MOBILE SECURITY ROBOT

MOSRO
SIMPLY
MORE SECURITY

ROBOWATCH
TECHNOLOGIES

MOSRO IN ACTION

Monday, three in the morning: MOSRO's shrill siren gives the burglar a fright. Did anybody hear me? What is this? What's it doing?

The thing is moving and it seems to watch me!

Thanks to the combination of video imaging, sound and motion detectors the control room already knows what is happening and an action force is already on the way.

MOSRO

ALARM EVENT/AREAS OF APPLICATION

SURVEILLANCE OF INDUSTRIAL HALLS AND WAREHOUSES

In order to protect people and assets, quality of information is the all-deciding factor. Fast responses are only possible with the knowledge of type and extent of the danger as well as the exact position of its source. MOSRO keeps constant watch over large areas of company grounds and external properties.

Deployments to date: automobile industry, chemical industry, logistics sector

TRACKING DOWN DANGEROUS SUBSTANCES

Through the use of integrated gas-measuring technology, MOSRO continuously screens the ambient air and measures concentrations of toxic gases and vapours staff may be subjected to. If the highly sensitive sensors detect a source dangerous to people or the running of processes, MOSRO will alarm the control room and transmit an exact substance analysis.

Areas of application: IT centres, paint shops, printing houses

EVENT PROTECTION

Whether annual meeting, trade fair or international sport event – security at big events is indispensable. In regard to temporary use in particular, installing stationary technology is often extensive and costly. In only a few minutes, MOSRO is operational and complements conventional security concepts.

In museums, for instance, MOSRO is either permanently on patrol (patrol mode) or provides temporary protection of events in non-secured areas such as in the foyer of exhibitions.

Deployments to date: Ice Hockey World Championship 2004, annual meetings of DaimlerChrysler AG and Allianz AG
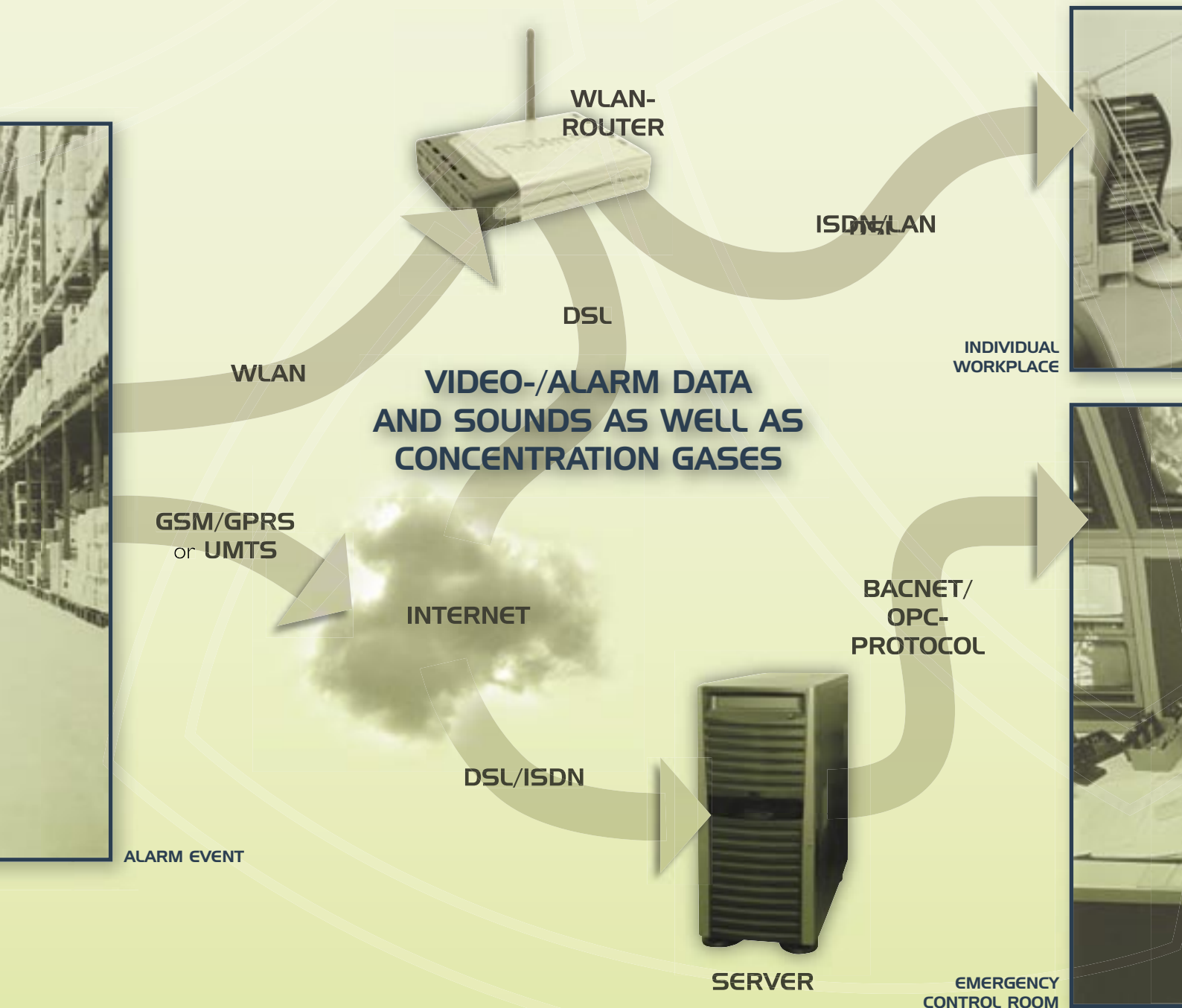
MOSRO
DATA TRANSMISSION

ALARM NOTIFICATION WITH REDUNDANT CHANNELS

You decide on the method you want MOSRO to transmit its information to the control room! The connection to the service provider or client – whether stationary, demand responsive or both – is effected via LAN, ISDN, DSL and/or GSM/GPRS/UMTS. The manner of data transmission can quickly and easily be adjusted to changed requirements and environments. If, for instance, there is no available communication infrastructure in the area of application, MOSRO will use GSM/GPRS or UMTS instead. In order to connect to a familiar system of headquarters, an alarm server will convert information provided by MOSRO into common OPC and BACnet protocols.

