



CASE STORY: SAXENHOJ PSYCHIATRIC HOSPITAL

DR (Danish Broadcasting Corporation) is Denmark's oldest and largest electronic media enterprise. DR employs 3,500 people and more than half of them work in the Copenhagen area.

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 125,000m² – a gigantic area corresponding to 11 football fields. DR Byen 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.

Requirements:

- On duty fireman must acknowledge any fire alarm within 30 seconds, otherwise it should be escalated to the fire brigade
- Integration of existing Salwico fire alarm system
- Provide staff with radios run over the TETRA network
- Reduce costs if possible

Key Benefits:

- Short reaction time in a large area
- Reliability through automatic alarm handling
- Ease of use
- Costs reduction
- Increases staff safety
- alarm notification process is done in less than 30 seconds

“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

THE SOLUTION

Acknowledging fire alarms:

DR Byen decided to install Zonith's TETRA Alarm Control System (ACS) as the automatic alarm control and notification system based on a TETRA network.

The ACS generates an alarm and, according to an intelligent watch schedule, automatically notifies the firemen on duty on their TETRA radios.

The fireman can then acknowledge a message immediately and run directly to the location. Being absolutely automatic, the whole alarm notification process is done in less than 30 seconds.

Integration of fire alarms:

The Salwico fire detection system monitors all the fire detectors in the building complex. Should a fire be detected, the system informs the TETRA Alarm Control System of what is happening and where. As this fire system was already in place at DR Byen, it became essential to integrate it with the ACS in order to save time and money.

Provision of radios:

TETRA radios were deployed to DR Byen so the fireman could handle alarms from the ground. The radios were an essential piece of hardware, opening a line of communication between the fireman and the Alarm Control System.

Costs reduction:

The solution deployed by Zonith significantly reduced costs for DR Byen. Erling Anderson, Project Manager for the Security System, said that "with the TETRA Alarm Control System our whole fire fighting solution was approved by the Fire De-partment. We could even reduce the number of firemen at the location".

"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 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

- Short reaction time in a large area
- Reliability through automatic alarm handling
- Ease of use
- Costs reduction