



envitech

Environment
monitoring
systems



Ing. Zdeněk Grepel,
Company Director

Main strategy of the ENVltech Bohemia s.r.o. is providing to the customer as complete range of the goods as possible in highest possible quality. Our customers are all persons, who wish to monitor the atmosphere, to implement the emergency system for safety of their operations, to comply with the act on measuring of emissions, but also persons, who purchase single temperature sensor from us. All these can rely on the fact that our deliveries and services will provide them an advantage of perspective solution for several years ahead.

The ENVltech Bohemia s.r.o. is recorded in the Business Registry for more than 25 years. Today, our customers have access to stable, prosperous company with rich experience, sufficient financial background and complex production range. Our employees warrant providing of high-quality services due to their qualification and experience. Majority of them work with us for more than 10 years and we are proud on the fact that employees do not leave us each year and their fluctuation is at the minimum level.

Today, we are ready to serve you from Prague, Brno, Valašské Meziříčí, Trenčína, or even from Kyrenia, North Cyprus. Our devices and results of our services can be found from Cheb to Beirut, Lebanon. Its only proper to express thanks to all our customers, suppliers and employees. Surely we must thank to owners of the company for long-term vision and perspicacious business strategy.

For many years of its existence, the ENVltech Bohemia s.r.o. continuously builds its inner structure, control and management system to be a modern and prosperous company with firm position on inland and foreign markets. The company executes its deliveries and provides its services on basis of stable cooperation with its foreign partners, long-term experience, trained work team and with maximum emphasis to satisfaction of the customer and environment protection.

You are faced with our new catalogue representing basic areas of our production and their brief description. I believe that you will find here solutions of your problems and a competitive, reliable and stable business partner.



Monitoring Systems

The environment monitoring systems are in long-term the most important group of products within range of the ENVltech Bohemia s.r.o.. The company has specialised to the environment monitoring system since its foundation in 1992 with focus to continuous modernisation of the offered products. The ENVltech Bohemia s.r.o. designs and delivers complex systems and stations for continuous automated monitoring of environment in so-called key-ready mode, as well as individual measuring devices, particularly automatic analysers. The monitoring stations can include continuous analysers of both gaseous pollutants, and dust aerosols. The monitoring stations can be delivered either in stable, or in mobile version. Apart from the automatic monitoring systems, the company is also focused to sample taking devices for dust aerosols and gaseous pollutants. The samples are then intended to laboratory analysis.





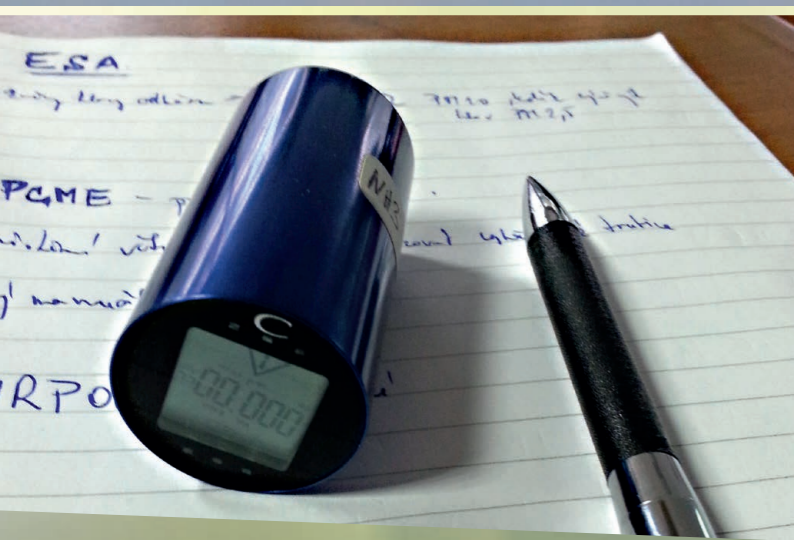
Continuous Emission Measuring Systems

The ENVItech Bohemia s.r.o. offers complex solution of the continuous emission monitoring. The supplies cover analysers of renown world producers, incl. all services related to the system commissioning. To enable easy operation of the system, the supply covers also proprietary advanced user-friendly software tailored to requirements of the customer. Apart from the supplies, the ENVItech Bohemia s.r.o. provides professional services, which guarantee the high-quality emission measurement.

Calibration Systems and Measuring Technology in NANO Range

The ENVItech Bohemia s.r.o. offers wide range of devices serving to measurement of particle concentrations in NANO range and complete calibration systems. For continuously developing area of the NANO technologies, the devices provides best method for measurement of the concentrations, testing of materials or calibrations, which are applied to production quality control not only for producers in the NANO technology area, but also in wide range of production and research areas. Thus the technologically advanced devices are able not only make the production processes more effective, but also protect health of employees in the areas with production of the NANO particles.





