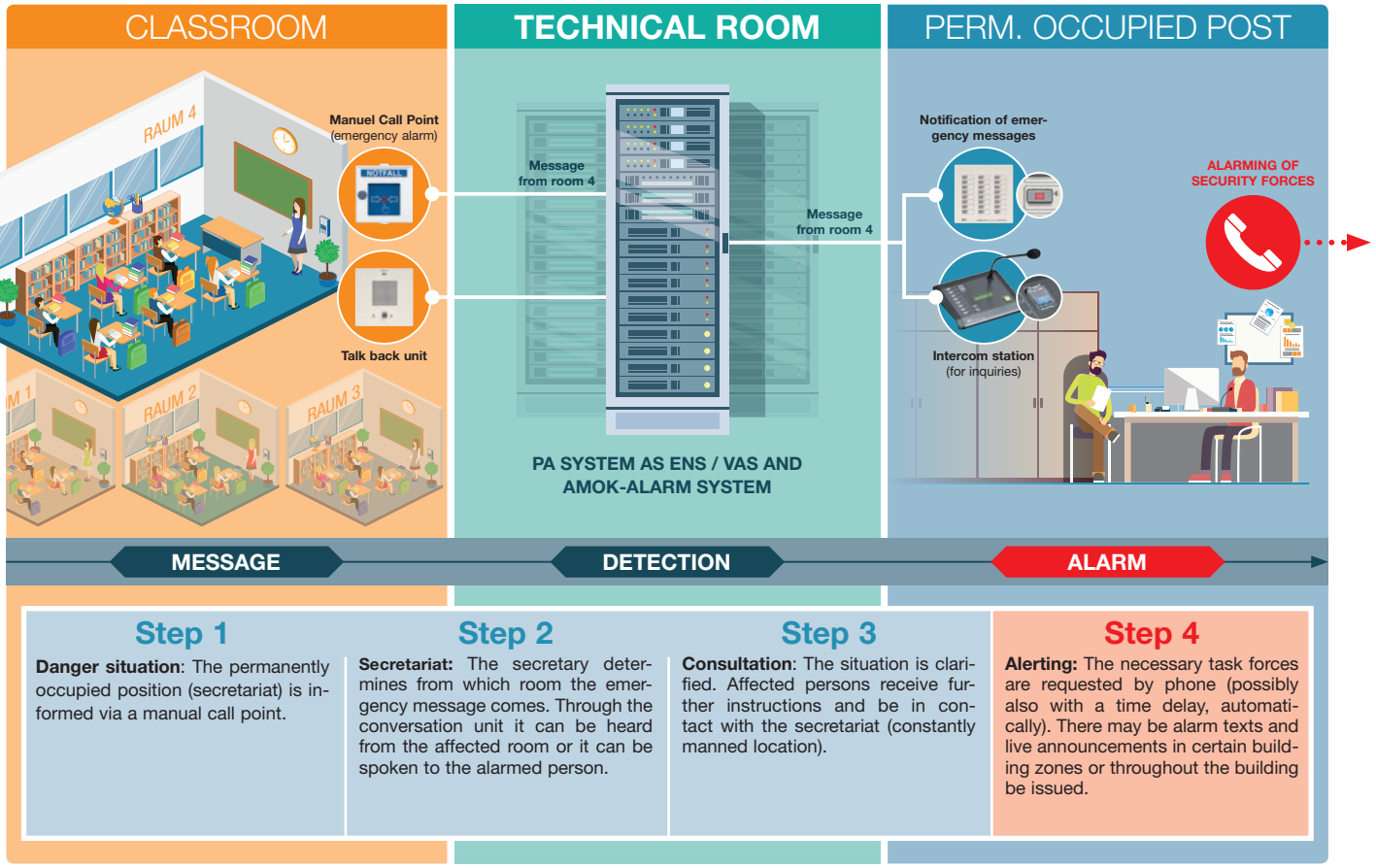
Especially in complex dangerous situations, such as a possible rampage it represents, the VAS is far superior to a siren-based alarm system.

