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SV Sistemi di Sicurezza

THE TWENTY-FIVE YEAR ACTIVITIES

SV is a manufacturer of fire alarm control panels Fire & Gas and off, with services and solutions to 360 ° technologically advanced management of firefighting equipment. Our central fire EXFIRE360 is certified according to standard, EN54-2, EN54-4, EN12094-1, EN60079, GOST, CPR, pending IEC 61508, UL 864, Lloyd's Register, for applications at high risk of fire. In addition to the design and production we offer a consulting service and operability in the fire protection and prevention to 360 °. EXFIRE360 is a product made in Italy, Italian result of the professionalism, attention to design, professionalism and ingenuity that distinguish us. We offer it to the national and international market of fire safety, aware that this center will help to improve security against fire, to protect even more lives and save property. SV Sistemi di Sicurezza is present in Italy and in the rest of the world, working with their staff in various countries, for the commissioning of power plants and fire systems certified. Our clients include Italian Ansaldo, Eni, Snam, Marcegaglia, Selex, while abroad include contracts in Germany, Holland, Spain's and Turkey and other countries outside the European Union as Jordan, Taiwan, Algeria, Egypt, Korea , the Dominican Republic, Nigeria, Angola, Saudi Arabia, Egypt, Kuwait, Kazakhstan, Russia, Mexico and Japan. SV security systems fits on the national and international market with continuous new ideas developed entirely within the company, such as remote control systems Fire & Gas, Power 20A in CANBUS, software graphical maps for management systems and fire panels.



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The central EXFIRE360 is designed with the specific goal of being able to monitor the modular units of the same, taking advantage of its advanced diagnostics developed to meet the requirements of functional safety. In this context, the research & development of SV has set two new goals: the certification of a new power supply 20 A redundant "EXPSU20" and a central compact "EXFIREMINI". This prototype will be inserted in the Fire & Gas systems as satellite remote central Master or placed on their own in the field as an independent central; A redundant power supply 20 may instead be installed in the field as a stand alone unit or central EXFIREMINI and communicating with it in CANBUS. In reality methods to provide efficient and flexible customer must have a strong technical organization and cultural systems, fire expertise formed over the years, electronic equipment and cutting edge software, attestations and certifications that enclose the life cycle of the production process, everything to have a proper remote management and facilitate troubleshooting, overcome user errors and reduce the time to resolution. In these formative years, the company's policy has always been strict for the internal growth of the personal and special attention paid to new generations. Our team tests the central Fire & Gas and integrated systems for industrial facilities; preparing continuous staff, various certificates received for making specific training courses, have allowed access to special structures such as offshore platforms, military vessels, environments petrochemicals, refineries, etc ... The documented experiences of our specialists make path full of information, optimizing the best project management and development of the work to perform for the correct operation of the plants. The multiplicity of our knowledge, technical skills and computer allow to face any type of installation is electro On-shore Off-shore, while our flexibility allows us to seek the best approach addressed the commissioning of the plant.



CERTIFICATIONS OBTAINED

Certifications and Skills improve the professional quality

Certifications and Certificates obtained during the last 25 years, the technical skills that the company offers its customers domestic and international, are the result of years of work and perseverance to achieve different objectives, great attention to detail and quality, particular attention to the safety of its personnel. L'attestation, certification and awards, allow us to offer advice to the Companies business owners, warehouses, high-risk plants whose projects are subject to examination and prior opinion of the provincial command of the fire and whose exercise is subject to visit and check for the issue of the "Certificate of fire prevention" (according to Presidential Decree 151/2011). SV Sistemi di Sicurezza has been a partner since 2009 and is part of UNI Body Technician U700004 dedicated to automatic fire detection. This body processes the national technical relating to the design, installation, operation and maintenance of fire detection systems and implements the legislation harmonized.



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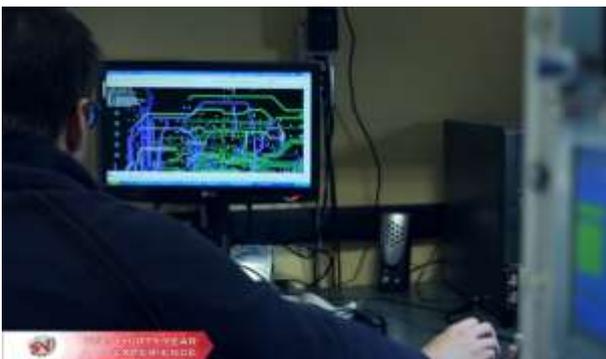


