

Section	S&S Magazine № 1/2022 Release on April 1	S&S Magazine № 2/2022 Release on May 30	S&S Magazine № 3/2022 Release on July 27	S&S Magazine № 4/2022 Release on September 16	S&S Magazine № 5/2022 Release on November 18	S&S Magazine № 6/2022 Release on February 3, 2023
ISSUED TO EXHIBITIONS, FORUMS	Securika Moscow	International safety & security exhibition	Army	Sfitex, Hi-Tech Building, Interpolitex	All-over-IP Forum	The International Forum of Security & Safety Technologies, NAIS
ISSUE SUBJECT	Safety of fuel and energy facilities and dangerous production. Global trends of the digital age	Safety of places with mass gathering	Digitalization of industrial enterprises and business processes. Automation and robotization of production. Internet of Things and artificial intelligence	Intelligent technologies in utilities sector. Building automation	Business centers, banks, offices. Security technologies in the new reality	Transport security. Infrastructure protection (facilities). Transport hubs. Solutions review
SPECIAL PROJECTS	<ol style="list-style-type: none"> 1. ACS for large facilities 2. Wearable body cameras 3. PSIM и information collection and processing systems: solutions for complex security 4. Fire security of fire-hazardous and explosive zones 	<ol style="list-style-type: none"> 1. Panoramic video cameras 2. ACS for entrances: turnstiles, terminals for recognition and thermometry 3. Import substitution in security systems. Local manufacturers 4. Automatic fire alarm systems 	<ol style="list-style-type: none"> 1. Data processing centers. Engineering infrastructure, fire security. Cost optimization 2. Machine vision and artificial intelligence for production automation 3. Thermal imaging systems: equipment review, application practice and real opportunities 4. Cybersecurity of enterprises under conditions of constant attacks 	<ol style="list-style-type: none"> 1. IoT platforms and apps to manage smart homes 2. Automatic systems of electrical power monitoring and metering 3. Modern intercom systems 4. Controllers for small ACS. Biometric locks 5. Warning and evacuation systems in case of fire 	<ol style="list-style-type: none"> 1. Secure remote access. Automation tools and data protection 2. Smart parking for commercial real estate and public spaces 3. Cloud services in security systems 4. Videoconferencing. Equipment, optimal selection of solutions 	<ol style="list-style-type: none"> 1. Innovations of the year 2. Monitoring systems of moving objects 3. ACS: mobile contactless access 4. Technologies of perimeter protection 5. Data storage systems and platforms 6. Fire alarm systems. Wireless solutions
DIGITAL TRANSFORMATION	<ul style="list-style-type: none"> •Digitalization of industrial and physical security processes of enterprises. Basic concepts •Examples of implementations •Benefits and risks of digitalization of facilities for security services •How to improve the accessibility and security of company data 	<ul style="list-style-type: none"> •Application of big data for security of facilities •Risk management in digital transformation projects. Risk identification methods •Intelligent detection of threats to the information security of the enterprise at the early stages 	<ul style="list-style-type: none"> •Digitalization of urban infrastructure. Successful methods and approaches •Analysis and assessment of digitalization risks. Sources and signs of risks •A new trend – the physical transportation of data on portable storage systems from the point of view of security 	<ul style="list-style-type: none"> •How digital technologies will improve the quality and efficiency of work in the utilities sector •Integration of smart home systems •IoT in the utilities sector - real cases and developments, project economics •Implementation of intelligent services and technical solutions to improve the efficiency of urban and residential infrastructure 	<ul style="list-style-type: none"> •Digital transformation projects in security services. Principles of team formation. Roles, functions, competencies •Changes of big data flows •Information security in the work team. A competent employee or a potential malicious user? 	<ul style="list-style-type: none"> •Digital technologies in transport security: process automation and cybersecurity •How to teach colleagues not to violate the information security policy and help in investigations •UAVs and robotics: regulation, technologies, opportunities
Unmanned aerial vehicles (UAV). Antidron	UAVs to protect trunk pipelines. Successful cases, economic benefits	Automated predictive detection and neutralization of UAVs	The role of big data in the training of artificial intelligence of drones	UAV Market 2020-2025: 5 key features	Automated neutralization of UAVs with non-destructive capture (interception)	UAVs on the service of the state traffic inspectorate. Fighting security threats
BUSINESS. IDEAS AND OPINIONS	What Edge solutions can do for video surveillance (analytics on board of cameras)	How to build a distributed video surveillance system for 10 thousand channels. Practical analysis of large solutions	Closed or protected video surveillance system? Cyber threats and common customer misconceptions	Myths and misconceptions in the sphere of video analytics	10 tips for a video surveillance specialist for career growth. How to grow professionally and earn more	"Open" or "closed" platform in video surveillance systems? Analyzing the approach to the concept of platforms