DIN VDE 0827

The standard **DIN VDE 0827**, which has been in force since 1 July 2016, addresses precisely this issue.
In particular, to protect all persons in the building, Part 2 of the standard mentions requirements for emergency and danger-control intercoms (NGS) in public buildings, e.g. schools, universities, government agencies and similar institutions. These are used to transmit emergency and danger reports to a pre-designated service provider.
These are used to transmit emergency and danger reports to a relevant emergency service.

LIVE SAVING VOICE EVACUATION

EMERGENCY AND DANGERS - REACTIONS SYSTEMS (NGRS)



Step 1

Danger situation: The permanently occupied position (secretariat) is informed via a manual call point.

Step 2

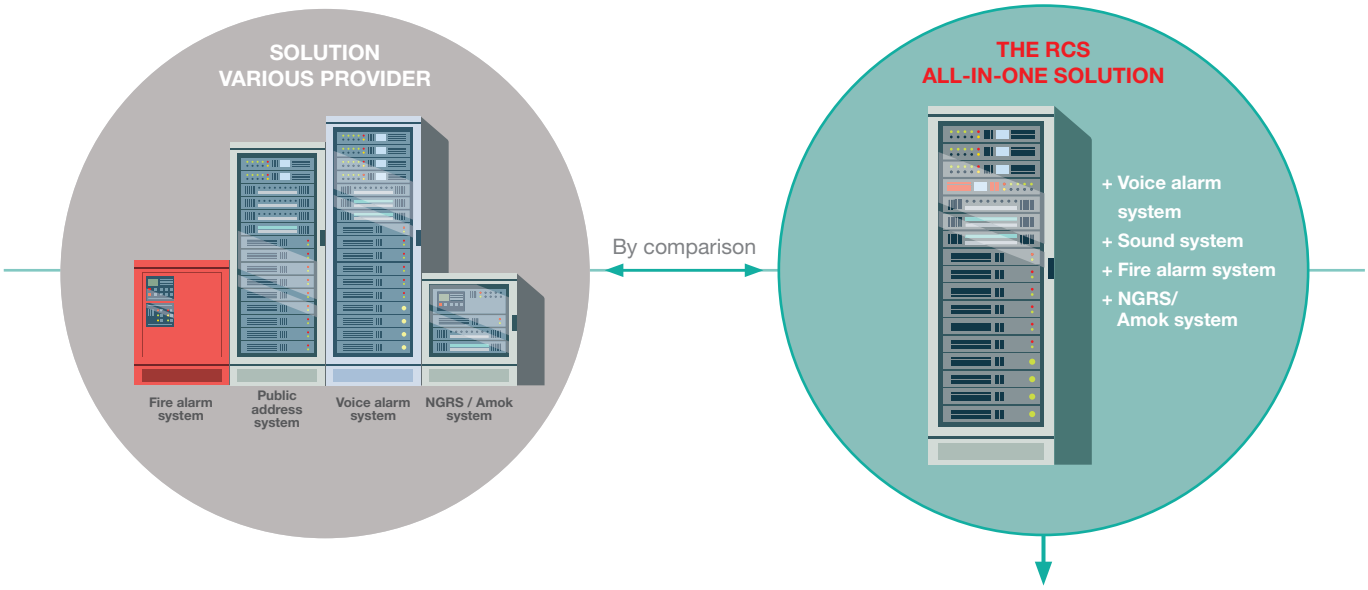
Secretariat: The secretary determines from which room the emergency message comes. Through the conversation unit it can be heard from the affected room or it can be spoken to the alarmed person.

Step 3

Consultation: The situation is clarified. Affected persons receive further instructions and be in contact with the secretariat (constantly manned location).

Step 4

Alerting: The necessary task forces are requested by phone (possibly also with a time delay, automatically). There may be alarm texts and live announcements in certain building zones or throughout the building be issued.



THE RCS ALL-IN-ONE SOLUTION ENABLES ...

... IN CASE OF EMERGENCY:

- + Alarm and emergency call
- + Speech dialogue with the control center or the emergency services - also in groups
- + Queries and discrete “listening in” in case of alarm
- + Triggering individual or automatic voice announcements

... EVERYDAY: (in connection with a VAS)

- + Announcement and call system
- + Fire alarm system
- + Clock systems and pause signal management
- + Sound system of auditorium, sports and gyms
- + Inductive loop system