

NBC Sys



DEFENCE

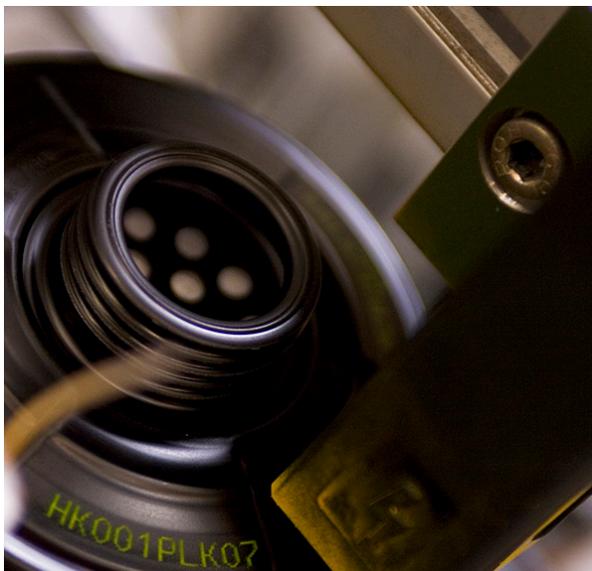
SECURITY

INDUSTRY



PROVIDING CBRN SOLUTIONS IS OUR COMMITMENT

PRESENTATION OF NBC-Sys



Since NBC-SYS was established our everlasting aim is to adapt and create advanced solutions for CBRN detection, identification, protection and decontamination.

In 1951, the GIAT Group established, in Saint-Etienne a Chemical, Biological, Radiological and Nuclear (CBRN) skills centre focussing on infantry individual protection.

In the 70s, at the peak of the Cold War, a significant decision was taken to enlarge and extend the product range to air filtration for armoured vehicles in operational and thorough decontamination.

In 1999, NBC-Sys was founded in Saint-Chamond to cover the continuous need for CBRN solutions which never stop to progress to become an autonomous subsidiary of NEXTER Group in 2006.

Today, NBC-Sys present exclusive knowledge and skills in many CBRN protection technologies, varied range of activities; we design, develop, and manufacture high end equipment and solutions that meet specific and complex needs for CBRN detection, individual and collective protection, operational and thorough decontamination and sample-collection for profound Analysis.

EVOLUTION OF THE CBRN THREAT

Between 600 and 400 BC, the concept of the CBRN threat was essentially based on the specific and limited use of natural chemical or biological harmful substances, intended to weaken the enemy in order to achieve victory the quickest possible.

In the 20th century, modern conflicts modified fundamentally the scale of use of chemical weapons which were considerably used during the First World War.

The presence of the nuclear risk during the Second World War, then rapidly the CBRN Weapons risks became the obvious and main threats. Nowadays, more evil threats came out and the unequal use of CBRNe weapons against innocent civilian populations or operational troops raise an enormous technical and organisational challenge for all Armed Forces, emergency and health services.

NEXTER ORGANISATION

MISSIONS AND OBJECTIVES

Following the evolution of currently omnipresent and polymorphic threat, NBC-Sys, has adapted its missions and objectives to meet efficiently the needs and expectations of worldwide customers of any military or industrial accidental or malicious actions.

NBC-Sys, thus, developed a very extensive range of high-performance systems and solutions for individual and collective protection, excellent quality and effective filtration systems for on-board personnel in armoured vehicles engaged in operations in extreme conditions or in fixed or mobile shelters had made us the first and only choice for experts and military users.

NBC-Sys proudly presents advanced and specialized detection kits to military personnel and first responders, for rapid and accurate identification of CBRN threats and risks, considering the guarantee the safety of operations and activities.

NBC-Sys cutting-edge decontamination system for individuals, Vehicles and infrastructures, used in both military and industrial field, are in a perpetual hard work of progress.

The R&D department at NBC-Sys continuously working hard to meet the requirements of CBRNe threats and risks. This engineering department devoted to give and upkeep our top-notch products and resourceful concept to make it easier to accomplish various missions of CBRN Detection, protection, identification and samples collection for Both Military and industrial fields.



▶ **NBC-Sys,**
A SUBSIDIARY
OF NEXTER



**Systems & Programs
Business Unit**



**Ammunition
Business Unit**



**Equipment
Business Unit**



ENGINEERING ACTIVITIES

NBC-Sys has developed complete engineering activities from Design, Research & Development, supported by purchase and production control, commissioning of CBRN protection systems, to fully accomplish and meet all mission objectives.

Research & Development, Production, Sales& Marketing, Purchasing and Contracts departments, a chain of well organised professionals and executives to insure NBC-Sys's pioneer place in CBRN.

Devoted to creativity, engineers and after sales support services are customer oriented to fulfill your needs, requirements and inquiries.



