

INDUSTRIAL
PLANTS

SAFETY OF
INDUSTRIAL PLANTS AND
OIL AND GAS FACILITIES





Technological process control at the place of production, monitoring of unattended and inaccessible facilities, protection raw and ready-to-use materials against theft are the priority goals in terms of safety and security in the industrial plants and oil and gas industry facilities. Therefore, it is crucial at the initial stage of a security systems design to assume all specific features and aspects of the facility activity: from the stage of raw material receipt, its processing, distribution and storage to centralized facility management in general.

Integrated approach and application of advanced software technologies of video image analysis (such as a direction sensor, line crossing sensor, sabotage sensor, object counter, etc.) ensure optimization of installation expenses and further operation of the system.

Another major advantage of the integrated security system in the industrial plants is its interaction with any related systems including security and fire alarm systems as well as software integration with the most well respected external systems of access control and perimeter security.

A distinctive feature of a reliable system is its ability to completely introduce automation into the process of protection of remote and unattended facilities. Transmission of alarms images and video from the site by internet, e-mail, sms or mms, backup of video data even on low-bit-rate channels and many other advantages of VideoNet system will ensure the highest level of security of autonomous facilities. VideoNet system with OPC technology (OLE for Process Control) allows receiving and monitoring of values of equipment technological parameters from multiple SCADA systems. VideoNet OPC client monitors technological processes or parameters of building life support devices in real-time mode.

With all these technologies VideoNet system can become a backbone within the Integrated Security System of industrial plants and oil and gas industry facilities.



Advanced security technologies for industrial plants and oil and gas industry facilities

VideoNet solutions for industrial plants and oil and gas industry ensure:

- **Monitoring and control over geographically distributed facilities;**
- **Security and engineering surveillance.**

Security video surveillance provides:

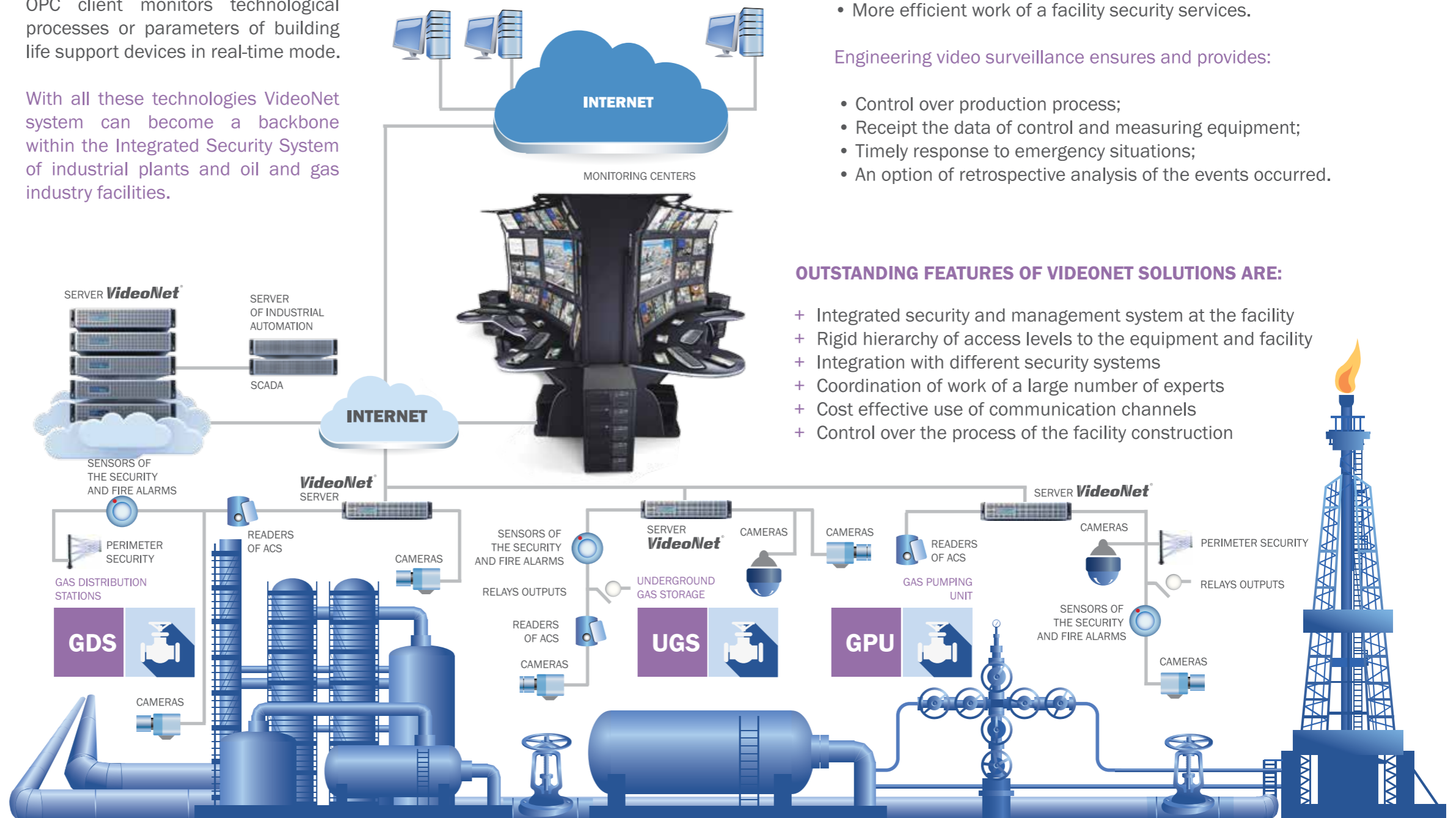
- Control against any unauthorized persons' penetration into the territory;
- Safety of the property and expensive equipment;
- Thefts prevention and location of offenders;
- More efficient work of a facility security services.

