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## **Finmeccanica - Selex ES and Rudin Management integrate Intel® gateway technology delivering comprehensive digital building solution for real estate of all sizes through DiBOSS-MF**

Finmeccanica - Selex ES has teamed with Rudin Management Company, a New York based property owner and manager, in creating DiBOSS-MF, digital building operating system solutions for multifamily properties. Using Intel® Gateway Solutions for the Internet of Things (IoT), the new offering extends the original DiBOSS platform applicability to multifamily and small commercial space markets.

Originally developed to be a “brain” for large commercial buildings, DiBOSS™ uses machine learning algorithms to forecast how the building should be operated under specific conditions. DiBOSS provides real-time continuous feedback from all subsystems in a building - power, HVAC, ventilation, lighting, security, etc. - while tracking building occupancy. This information gives building managers reliable data to make better decisions, improve operating efficiency and keep the people in the building safer and more comfortable. DiBOSS-MF capitalizes on this functionality for deployment in smaller buildings.

“Integrating Intel® Gateway Solutions for IoT gives operators of multifamily residences and smaller commercial buildings the ability to implement DiBOSS-MF,” remarked John Gilbert, EVP and COO at Rudin Management, and DiBOSS-MF development collaborator. “Rudin’s innovation, insight and drive in this technology development project to manage multifamily and small commercial buildings has resulted in virtually any building in our portfolio realizing measurable energy and cost savings, and these buildings were already very well run”.

In multifamily and small commercial buildings, Intel® Gateway Solutions for IoT provide effective sensor coverage by connecting new devices or electrical equipment to DiBOSS-MF. Building managers who often rely on isolated, reactive systems can now use a more intelligent system for holistic ramp up/down and maintaining daily comfort within their buildings. “More than 85 percent of today’s existing legacy systems are isolated islands of automation. The Intel® Gateway Solutions for IoT eliminates the need for building managers to rip and replace existing infrastructure to gain the benefits of holistic building management. This technology enables effective integration of previously isolated sub-systems into the DiBOSS-MF system”, says Rick Lisa, Intel’s Group Sales Director, WW IoT Business Development.

“In addition to using machine learning algorithms, DiBOSS-MF provides a “cockpit” style user interface that presents not only raw data, but highlights deviations from optimal energy usage and produces fault detection alarms to guide operators to take action”, explained Bill Nieuwkerk, Chief Operating Officer of Selex ES Inc., a subsidiary of Finmeccanica - Selex ES in the US. “When integrating Intel® Gateway Solutions for IoT, all data is collected from the building subsystems and handed off to DiBOSS for presentation in our cockpit”.

“Because of the high levels of Intel® Gateway integration, we can now put a sensor under a kitchen sink or near the heating radiator in individual residences that will allow DiBOSS to monitor and predict leaks,” John Gilbert explained. “The ability to predict and take action at the onset of such conditions will prevent water damage and mold growth - saving us substantially more in repairs than if they went unnoticed”.

To learn more, please visit: [www.di-boss.com](http://www.di-boss.com)