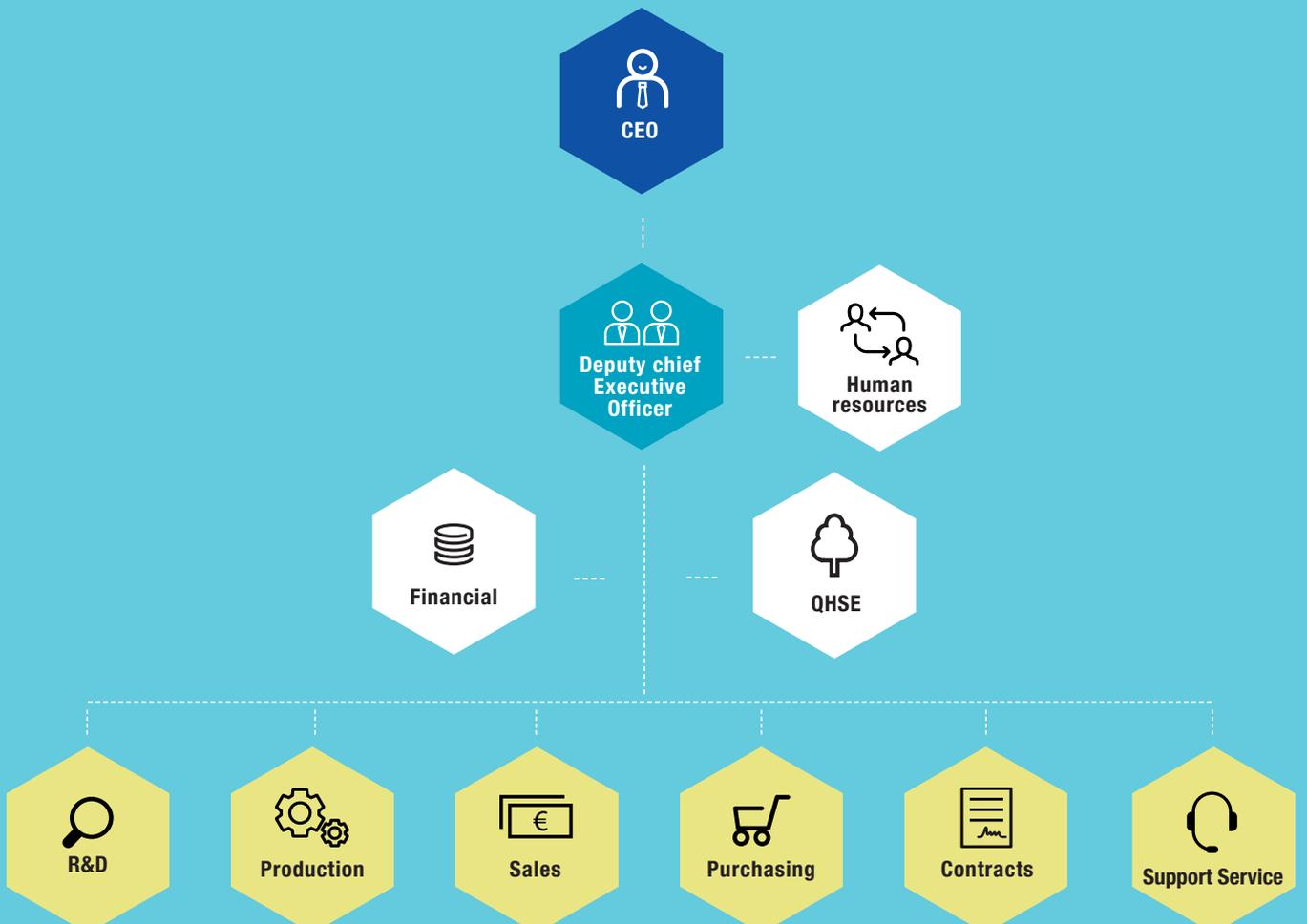


NBC-Sys, skills and know-hows rotate around core competencies and CBRN proficiency are the key reasons of current success. Measurement and tests, thermodynamics, air flow, electronics, mechanical engineering, plastics technology or ergonomics are important elements for Research and Development and Engineering department projection to prepare the future.

NBC-Sys forthcoming policy puts into practice an active strategy all the way through devoting 20% of annual turnover to R&D activities, which enable upholding our lead position in the CBRN protection field.

Working in permanent collaboration, in advanced research, with private, public sectors and university laboratories (CEA, DGA, etc.) allow us to present the best of CBRN products worldwide, particularly to Europe, Asia and the Middle East Markets.

ORGANISATION





DEFENCE

DESIGNER AND PRODUCER OF INNOVATIVE SOLUTIONS AGAINST CBRN THREATS

In a strong position due to more than 80 years' experience, NBC-Sys is able to meet the most complex expectation of armed forces regarding detection, individual and collective protection, and immediate or thorough decontamination systems.