Engineering video surveillance ensures and provides:

- Control over production process;
- Receipt the data of control and measuring equipment;
- Timely response to emergency situations;
- An option of retrospective analysis of the events occurred.

OUTSTANDING FEATURES OF VIDEONET SOLUTIONS ARE:

- + Integrated security and management system at the facility
- + Rigid hierarchy of access levels to the equipment and facility
- + Integration with different security systems
- + Coordination of work of a large number of experts
- + Cost effective use of communication channels
- + Control over the process of the facility construction



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OUR PROJECTS:

- OAO "ROSNEFT"
- OAO "LUKOIL"
- OAO "GAZPROM NEFT"
- OAO "FSK EES"
- OAO "RUSSIAN RAILWAYS"
- OAO "AVTOVAZ"
- GROUP OF COMPANIES "TAIF"
- "EVRAZ TRUP S.A"
- OAO "OBEDINENNYE MASHINOSTROITELNYE ZAVODY"
(UNITED HEAVY MACHINERY PLANTS)
- OAO "NOVOKUZNETSKY METALLURGICHESKY COMBINAT " (IRON AND STEEL WORKS OF NOVOKUZNETSK)
- OAO "NOVOKUZNETSKY ALUMINIEVY ZAVOD " (ALUMINUM PLANT OF NOVOKUZNETSK)
- OAO "CHELYABINSKY TRUBOPROKATNY ZAVOD [VYSOTA "239"]" (PIPE PLANT OF CHELYABINSK)
- OAO "SYZRANSKY NEFTEPERERABATVAYUSCSHY ZAVOD" (OIL-PROCESSING PLANT OF SYZRAN)
- OAO "SEVERSTAL"
- JOINT STOCK COMPANY "ALROSA"
- OAO "NIZHNEKAMSKNEFTEKHIM"
- OAO "KAZANORGSINTEZ"
- "KAMAZ" PLANT
- OAO "PETERBURGSKY NEFTYANOI TERMINAL " (OIL TERMINAL OF ST. PETERSBURG)
- OAO "MEGAFON"
- OAO "RUSSKIY KHOLOD"
- OAO "HENKEL-ERA"
- OOO "DIROL CADBURY"
- OOO "CHUPA CHUPS RUS"
- OAO "TGC-1"
- JTI "PETRO" FACTORY
- "BYSTROV" FACTORY
- OAO "SEVERO-ZAPADNOE PAROKHODSTVO" (NORTH-WESTERN SHIPPING COMPANY)

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