



## Quick reaction to fire alarms ensures the highest security



**"Our firemen are now able to reach any fire spot in less than 4 minutes, no matter where they were in the first place"**

*Erling Andersen, Project Manager for the Security System*



DR (Danish Broadcasting Corporation) is Denmark's oldest and largest electronic media enterprise that runs 4 nationwide FM radio stations, 13 Digital Audio Broadcast stations and 11 additional web radio stations, plus 2 television channels and an extensive website. DR employs 3,500 people and more than half of them work in the Copenhagen area.

Zonith has delivered a solution to DR Byen that ensures quick response time to alarms. The solution has been approved by the Fire Department and it is reliable, quick, and easy to use.

### The business needs

In 2006 DR moved all of its scattered activities in Copenhagen to a brand new building complex called DR Byen. The center is 6 floors high and covers around 125,000m<sup>2</sup> – a gigantic area corresponding to 11 football fields.

DR Byen being state of the art within building control and monitoring, has a very advanced fire detection system from the Swedish company Salwico. In the whole complex there is a huge number of 8,000 fire sensors installed.

The Fire Department should approve the building as being fire safe but the requirements about a constant 24x7 firemen watch over the whole complex were very strict.

It was a prerequisite for the approval that the firemen on duty in the building would receive and acknowledge any fire alarm within 30 seconds. If the acknowledgement was not done in less than 30 seconds the fire brigade should be notified automatically.

### In Short

#### The needs

DR Byen is a huge, modern building complex with large and advanced maintenance and alarm systems. Strict safety and fire-fighting requirements enforce a need for a reliable alarm control system that ensures quick response time to fire alarms.

#### Solution

ZONITH Alarm Control System integrates to the fire detection system, and notifies the firemen on their TETRA radios with detailed information when alarms are raised. The solution is so quick that the firemen can react to events within 30 seconds.

#### Benefits

1. Reaction in no time even on the large area
2. Reliability
3. Easiness of use
4. Costs reduction

**“ The TETRA Alarm Control System is very easy to use for all of our firemen. Receiving an alarm and acknowledging it is child’s play. It works perfectly in demanding alarm situations ”**

*Erling Andersen, Project Manager for the Security System*



15-2-07, 19:21  
**Fire alarm!**  
 Building C; room 215.  
 Gate code: 37GK98



**Solution**

DR Byen decided to install Zonith’s TETRA Alarm Control System as the automatic alarm control and notification system based on a TETRA network. The solution consists of:

1. TETRA Alarm Control System
2. An integration to the Salwico fire detection system
3. TETRA radios for the firemen

The Salwico fire detection system monitors all the fire detectors in the building complex. Should a fire be detected then the system informs immediately the TETRA Alarm Control System of what is happening and where.

The TETRA Alarm Control System generates an alarm and, according to an intelligent watch schedule, automatically notifies the firemen on duty on their TETRA radios. They can acknowledge a message immediately and just run directly to the place.

Being absolutely automatic, the whole alarm notification process is done in less than 30 seconds.

**Benefits at a glance**

- ▶ **Reaction in no time even on the large area**

“Our fire detection system provides us with complex information about a danger. TETRA Alarm Control System makes it possible to deliver immediately all this crucial information to the firemen on duty wherever they are at the moment” says Erling Andersen. “Thanks to this solution

our firemen are able to reach the spot of action in less than 4 minutes, no matter where they were in the first place”.

▶ **Reliability**

With the TETRA Alarm Control System everything works fully automatically, which makes it an efficient and fast solution.

▶ **Easiness of use**

“When dealing with danger situations, complicated procedures are absolutely useless”, assures Erling Andersen. “TETRA Alarm Control System is very easy to use for all of our firemen. Receiving an alarm and acknowledging it is child’s play. It works perfectly in demanding alarm situations”.

▶ **Costs reduction**

“With TETRA Alarm Control System our whole fire fighting solution was approved by the Fire Department. We could even reduce the number of firemen on the location”, says Erling Andersen, “The numbers just speak for themselves: to ensure 24x7 watch of the building complex we now have 12 firemen, but without the TETRA Alarm Control System we would have to have 50 firemen”.

In case of calling a fire brigade to a false alarm, DR Byen has to cover the arrival expenses. “Half of our fire alarms are in fact false”, Erling Andersen says, “We are very happy that we can identify them quickly and not having to call the fire brigade each time”.