VIDEO SURVEILLANCE AND VIDEO ANALYTICS	<ul style="list-style-type: none"> •Intelligent surveillance systems. Recommendations for implementation •Video analytics to ensure security at large and distributed facilities •Modern thermal imaging systems to ensure safety of fuel and energy facilities •Intelligent video analysis – from security to profit 	<ul style="list-style-type: none"> •Implementation of cloud technologies and analytics for video surveillance tasks •Video identification for security. How to make a successful case •Video surveillance. Cost optimization. Advantages of frame-by-frame image transmission •Neural network video analytics in system solutions 	<ul style="list-style-type: none"> •Maintenance of video surveillance systems. What's the most important? •Digital intelligence in a video camera. Risks of his absence on board •Scenario scalable video analytics: fewer false alerts, more customization options •Cybersecurity of IoT and video surveillance systems 	<ul style="list-style-type: none"> •Implementation of video analytics systems in the apartment building. Tasks, methods and forecasts •Budget video surveillance solutions (on the example of a set of four cameras and a recorder) •Experience of building a video surveillance system at apartment buildings •Design features of intelligent video surveillance systems at facilities 	<ul style="list-style-type: none"> • Reducing the cost of owning video surveillance systems •Scalable corporate video analytics •Security lighting - a mandatory component of video surveillance systems •Economic effect from the implementation of intelligent video surveillance •Rating of brands, types and models of video cameras 	<ul style="list-style-type: none"> •Car number recognition systems •Intelligent video surveillance on transport •4K video cameras: sphere of application, advantages •Behind the scenes of the development of machine vision systems to detect and classify PPE: difficulties, ideas and prospects

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Machine vision	<ul style="list-style-type: none"> •Features of the choice of machine vision cameras for AI systems •Development of automation tools for visual and measuring control at enterprises 	<ul style="list-style-type: none"> •Once more about interfaces. Technology of device synchronization via Ethernet •Industrial cases of application of machine vision systems 	How to distinguish falsification from a really working technology without resorting to full-scale tests?	Expanding the dynamic range of HDR, WDR - hoax or math?	Time Sensitive Network (TSN), PTP, IEEE1588 – what is it, why is it necessary and how it works	Application of machine vision in traffic flow management (ITS) tasks: regulation of intersections, payment control on toll roads, speed control etc.
IN FOCUS	Application of video analytics at fuel and energy companies	Computer vision for safety in places of mass gathering	Advantages of leading biometric technologies for digital production	Integration of cybernetic systems into the company's current business processes: examples, results	Data storage for smart and secure spaces	Cybersecurity of IoT and video surveillance systems
ACCESS CONTROL SYSTEMS	<ul style="list-style-type: none"> •Maintenance of large-scale ACS: choice of tools, is outsourcing necessary? How expensive is it? •Rating of domestic ACS by the price / quality ratio •Possibilities of integration of ACS with other security systems 	<ul style="list-style-type: none"> •ACS: security of wired and wireless communication channels, control channels of executive devices •Future of contactless identification: trends and prospects •Tasks and requirements for modern ACS: from design to integration 	<ul style="list-style-type: none"> •Accounting for reusable containers. RFID technologies and other technologies for these purposes. Project economics •Top 10 domestic user-friendly ACS •Why it's needed and how the scalability of access control systems is achieved •How to save money on ACS optimization without loss of reliability? 	<ul style="list-style-type: none"> •Reader vulnerabilities. How to detect at the project stage. Optimal methods to replace •ACS in the infrastructure of the apartment complex •Master systems of locking devices. Spheres of application and using experience 	<ul style="list-style-type: none"> •ACS. How to achieve a simplicity of installation, maintenance and repair •The most popular Russian ACS. Editorial research •What is the technical specification? Structure and sections. Requirements for execution •Use of combined ACS for commercial real estate 	<ul style="list-style-type: none"> •ACS. How to provide protection against unauthorized access •Global market of access control systems. Rating of foreign ACS •Modernization of access control systems. How to plan and make a project