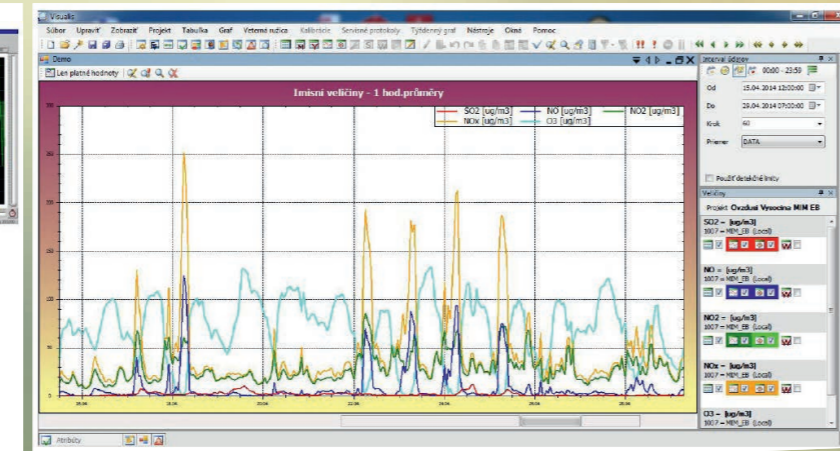
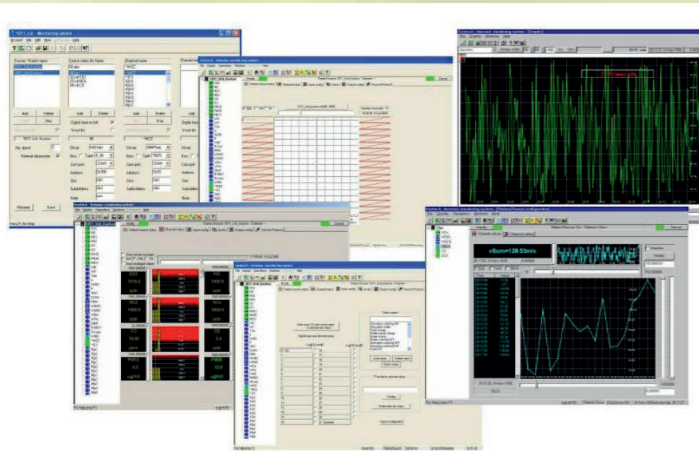
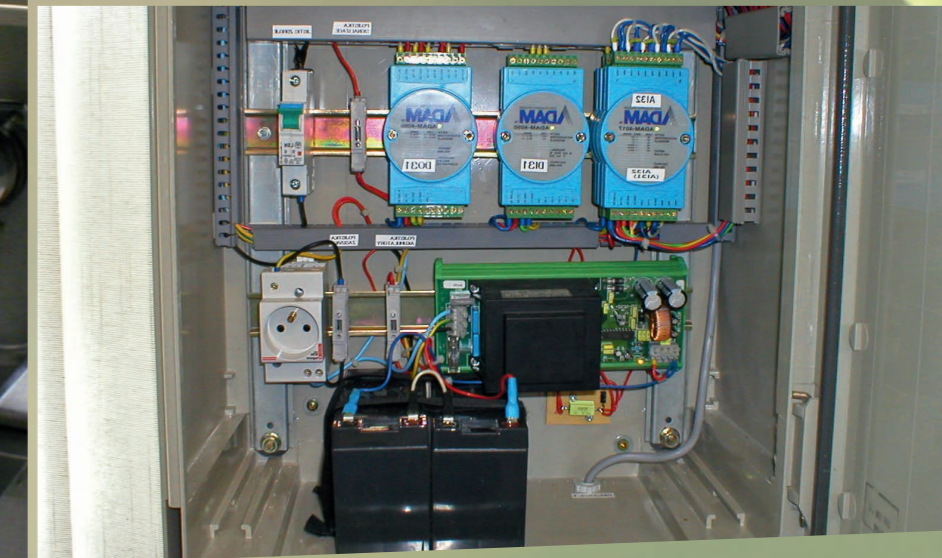
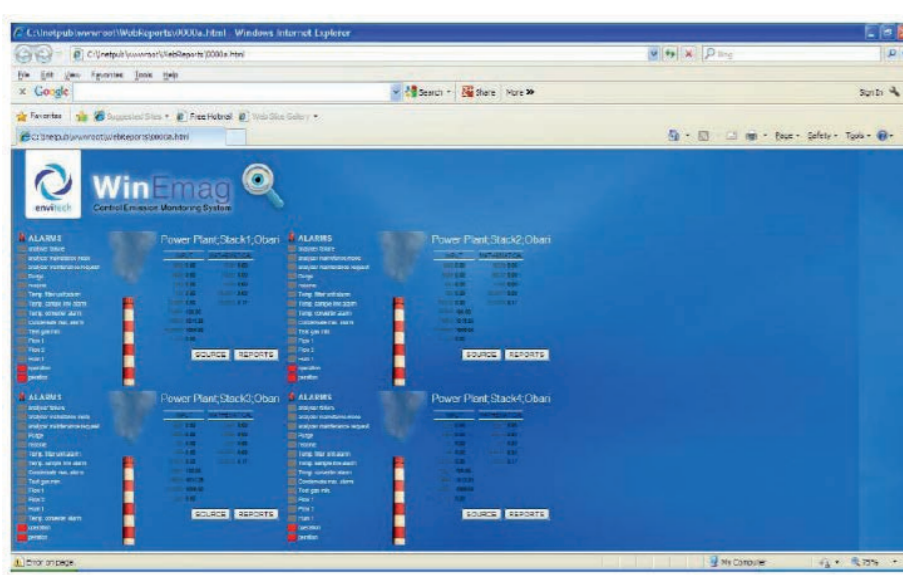
Sensors

