МОСГАЗ

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ВАШ ГАРАНТ ИНФОРМАЦИОННОЙ БЕЗОПАСНОСТИ

Moscow's gas distribution protected by Kaspersky Industrial CyberSecurity

kaspersky

Kaspersky Industrial CyberSecurity

MOSGAZ

http://www.mos-gaz.ru/

Natural gas distribution

- Founded in 1865
- Moscow, Russia
- Annual shipment of 23 billion cubic meters of natural gas

MOSGAZ is one of Moscow's largest and most critically important enterprises.

Its core business area is the provision of natural gas transportation services through Moscow's gas distribution grid to supply domestic consumers and municipal facilities. MOSGAZ's main task is to ensure reliable and safe transportation of gas to consumers throughout the Moscow metropolitan area as well operation and improvement of the general plan for gas distribution.

In 1950, natural gas accounted for a mere 8.7% of Moscow's fuel mix; today that figure has reached 97%. This dramatic change in the consumed fuel mix has resulted in an improvement to Moscow's environmental footprint and created the conditions for the secure and efficient consumption of natural gas.

Today MOSGAZ operates nearly 7,500km of gas distribution networks and transports 23 billion cubic meters of natural gas annually, accounting for 5% of overall gas consumption in Russia.

Problem

Ensuring cybersecurity is an important part of maintaining and developing MOSGAZ's industrial infrastructure.

The principal regulatory document covering security of critical information infrastructure in Russia is Federal law no. 187-FZ dated July 26, 2017 "On the security of critical information infrastructure of the Russian Federation". The law identifies two distinct aspects to this activity – ensuring security and counteracting cyberattacks.

MOSGAZ was faced with the problem of protecting its industrial infrastructure against cyberthreats and increasing the general reliability of the enterprise's automated operations. In accordance with security requirements, the decision was made to implement in the company's existing industrial control system (ICS) a software and hardware package with functionality to detect intrusions and control the integrity of both the corporate and the industrial networks.

MOSGAZ stipulated two important prerequisites for the security solution: the ability to conduct testing and seamless integration with the existing automation system that remotely controls the devices on the gas distribution network.

> "Ensuring MOSGAZ is protected against cyberthreats is a top priority for us. That's why we decided to work with Kaspersky experts. They conducted a detailed analysis of MOSGAZ's industrial infrastructure and securely integrated a specialized ICS cybersecurity solution without affecting our industrial processes."

Alexandr Kuzin,
deputy head of the IT Department at MOSGAZ

Solution

Kaspersky Industrial CyberSecurity (KICS) was chosen to provide cybersecurity for MOSGAZ's industrial infrastructure. KICS includes a range of technologies and services to protect different levels of industrial infrastructure, including ICS servers, engineering workstations and programmable logic controllers.

A distinct feature of the solution is that it implements a holistic approach to ensuring cybersecurity for industrial enterprises and critical infrastructures. This approach envisages protection not only for industrial endpoints but also the use of passive monitoring technologies to identify anomalies and detect intrusions into the industrial network.

At the early stages of the project, a joint team of experts from Kaspersky and the system integrator ARinteg undertook a detailed analysis of the MOSGAZ infrastructure. A comprehensive expert assessment paved the way for a step-by-step plan to modernize the ICS cybersecurity systems at MOSGAZ.

Integration of KICS into MOSGAZ's existing security systems was one of the most important and complex stages of implementing the solution. Thanks to the professionalism of the Kaspersky and ARinteg experts, KICS was tested and integrated into the running automation system of gas distribution network without causing any failures or interruptions in processes.

Non-intrusive solution
Kaspersky Industrial CyberSecurity does not affect the continuity of running industrial processes.

Monitoring and control
Kaspersky Industrial CyberSecurity enforces application launch and removable media access policies, and passively monitors ICS network traffic.

Compliance control
Implementing a comprehensive industrial environment cybersecurity solution helps ensure compliance in the field of industrial cybersecurity.

> “ ARinteg and Kaspersky have been collaborating for over 20 years. Over the years we implemented a wide range of projects to protect customers’ industrial networks from unauthorized modifications, malicious files and network intrusions. It’s nice to know that our extensive experience has allowed us to make a successful contribution to the cybersecurity of MOSGAZ’s industrial environment and promotes a domestically manufactured line of infosecurity solutions to counteract complex threats.”

Dmitry Slobodenyuk,
ARinteg Business Director

Results

ARinteg and Kaspersky successfully implemented Kaspersky Industrial CyberSecurity solution in the MOSGAZ infrastructure and put it into commercial operation.

“We are convinced that this joint project will lay the groundwork for close, lasting cooperation. We will continue to modernize the cybersecurity system protecting MOSGAZ’s industrial control system. We would like to wish Kaspersky and the Alexandr Kuzin, deputy head of the IT Department at MOSGAZ.

Kaspersky Industrial CyberSecurity

Kaspersky Industrial CyberSecurity is a portfolio of technologies and services designed to secure operational technology layers and elements of your organization - including SCADA servers, HMIs, engineering workstations, PLCs, network connections and even engineers - without impacting on operational continuity and the consistency of industrial process.

Learn more at www.kaspersky.com/ics

Kaspersky ICS CERT:
https://ics-cert.kaspersky.com
Cyber Threats News:
www.securelist.com

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#BringontheFuture

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** China International Industry Fair (CIIF) 2016 special prize