WLAN-
ROUTER

ISDN/LAN

DSL

INDIVIDUAL
WORKPLACE

WLAN

VIDEO-/ALARM DATA
AND SOUNDS AS WELL AS
CONCENTRATION GASES

GSM/GPRS
or UMTS

BACNET/
OPC-
PROTOCOL

INTERNET

DSL/ISDN

ALARM EVENT

SERVER

EMERGENCY
CONTROL ROOM

MOSRO
ALARM PROCESSING/INTERVENTION

ROBOWATCH
T E C H N O L O G I E S

DIRECT AND APPROPRIATE REACTION

The mobile security robot MOSRO provides the control room with all necessary information. These form the basis to assess the situation and facilitate a well-targeted and relevant reaction by security staff.

IN IMMEDIATE VICINITY IN THE EVENT OF AN ALARM

By means of defined interfaces, MOSRO transmits multimedia information to the control room, thus providing clarifying insights. Through the visual and acoustic information provided to the control room, the emergency services control centre is directly connected to the scene of events. A two-way intercom allows for a live audio connection.

BASIC EQUIPMENT MASTERCONTROL

Centrepieces of the control room software – Mastercontrol – are individual layout charts and sensor data. They facilitate a fast overview of the monitored areas and show the exact location of the mobile security robot. One mouse click suffices, and the central list includes detailed information about the alarm event. By means of exact locating, reaction forces can be deployed efficiently.

Alternatively, events can be automatically transmitted to familiar control rooms, management systems or other terminals.

MOSRO

MOBILITY CREATES SECURITY

Everybody and everything is moving: people, assets, information. Mobility results in new chances but also added risk. Wherever new possibilities are created, security is required to not cross certain borders. In a complex environment, the necessary safeguarding and securing, controlling and reacting are thus only possible with a combination of stationary and mobile security technology.

Fingerprint sensor **1**

Antennae **2**

Camera **3**

Siren and warning light **4**

Radar sensors **5**

Passive infrared **6**
and motion detectors

Loudspeakers **7**

Ultrasound sensors **8**

Gas-measuring **9**
sensors

Ultrasound sensors/ **10**
navigation

Infrared sensors **11**

Height: 118 cm
Depth: 30 cm
Weight: 25 kg
Speed: 4 km/h
Stand-by time: 14 – 16 h

ADJUSTED TO HEAD

Passive infrared sensors (12 m / 360°) detect movements by measuring local changes in thermal fields resulting from radiated body heat.
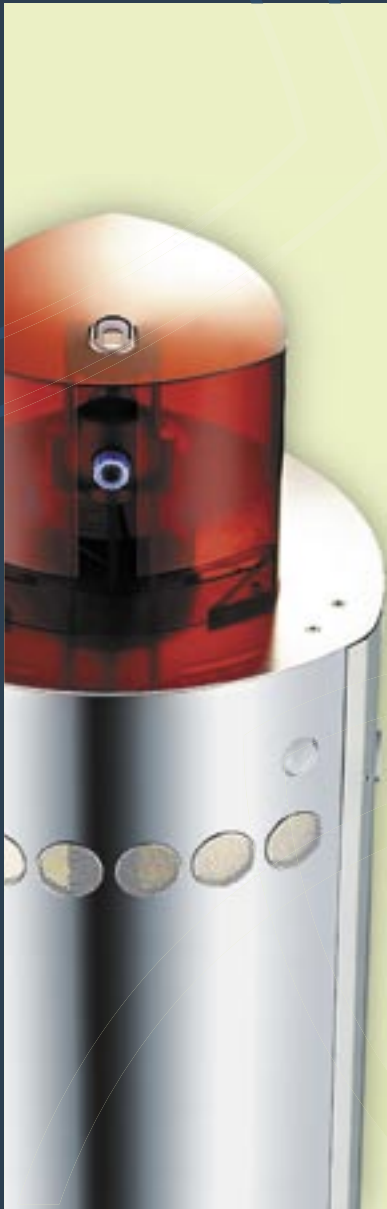
MOTION KNOWS NO FRONTIERS

Whether in absolute darkness or through partition walls: by employing radar sensors (30 m / 360°) MOSRO reliably recognises – even while moving – foreign movements.

VIGILANT IN ALL AREAS

Mobile video surveillance serves visual, real-time control and the identification of intruders.

MOVEMENT IN GAS DETECTION

Highly sensitive gas-measuring technology detects numerous toxic or explosive gases such as carbon monoxide (CO) or methane (CH_4).

Drägersafety

SECURITY PAYS

Wherever you are, whatever you do: You profit from our mobile security robots, which will help you gain room for decisions and increased comfort – with economic solutions, which - due to their technology – offer lasting security of investment.

The combination of reliable elements of security technology on a moving base, brief installation times and flexible options of deployment secure you a deciding competitive advantage. An investment, which quickly pays off!

Ask us for concepts for a mobile solution!

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