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RESEARCH AND DEVELOPMENT

In 2009 SV Sistemi di Sicurezza felt compelled to invest a considerable sum of money for the creation of a new department of Research & Development within the Fire & Gas. The company's policy has always been strict for the internal growth of the personal and special attention paid to new generations. The creation of this new department has triggered over time a number of mechanisms for the continuous improvement of the professional staff. Innovation is the size of application of an invention or a discovery, concerns a process that ensures greater results, if not always effective and improvements compared to what goes to innovate. The change that brings worsening conditions is not innovation but is recourse. The practical example came the following year in 2010, when he was born the first draft design of a product on which the company wanted to seriously invest and create, the vision of this new prototype summarizing the experience gained in 25 years of activity in the field national and International.



RECHERCHE ET DÉVELOPPEMENT

Born EXFIRE360 middle of last generation. The initial specifications of the Central for its construction have been recovered and written after a long experience in national and international applications with various central systems of different brands. SV has made a virtue of necessity, developing Research & development in Fire Safety in the construction and manufacture of control panels for detection Smoke, Gas, Flame, Sleep fire series EXFIRE360 In 2012 the prototype EXFIRE360 born in the R & D department Fire & Gas became a reality, he made his first outing in the national and international in June 2012, a long and complex work, but the goals were achieved in charge of presenting the first power plant in the world with CanBus technology and touch screen, thanking all the technical staff for reached certifications EN 54-2, EN54-4, EN12094-1, EN60079-29-1 Atex, Gost Russian certificate Hochki protocol and to end the patenting of the same, a record of certifications, taking into account that it will soon be certified IEC 61508 SIL 3, UL 864.



DESIGN OF TECHNICAL SYSTEMS FIRE ATEX CERTIFIED

ENGINEERING SQUARE SIL SPECIAL ATEX EN 60079-29-1

The engineering of fire safety, fire protection engineering also called, is a complex discipline, which deals with scientific methods the problem of choosing the most appropriate security measures. It has been defined for the first time in an official way with a document of the ISO (International Standards Organization) TR 13387 (fire safety engineering). The scientific aspect of this matter is essentially linked to the fact that they can be carried out simulations of the fire with calculation methods, in order to have a pretty good idea of what happens in an environment when a fire breaks out inside. The simulation results, in fact, allow us to understand exactly how much time they have available to people to get away and how long they can resist structures. SV security systems with the new central certified, part of the system by monitoring all inputs in field-GAS FIRE, implementing evacuation plans, and off to save human life, containing with special detection areas at high risk of losses Toxic dedicated in special productions.



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DESIGN OF TECHNICAL SYSTEMS FIRE ATEX CERTIFIED

Our skills allow you to make a full assessment of potentially explosive atmospheres, whether due to the presence of gas from fire dust, through the study of the emission sources, the conditions of ventilation and all other factors as dictated by the requirements of the ATEX reference . After defining the magnitude and extent of the areas at risk we can take security methods most suitable for the type of service requested. The design and implementation of frameworks special certificates for Fire-Gas, born for industrial environments at high risk areas classified Atex, with the configuration Gas Certified, has the duty to alert us to the first level outside the gas outlet, signal processing, and perform a predetermined logic dedicated to the implementation of a safety function, designed for the continuous search for protection of people and environments. The reference standards teach us how to apply values of PFD "probability failure on demand" to a system that has to implement the safety function. The production of special panels made of SV Sistemi di Sicurezza, is under strict certification procedures IMQ FPC.



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TEST AEROSOL ROOM INSIDE AND OUTSIDE IN FIELD SHUTDOWNS

The experience advances, constant research and development to put out the fires, detect, identify, understand their risk, has stimulated SV security systems in developing areas suitable for simulations Real of fire, with the complete fire suppression. The test area is used for the testing of new products, such as sensors for fire detection devices for fire extinguishing systems, CCTV, intrusion detection and anti-terrorism. The test room can be made available to all customers that required a test on providing Aerosol. The test room was created with a series of devices Internal Sensors Gas, oxygen, methane, CO2, temperature, humidity probes, which have the function of analyzing the air, before and after the discharge of Aerosol. The purpose of the tests is to verify the methods and the effective operation of the products in question, noting also the magnitude of the effects on people and things. To perform the tests, in the Hall Test SV is prepared, as appropriate, a real system shutdown / CCTV / intruder and a reproduction of a possible scenario (eg. A typical location of an office). Here are some sequences of download performed with three different aerosol generators used as extinguishing the fire suppression systems.