The rapid development and miniaturization of semiconductors, or sensory meters respectively, also affected the area of air pollution measurement. It is clear that at present sensory meters cannot replace reference or equivalent devices, but they can certainly be applied. The company ENVitech Bohemia s.r.o. offers simple and inexpensive sensor networks, which can be used in applications based on trend tracking, or the ascertainment of the area distribution of air pollution. Sensory measurement thus provides the necessary information for the Smart Cities concept using drones aerial measurement, odour monitoring, where it is possible to make use of all of their advantages, such as low weight, small dimensions and a favourable price.

Water Quality Measurement Systems

Systems for continuous water quality measurement allow monitoring of chemical substances and physical parameters in various areas of water use. So the solutions offered can be used to monitor the quality of surface and groundwater, natural water in streams and tanks, or water in industrial and technological operations. Checking of the required water parameters serves for the correct treatment of drinking water, or as part of technological measurements at wastewater treatment plants. In addition to these applications, we offer tailor-made solutions that can be used in science and research.





Software

ENVItech Bohemia s.r.o. has been involved on a long-term basis in the development of its own software for controlling of the monitoring systems. The long-term development in this area has brought user-friendly and highly effective programs, which can serve various purposes, such as air pollution and certified emission applications. Software, which is prepared at the request of the customer, is no exception. In addition to classic desktop solutions, cloud or web applications are also available. As a result, the customer can obtain the solution best suited to his needs and requirements for measured data processing and displaying.

Detection Systems

The detection systems of dangerous gases are systems serving to detection of leakage of the dangerous substances in industrial operations. Their early detection can prevent dangerous conditions and protect the human health and property against effects of the toxic and/or explosive gases. Our emergency detection systems consist from set of detectors located in the close proximity of the production facilities and they are connected to automatic control, assessment and visualizing system. This system notifies the operator and control room by means of the acoustic and optical signals or by the SMS messages to occurrence of abnormal situation and shuts down the technological and production equipments in case of leakages of gases, thus providing the emergency prevention.





Services in the Area of Immission and Transport Measurements

The ENVItech Bohemia s.r.o. provides its customers also with services of measurement of the air quality and transport intensity, which are highly linked together. The ENVItech Bohemia s.r.o. holds the Pollutant Immission Measurement Authorisation issued by the Environment Protection Ministry. This authorisation relates to all commonly monitored pollutants, as well as dust aerosols of fractions PM_{10} , $PM_{2,5}$ and organic substances in the atmosphere. The ENVItech Bohemia s.r.o. disposes of complete fitted monitoring vehicles, mobile measuring system and other measuring devices. For the transport measurement service, the company uses its own automatic microwave transport counters.

Education

An important part of the process of protecting and improving the environment is education. People's awareness and their direct contact with the environment is a primary measure that leads to its improvement. As for air cleanliness, this holds true twice as much.

More than 25 years' experience of our company in the area of air pollution is a basis for sufficient expertise, which we use in the field of education. Here we apply our knowledge of individual technologies, technical measures and emission reduction options. Cooperation with professional circles, universities and the state administration creates the foundation of a lecturer's team that is able to deliver the necessary information to the general public.

Educational activities also include the creation of teaching aids, such as e.g. the Virtual Environmental Information Centre (VIC) that brings existing, but disordered information about the environment from various locations to a single centre, where it is logically sorted and organized.



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