AŽD Praha

SPECIAL TECHNOLOGY DEPARTMENT

INTEGRATED SECURITY SOLUTIONS

AŽD PRAHA

- **Fire Protection Systems – FPS**
  It is a necessary part of all buildings both with and without movement of persons, storage spaces etc., as a basic means for eliminating damage to the property and human lives. In connection with the CCTV, the switching on of a camera can be activated together with recording of the area of arised fire danger.
- **Telephones, Home Phones, Videophones – T, OT, VOT**
  Basic communication technology in support of saying „No connection, no commanding".
- **Structured Cabling, Data Networks – IT**
  Basic data communication for information exchange both inside and outside the organization.
- **Television Distributors – STA**
  Provision of public TV services – a complex complement of premises communication technologies.
- **Measurement and Control Systems – MAR, SCADA**
  They evaluate, either separately or in connection with other security systems, series of variables, after evaluating of which they provide feed-back for the selective control of technological units – for example in connection with ACS they analyse that nobody is present in a certain area and, for example, turn off lights, air conditioning and reduce heating there.
- **Electric power and light current distributions**
  Revision of existing and installation of new cablings and switchboards – within complex turnkey services or separately.
- **Automatic Vehicle Entry System, Vehicles Licence Plates Recognition**
  Important complement, extending the usage of the ACS system and also for registration of movement of vehicles inside the area.

OUR MOST IMPORTANT PARTNERS:

- Czech Ministry of Internal Affairs and the Czech police
- Czech Ministry of Justice
- Prison Service of the Czech Republic
- Skanska
- National Security Office
- Prague Water Supply and Sewage Company
- Prague Water Management Autority
- Prison Service of the Slovak Republic
- Prague Public Transportation and Underground

BECOME THE NEXT SATISFIED AŽD PRAHA CUSTOMER.

CONTACTS: For your questions and respective inquiries contact the following representatives:
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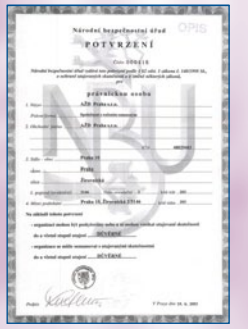
ABOUT US AND FOR WHOM WE ARE HERE



AŽD Praha s.r.o. company is a major Czech company, acting both on the Czech market and abroad for more than 55 years. The company employs more than 1700 of qualified staff and its annual turnover exceeds CZK 5 bn (equivalent to Euro 200 million).

The targed scope of users of the object and premises security systems and services, offered by us, is very large. Our solutions are primarily intended to ensure demanding requirements of safeguarding buildings and objects with a special importance, which belong to the Ministry of Internal Affairs and the Czech police, the Ministry of Justice (incl. prisons), the Ministry of Defence and the objects of water-resource management, power and petro-chemical industry. Furthermore, they are successfully applied in other industrial and administrative premises, health care facilities, shopping centres or residential complexes. Special attention is paid to security requirements of the ČD (Czech Railways) buildings and facilities, which is an environment well known to our company thanks to the fact that the main business of AŽD Praha is a production and supply of signaling systems for railways.

The quality of services provided by us is guaranteed by the company integrated management system certified by NBÚ (National Security Office) and by several auditing companies according to the ISO 9001, ISO 14001 and OHSAS 18001 international standards.

SERVICES OFFERED

AŽD Praha through its Special Technology Department offers a wide range of activities in the area of premises security, ensuring many services in order to satisfy our customers. Services are supplied according to their needs and demands either individually or as turnkey solutions. These services are represented by a wide range of activities:

- Systematic analyses of security and regime needs (or requirements) of the customer
- Design of a complex turnkey solution according to the analysed requirements of the customer with the aim to achieve a maximum positive price/performance ratio
- Elaboration of design studies and design projects at all levels
- Proposal on implementation, including solution of the potential intermediate state (e.g. while switching from the old equipment to the new one etc.)
- Assuring of installation, activation and revision of the supplied systems
- Training of operators and assistance in creating security organisational arrangements
- Provision of in-warranty and post-warranty service incl. spare parts availability.

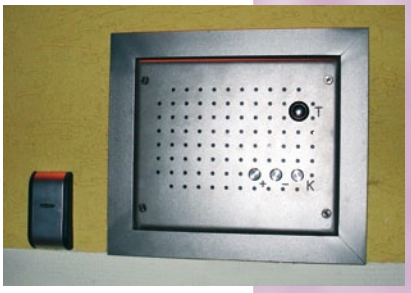
Generally, it can be said that services provided by the AŽD Praha company represent a complex and integrated turnkey solution including both the technology part and also the security-organisational part.

SUPPLIED TECHNOLOGIES

In order to accomplish the premises security, the AŽD Praha company supplies the following products:

- **Intrusion Detection Systems – IDS**
  Electronic elements indicate unauthorized opening of doors, windows, bars, entry into the specified area, breaking of windows etc. This undesirable state is consequently locally reported – buzzer and/or beacon or alarm states of individual sensors are concentrated into one place for evaluation (control room, operations centre, central protection panel, etc.)
- **Perimeter Protection Systems – Perimetry**
  Perimetric systems (MW barriers, IR latches, fence and ground systems) move the indication of unauthorized intrusion to the border of the protected area, which significantly increases the degree of protection of buildings inside this area.

- **Camera Systems – CCTV**
  Used individually, they enable the remote supervision of areas, which are for example without attendants. Shots can be recorded permanently or on command of the operator/supervisor. In connection with the IDS system, perimetric system and/or FPS and/or ACS, it is possible, for example, to program the system in a manner, that the appropriate camera and recording will start automatically at the moment, when one of the sensors reports an alarm. Camera systems use both fix and rotating cameras. Both analog an digital (IP) cameras may be used. Recording is typically implemented via network attached storage devices.
- **Access Control Systems – ACS**
  It enables to register entry and exit of persons to different areas and facilities. Especially in connection with controlling of locks (i.e. passage permit), it is possible to create categories of access authorizations. Or in connection with personal pagers the ACS system will enable, in case of generating an emergency signal, to detect exactly, where the attack occurred (and for example in connection with the CCTV, switching on the respective camera and recording the area of attack location) and who was attacked. Attendance check and allowance payment in canteen etc. can also become a part of this system.



- **Broadcasting systems, Sounding systems, Intercoms**
  A complement to the main security systems – for example for announcing a fire alarm in the given area. Broadcasting and intercom systems ensure communication in important premises such as for example prison service.