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GAS FIRE SERVICE AND COMMISSIONING

Our team tests the Central Fire & Gas and integrated plants in industrial structures, preparation continuous staff, various certificates received for making special courses Formations, allowed access to particular structures as "Marine Platforms" Military Ships, petrochemical environments and refineries worldwide. The documented experiences of our specialists make the path full of information, optimizing the best project management and development of the work to perform for the correct operation of the plants. Our experienced staff has the ability to work in teams and can fulfill the role of intermediary between activities in the field, production process control contract, and technical department and representatives of the client. The good command of English and French, is particularly appreciated for interfacing with the various project managers of companies operating in global markets. The multiplicity of our knowledge, technical skills, computer and mechanical, allow to face any type of installation electro both on-shore and off-shore, and our flexibility allows us to seek the best approach aimed at the commissioning of the plant.



INTEGRATED SERVICES ON-LINE / OFF-LINE FOR ADVANCED DIAGNOSTICS

The Sala Regia WEB-FIRE is designed with the specific goal of being able -Monitor the modular units of the central EXFIRE360 exploiting however advanced diagnostics developed to meet the requirements of functional safety - in all aspects of hardware and software, as well as monitoring the condition detection and extinguishing systems connected to it. The Team SV Sistemi di Sicurezza offers their members a series of physical media and information technology for the resolution of the problem or a plan to improve the fire protection system, creating the customer total confidence in the management of the protection and rescue of life human. Within today's dynamic market, customers demand innovative solutions that increase business agility, optimize productivity and achieve sustainability objectives, all while reducing the total cost of ownership. To effectively compete in this global market, it is necessary to define the value beyond the cost of the equipment and improve business performance. SV Sistemi di Sicurezza can help you improve your performance with solutions and services to reduce the total cost and meet the needs of your customers.



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TRAINING

Among the various steps necessary to the delivery of a sprinkler system is particularly important training to personnel management. Over the years SV Sistemi di Sicurezza has developed considerable expertise in the formation and training of the personnel required to intervene in a fire situation controlled by a security system to maximize effectiveness. Ongoing technical / operational use and programming of central fire EXFIRE360 Technical course and an overview of the concepts related to the functional safety according to IEC 61508/61511. Technical course on regulatory NFPA 72 design principles for systems fire gas Corso regulatory technical standards EN54-2, EN54-4, EN54-13, EN60079-29-1, EN12094-1 SV Sistemi di Sicurezza hosts at its headquarters courses taught by CTAI Srl, "course provider" recognized as part of the TÜV Rheinland Functional Safety Program. The courses are taught in Italian Eng. Carlo Tarantola, qualified TÜV Rheinland Functional Safety Trainer with ID No. 137/08.



MAINTENANCE AND METHODOLOGY OF PERIODIC

The verification of the logic required by the customer must be compatible with the provisions of the project documents, in particular to ensure that the effects of evidence (reports and commands) do not result in dangerous situations or unwanted activations; you need to plan methods and tests with the cooperation and consent of the head of security and / or responsible for prevention and protection authority. The tests and checks must be formalized by filling in the appropriate check lists. A copy of the checklists should be stored by the system manager and attached to the log of maintenance and checks. The documents that constitute the formal record of the checks must be signed, as a minimum, the service technician who carried out the tests and the head of the plant at which they were carried out the tests. These documents may be documentation to be attached to the log fire, but do not replace the same. With these powers and the ability to work in teams, our staff accompanies the customer during all stages making it in effect an integral part of the structure of the customer.



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MAINTENANCE AND METHODOLOGY OF PERIODIC

The experience gained over the years, has allowed us to focus on service Maintenance of fire extinguishing gas and manufactured in Italy or abroad by various manufacturers. Continued technical support and information to guarantee the customer, which requires us to intervene more frequently in Site to do maintenance to the central and systems Fire-Gas electronic / mechanical, whether they have been developed and manufactured by our company, or to verify and check the designed and / or constructed by others Before we move to the execution phase of the tests of maintenance, you should check for documents about the plant. The instructions provided in the operating procedure not intend to go into detail the definition of proof but rather to provide the information essential to standardize the tests to be carried out during the regular monitoring of the system. In certain applications, the checks are carried out according to customer specifications and / or documentation with more comprehensive than indicated below, in such cases, these deviations from the standard will be reported to managers of worksite during initial briefing on the contract.