Biometric systems	Video identification or biometrics: confrontation or synergy?	Technological, legal and organizational barriers and prospects for the development of identification technologies	Expanding the use of biometric technologies and a Unified biometric system for financial and public services	Integration of wireless access control components – an essential part of solutions to complement classic wired ACS	Biometric identification in ACS and accounting of working hours – what the customer and integrator need to know at the beginning	Biometrics and ACS: the customer's view at interaction with the supplier
Inspection systems	Technical means and methods of detection and recognition of explosives and other dangerous substances	Inspection systems as part of integrated solutions for the security of places of mass gathering	What should be the prospective inspection systems and means of inspection?	Combined screening technologies for inspection of people with things in motion	Innovative approach to the organization of accelerated inspection of people	Terahertz inspection technologies to ensure public safety at facilities of transport infrastructure
COMPLEX SECURITY	<ul style="list-style-type: none"> •Integrated solutions with opportunities of access control and video surveillance on a single platform •Modernization ways of the complex security system of the metallurgical enterprise •Vehicle movement control on the territory of the enterprise 	<ul style="list-style-type: none"> •Interaction of the customer and the contractor during the preparation of technical specifications •Unified physical security systems •The total cost of ownership of security systems. Comparative examples 	<ul style="list-style-type: none"> •Organization of economic security of the enterprise •Multivendor systems. How to implement and maintain? •Road transport checkpoint for complex solution of safety problems and normal functioning of the facility 	<ul style="list-style-type: none"> •Transformation of physical security systems •Problems of development and adoption of domestic standards for various security systems •Hardware control of works at the facility: the quality of the installation of columns and barrier webs 	<ul style="list-style-type: none"> •Convergence in physical security. What's the most important? •Automation of anti-ram devices at facilities •Problems of missing the state standard for device testing. Customer risks 	<ul style="list-style-type: none"> •Customization of security systems •Innovative technologies and organizational and technical issues in the sphere of transport security •Remote monitoring of the technical condition of equipment used in security systems of facilities
Perimeter systems	Specifics of protection of the perimeter zone of fuel and energy, oil and gas and industry facilities	How to determine the real quality of perimeter protection systems?	Practice and rules for optimal integration of perimeter security into a complex security system	Radar complexes to protect facilities	Protecting the perimeter of a digital enterprise	Effective perimeter protection systems and means to ensure safety of transport infrastructure facilities
Convergence of security systems and building management systems	The role of digitalization in improving the sustainability of buildings	Networks and smart buildings	Energy efficiency and smart home sustainability issues	Digital planning in construction	Security of the structure of smart homes communication	Main principles of cyber defense during building automation
SECURITY AND FIRE ALARM SYSTEMS, FIRE SAFETY	<ul style="list-style-type: none"> •Interaction with regulatory authorities during the preparation and inspections within the framework of the federal state fire supervision •About the lifetime of fire automation systems: regulatory requirements and real experience •Innovative solutions in firefighting 	<ul style="list-style-type: none"> •Fire safety of residential buildings and places of mass gathering •Cable and wire products for systems of fire protection and industrial safety. GOST standards, application practice •Complex approach to fire protection of commercial real estate 	<ul style="list-style-type: none"> •Development, approval and modification of project documentation (special technical conditions) during the design, construction and operation of unique facilities •Legal aspects of the responsibility of market players to provide fire safety services 	<ul style="list-style-type: none"> •Fire safety of residential estate •Fire safety is a collective matter. Joint monitoring of the fire safety of the facility •Electrical wiring for fire protection systems. Engineering and implementation 	<ul style="list-style-type: none"> •Standards of organizations during the calculation of fire resistance of constructions •Improving the technical regulation in the field of fire safety •Approaches to fire prevention: synergy of technical solutions, regime events and personnel training 	<ul style="list-style-type: none"> •Foreign solutions for fire protection systems. Standards, projects, technical solutions •Fire prevention and minimization of their consequences •Making fire automation systems at various facilities taking into account the new set of rules