

## **thyssenkrupp's predictive maintenance technology helps keep more than 50,000 people moving daily at Microsoft's corporate campus**

- Microsoft's real estate group is utilizing MAX predictive maintenance technology to maximize uptime on nearly 70 of its busiest elevators
- enviromax, thyssenkrupp's environmentally friendly biodegradable fluid, was tested at Microsoft's corporate campus

REDMOND, WASHINGTON (August 16, 2018) – thyssenkrupp, the global leader in urban mobility, maintains 337 elevators at Microsoft's corporate headquarters, and has three full-time service technicians overseeing building transportation onsite in partnership with property manager, CBRE. To meet the escalating transportation demands of the 8 million square foot campus, thyssenkrupp recently installed its MAX predictive maintenance system on 69 elevators.

MAX is the elevator industry's first real-time, cloud-based predictive maintenance solution that identifies issues before they occur, increasing elevator availability and reducing downtime. There are currently more than 80,000 MAX units installed in the U.S. and more than 120,000 installed worldwide.

"thyssenkrupp prides itself on pushing the boundaries of engineering innovation, and that commitment is exemplified by our real-time predictive maintenance system, MAX," said Rich Hussey, president and CEO of thyssenkrupp Elevator Americas.

Powered by the Microsoft Azure Machine Learning platform, MAX's connectivity enables Microsoft's real estate group to monitor all elevator functions, including operating speed and capacity as well as individual components. This actionable intelligence provides service technicians and building managers with data-driven solutions that help support smarter management of their building transportation systems.

Microsoft's real estate group also recently completed testing of thyssenkrupp's award-winning enviromax solution. enviromax, the industry's first high performing vegetable-based, biodegradable fluid, is formulated from canola oil, which is rapidly renewable, readily biodegradable and has minimal effects on the environment. The high-performance formula can reduce energy consumption, operating temperatures, friction and component wear in hydraulic elevator systems.

“enviromax pushes the envelope in ecologically friendly lubrication by providing high-temperature fluid stability while also delivering superior ride characteristics with reduced friction,” said Brad Nemeth, VP of Sustainability at thyssenkrupp Elevator Americas. “On top of its high-performance benefits, enviromax provides peace of mind for building owners knowing they are utilizing a best-in-class solution for elevators. Oftentimes, building owners have to choose between high performing and eco-friendly, but with enviromax, you can have both.”

To learn more about MAX, go to <https://max.thyssenkrupp-elevator.com/en/>.

To learn more about enviromax, go to <https://thyssenkruppelevator.com/Sustainability>.

#### **About us:**

##### **thyssenkrupp Elevator**

thyssenkrupp Elevator brings together the Group’s global activities in passenger transportation systems. With sales of €7.7 billion in fiscal 2016/2017 and customers in 150 countries, thyssenkrupp Elevator built its position as one of the world’s leading elevator companies from scratch in a mere 40 years’ time applying thyssenkrupp unique engineering capabilities. With more than 50,000 highly skilled employees, the company offers smart and innovative products and services designed to meet customers’ individual requirements. The portfolio includes passenger and freight elevators, escalators and moving walks, passenger boarding bridges, stair and platform lifts as well as tailored service solutions for all products. Over 1,000 locations around the world provide an extensive sales and service network to guarantee closeness to customers.

##### **thyssenkrupp**

thyssenkrupp is a diversified industrial group with a growing share of capital goods and service businesses and traditional strengths in materials. Over 158,000 employees in 79 countries work with passion and technological know-how to develop high-quality products and intelligent industrial processes and services for sustainable progress. Their skills and commitment are the basis of our success. In fiscal year 2016/2017 thyssenkrupp generated sales of €41.5 billion.

Together with our customers we develop competitive solutions for current and future challenges in their respective industries. With our engineering expertise we enable our customers to gain an edge in the global market and manufacture innovative products in a cost- and resource-friendly way. Our technologies and innovations are the key to meeting diverse customer and market requirements around the world, growing on the markets of the future, and generating strong and stable earnings, cash flows and value growth.

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