



ThyssenKrupp Elevator

Press release

October 05, 2015

ThyssenKrupp presents ACCEL, a game-changing, efficient transit solution for cities and airports at inter airport Europe 2015 in Munich from October 6-9

It is unique; passengers enter walking at a regular speed and get accelerated at high-speeds to the other end. Applying linear motor technology from the Transrapid magnetic train, the ACCEL transportation system can cut current transit times between airport gates by a remarkable two-thirds.

With this new solution, ThyssenKrupp marks its entrance into the mass transit sector. The company presents its latest technological development ACCEL, at the inter airport Europe in Munich, the world's leading airport exhibition, from October 6-9. The unique transportation system offers high capacities and high speeds for short distances, with no waiting times for passengers and low implementation costs.

ACCEL benefits airport operators looking to improve transit times between gates or between distant parking bays and the airport. With no waiting times or barrier gates, passengers need only 140 seconds to cover a distance of 270 metres, instead of the earlier 415 seconds, resulting in an impressive time saving of 66 percent. For airport operators, it eliminates the need and high costs associated with providing buses, automated people movers, or sky-trains for distances of up to 1.5 km.

ACCEL can transport as many passengers as typical fully automated cabin systems, move up to 7,300 passengers per hour per direction, and combines smooth speed changes and the highest safety requirements for passenger transportation. Using a band of overlapping pallets that expand to three times the original size of each pallet, ACCEL's revolutionary technology, applying the linear motor technology of the magnetic train Transrapid, ensures that passengers step onto the belt at normal walking speeds of 0.65 m/s (2.35 km/h), accelerate smoothly up to 2

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m/s (7.2 km/h), and then decelerate back to normal walking speeds before leaving the system. For passengers who continue walking while on the belt, speeds of up to 3.3 m/s (12 km/h) can also be achieved.

The ACCEL transportation system also facilitates the building of passenger feeders to existing metro stations, making them easily accessible even to commuters who do not usually use the metro due to its distance from their locations. Metro system capacities can now be maximised with new access points, and by increasing the connectivity of current metro networks, the new transportation system could capture 30% additional passengers. Implementing ACCEL works as an alternative to building expensive additional stations or carving complex underground connections, and results in a significant decrease in the number of road transport vehicles in use.

Commenting on ACCEL's many advantages, Andreas Schierenbeck, CEO, ThyssenKrupp Elevator AG, said, "ACCEL is our contribution in aiding the urban shift from road to rail - the ultimate goal for transportation authorities in large cities today. By reducing transit times in airport hubs and providing both rail and airport operators a cost-effective solution that requires no complex civil or infrastructure work, ThyssenKrupp ACCEL is successfully catering to the current needs of our rapidly developing urban communities".

In addition to being easy to use, ACCEL does not require large teams to operate and maintain, is a perfect solution to fill the current gap in short distance transportation in cities and airports, and is a very competitive alternative to existing automated people movers for distances of up to 1.5 km.

With this product, ThyssenKrupp's engineers have again increased safety and ease of maintenance while concurrently saving on operating costs. ACCEL was developed by the ThyssenKrupp Elevator R&D Centre with the support of the ThyssenKrupp Transrapid project and key suppliers such as Prodrive, Tecnotion, and Beckhoff.

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ThyssenKrupp is presenting ACCEL at the inter airport Europe in Munich from October 6-9 at Hall B5, booth number 1070.

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ThyssenKrupp Elevator brings together the Group's global activities in passenger transportation systems. With sales of 6.4 billion euros in fiscal 2013/2014 and customers in 150 countries, ThyssenKrupp Elevator reached to short group 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 products and services designed to meet customers' individual requirements. Its innovative solutions aim to contribute to the development of smarter cities. The portfolio includes passenger and freight elevators, escalators and moving walks, passenger boarding bridges for airports, stair and platform lifts as well as tailored service solutions. Its 900 locations around the world provide an extensive sales and service network to guarantee closeness to customers.

ThyssenKrupp

ThyssenKrupp is a diversified industrial group with traditional strengths in materials and a growing share of capital goods and services businesses. Over 155,000 employees in nearly 80 countries work with passion and technological expertise 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 2013/2014 ThyssenKrupp generated sales of around €41 billion.

Together with our customers we develop competitive solutions for the challenges of the future in the areas Mechanical, Plant and Materials. 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. For us, technical progress and innovations, allied with the combined strength of the Group, are key factors enabling us to meet current and future customer and market requirements around the world, grow on the markets of the future, and generate strong and stable earnings, cash flows and value growth.

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