Due to our know-how devoted to innovation, contracting and Customer service, NBC-Sys is a leading company as a result of applying the fundamental principles of CBRN protection, namely "permanence and complementarity", preserving freedom of action and guaranteeing economy of means while at the same time providing a concentration of efforts.

Are you looking for individual or collective protection systems, immediate or thorough decontamination means or even detection systems in the face of threats of Chemical, Biological, Radiological and Nuclear (CBRN) type and of an industrial or military nature in order to respond to risks of an accidental or malicious nature?

NBC-Sys develops main contracting of CBRNe systems in the following areas:

- **R&D** for the development of products
- **Design of systems, up to** first industrial production
- **Testing and qualification**
- **User training**
- **Customer support services** (In-Service Support and spares)
- **Lab test with active toxic agents.**



Guaranteeing its skills in the following areas of expertise:

- **Chemistry**
- **Biology**
- **Air flow** (ventilation to air circulation)
- **Plastics technology**
- **Testing and evaluation** (physics and electronics).

NBC-Sys therefore masters many technologies for protection against CBRN threats and is an expert in the fields of individual protection (breathing apparatuses and filter cartridges) or collective protection (air treatment inside vehicles, ships and buildings), detection of biological agents, in particular, and decontamination for vehicles, sensitive equipment, aircraft and infrastructures or personnel.



A person wearing a full blue protective hazmat suit, including a hood, gloves, and a large black respirator mask covering their nose and mouth. They are pushing a metal stretcher with a black mesh bag hanging from it. The person is walking on a paved surface. In the background, there is a red emergency vehicle with "CM" on its side and a grey van. The scene is outdoors with a building and trees in the distance.

SECURITY

NBC-SYS PROTECTION SYSTEM DEDICATED TO CIVILIAN AND MILITARY PERSONNEL AND FIRST RESPONDERS TEAM.

To enable to deal with an accidental or malicious event of a CBRNe nature and counting on know-hows devoted to innovation, main contracting and customer service, NBC-Sys proposes to first responders in charge of security and aid (fire brigade, police, paramedics, hospitals, etc.), breathing equipment (gas masks, hoods, power-assisted individual protection systems, survival kits, etc.), detection equipment and air filtration systems for vehicles of any type to enable them to do an efficient and permanent job.

Are you looking for individual or collective protection systems, decontamination means for first response personnel, emergency service vehicles, victim reception infrastructures or even detection systems in the face of threats of Chemical, Biological, Radiological and Nuclear (CBRN) type and of an industrial or military nature in order to respond to risks of an accidental or malicious nature?



In this respect, NBC-Sys proposes a vast range of products meeting your needs as regards CBRN defence:

- **ARFC** (civilian respirators with cartridge) **type respirators**
- **EVATOX type hoods** for adults, children or babies, BIOPROTECT hood,
- **Filter cartridges** to suit any type of threat
- **Blower** (breathing assistance, VIP)
- **Survival kit** (individual or medical, assistance kit for gassed and contaminated victims)
- **Air filtration** and air conditioning of emergency service vehicles
- **Emergency or thorough decontamination systems** (dusting glove, mass decontamination kit, gel for treatment of infrastructures, for vehicles and for protected or unprotected contaminated personnel and victims).



A photograph of two workers in white full-body hazmat suits and respirators working on an industrial platform. One worker is leaning over a large pipe, while the other stands nearby. The background shows industrial structures and a clear blue sky. The word "INDUSTRY" is overlaid in large white letters.

INDUSTRY

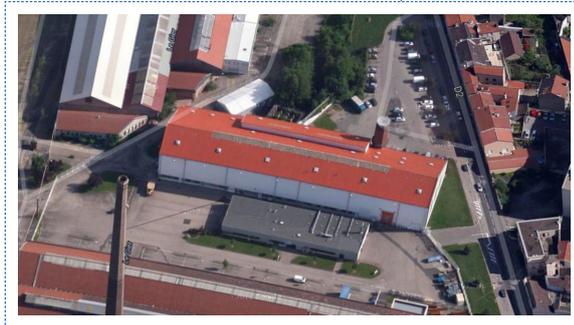
NBC-SYS PROPOSE UP-TO-DATE CBRNE DETECTION, PROTECTION, AND DECONTAMINATION MADE-TO-MEASURE TURNKEY SOLUTIONS.

NBC-Sys produce specific industrial CBRN protection solutions.

NBC-Sys committed to meet any industrial demand for individual protection, site vehicles crew compartment air filtration system, chemical and biological infrastructures decontamination (railway and underground stations, airports, buildings, etc.)

R&D at NBC-Sys was found to meet efficiently and firmly the industrial customers' necessities to work in CBRN risky environments (contaminated sites, factories, etc.)





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