Moscow-City Skyscrapers Streamline Parking Access and Control with Secure RFID

FEIG ELECTRONIC partners with ISBC Group to deploy UCODE DNA RFID security and parking access control solution in Moscow Business District

WEILBURG, Germany (PRWEB) December 03, 2019 -- FEIG ELECTRONIC, a leading global supplier of radio frequency identification (RFID) readers and antennas with fifty years of industry experience, announces the deployment of the UCODE DNA RFID security and parking contactless identification solution in the Moscow International Business Center, known as Moscow-City, one of the world's largest business district projects.

The management of Moscow-City not only selected long-range, passive UHF RFID to implement in its controlled parking areas, it also chose to implement UCODE DNA, the highest form of secure RAIN RFID technology, developed by NXP Semiconductors.

“Underscoring NXP’s innovation and leadership in developing advanced RAIN RFID technologies, our UCODE DNA was chosen to be incorporated with the FEIG and ISBC implementation of the contactless identification system in the prestigious Moscow-City,” said Mahdi Mekic, marketing director for RAIN RFID with NXP Semiconductors. “This exciting project represents yet another successful deployment of NXP’s contactless portfolio, and showcases our continued ability to meet the high-security requirements of highly demanding applications without compromising user convenience.”

“UCODE DNA is considered the only identification technology to match the physical protection of a barrier with the cybersecurity necessary to truly protect entrances from unauthorized access,” said Manuel Haertlé, senior product manager for FEIG Electronic. “As a respected contactless payment technology company, FEIG applies security know-how from its payment terminals, which are fully certified according to the latest high-class security standards, into our RFID systems. FEIG vehicle access control RFID readers incorporate advanced secure key storage elements, supporting various methods for secure key injection.”

FEIG’s partner ISBC Group provided the knowledge and support for this successful implementation using FEIG’s long-range UHF RFID. The resulting system enables authorized vehicle entry into areas reserved for private residential use or corporate tenants, while also allowing the availability of temporary, fee-based visitor parking. Thanks to the cryptographic authentication of UCODE DNA, both the tag and reader must go through an authentication procedure before the reader will validate the data from the tag, which is transmitted wirelessly. This level of authentication is typically used in the most secure data communication networks.

“The system’s two-step authentication means that only authorized equipment can handle the secure protocol and the data exchange with the UCODE DNA based tag. Without the required cryptographic secrets, other readers would query the tag in vain, because the tag’s response cannot be interpreted or understood,” said Andrey Krasovskiy, director of the RFID department at ISBC Group. “On top of this, each data exchange in the authentication process is unique, so even if a malicious actor were to intercept the communication, the transmission is only good for a single exchange and the tag’s unique identity is protected from cloning.”

Established in 1992 and still growing, Moscow-City is the revitalization and transformation of an industrial riverfront into a new, modern, vibrant and upscale business and residential district. A mix of residential, hotel,
office, retail and entertainment facilities, it is located about four kilometers west of Red Square along the Moscow River. Twelve of the twenty-three planned facilities have already been completed, with seven currently under construction. Six skyscrapers in Moscow-City reach a height of at least 300 meters, including Europe’s tallest building, Federation Tower, which rises more than 100 stories.

Partnering with ISBC and deploying FEIG Electronic RFID solutions, the Moscow International Business Center is delivering security and access control to its city center today, as it grows into the city of tomorrow.

About FEIG ELECTRONIC
FEIG ELECTRONIC GmbH, a leading global supplier of RFID readers and antennas is one of the few suppliers worldwide offering RFID readers and antennas for all standard operating frequencies: LF (125 kHz), HF (13.56 MHz), UHF (860-960 MHz). A trusted pioneer in RFID with more than 50 years of industry experience, FEIG ELECTRONIC delivers unrivaled data collection, authentication, and identification solutions, as well as secure contactless payment systems. Readers from FEIG ELECTRONIC, which are available for plug-in, desktop, and handheld applications, support next-generation contactless credit cards, debit cards, smart cards, NFC and access control credentials to enable fast, accurate, reliable and secure transactions. For more information, visit: www.feig.de/en

About ISBC
Founded in Moscow in 2002, ISBC Group provides knowledge and support to integrators for their successful implementation of RFID and smart card-based solutions. The company specializes in the distribution of smart card equipment, contact and contactless card manufacturing, smart card and RFID personalization services, and information security. Its Research and Design Center is focused specifically on RFID, primarily HF and UHF solutions with NXP tags, and software development for the smart card industry. For more information visit: https://isbc-cards.com/
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