



## thyssenkrupp's TeleRetail delivery robot debuts in the U.S.

- As part of a research project, thyssenkrupp Elevator is testing a TeleRetail delivery robot to make elevator maintenance in cities quicker and more efficient
- The robot, presented as a benchmark product for autonomous driving at a U.S. Senate Field Hearing on January 24<sup>th</sup>, was on display at the Washington Auto Show

thyssenkrupp's TeleRetail delivery robot was among the technical innovations and vehicles presented at a U.S. Senate Field Hearing, held on January 24<sup>th</sup> at the Washington Auto Show 2018 in Washington, D.C. U.S. Sen. John Thune (R-S.D.), chairman of the Senate Committee on Commerce, Science, and Transportation, convened a hearing titled "Driving Automotive Innovation and Federal Policies" at the Washington Convention Center. The session focused on self-driving vehicles, and thyssenkrupp Elevator's and TeleRetail's groundbreaking delivery robot was named as a benchmark product.

"Fast-growing American Metropolitan areas need intelligent solutions to cover the last mile in delivering spare parts to our technicians. In connection with TeleRetail we are testing autonomous vehicles to solve this growing logistical problem," explains Ivo Siebers, Senior Vice President of Global Logistics at thyssenkrupp Elevator.

Self-driving vehicles already play a major role in the future of urban logistics – not only in the shape of cars commuting people, but also in the shape of robots carrying and delivering goods. In collaboration with software developer TeleRetail, thyssenkrupp Elevator launched a pilot project in which delivery robots transport spare parts and other material to maintenance job sites. Perfect for maintaining elevators in a contemporary way, the robots represent the future of smart maintenance logistics, reinforcing thyssenkrupp Elevator's position as a future-oriented mobility provider.

Every year, the Washington Auto Show wows audiences with its cutting-edge exhibits and advanced technologies. More than 600 new models from over 35 manufacturers impress visitors while providing a glimpse into the future of mobility. Attendees can view thyssenkrupp's TeleRetail delivery robot at booth MT11.

For elevator and escalator servicing, spare parts are needed quickly and a technician either has to drive back to base in his or her service vehicle or have it delivered by a colleague. But with increased traffic clogging up city streets, the pressure on the supply chains is rapidly increasing. "This is a major urbanization challenge that our service technicians are

already experiencing today,” continues Siebers. “With driverless delivery robots we could fill a gap and get spare parts from our warehouses to the job site faster, more efficiently and with less impact on the environment.”

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The delivery robots are approximately 33 inches wide and are suitable for traveling on sidewalks, thereby avoiding road congestion. They can also reach inner-city areas where vehicular transport is limited, carrying payloads weighing up to 77 pounds. Information on delivery status can be obtained quickly via an online Logistics Automation Platform. “We hope to improve our service delivery in this way,” adds Siebers.

TeleRetail is developing driverless delivery vehicles, and for thyssenkrupp Elevator, these vehicles could be an optimal logistics solution for elevator servicing. The cloud-based driverless systems could form complete supply and logistics networks; a promising solution with enormous development potential.

“With our platform we want to optimize logistics by saving time and costs, and minimizing space requirements, energy consumption and emissions,” says Torsten Scholl, CEO of TeleRetail Mobility Automation. “thyssenkrupp Elevator and TeleRetail are looking forward to conquering the emerging 3D logistics automation opportunities together.”

**Press images are available for download here:**

[https://transfer.thyssenkrupp.info/public/l56638y\\_230f6aa14da82e5923c663](https://transfer.thyssenkrupp.info/public/l56638y_230f6aa14da82e5923c663)

**About TeleRetail GmbH:**

TeleRetail automates regional logistics while minimizing the ecological footprint of transportation. Its Logistics Automation Platform combines almost any mode of transport, including couriers, taxis, drones, and self-driving transporters. Its Self-Driving Transporters automate urban logistics as well as intra-logistics for industrial clients. The company’s technologies reduce the space, cost and energy requirements of local logistics up to 90%, thereby significantly improving the quality of life on planet Earth.

**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.

Dr. Jasmin Fischer

Head of Media Relations

thyssenkrupp Elevator AG

Tel: +49 201 844-563054

E-Mail: [jasmin.fischer@thyssenkrupp.com](mailto:jasmin.fischer@thyssenkrupp.com)

Web: [www.thyssenkrupp-elevator.com](http://www.thyssenkrupp-elevator.com)

[www.urban-hub.com](http://www.urban-hub.com)

Dennis Van Milligen

Communications Specialist

thyssenkrupp Elevator

Tel: +1 312 525 3190

E-Mail: [dennis.vanmilligen@thyssenkrupp.com](mailto:dennis.vanmilligen@thyssenkrupp.com)

Web: [www.thyssenkruppelevator.com](http://www.thyssenkruppelevator.com)