

5 WAYS THE RIGHT TRAIN TILTING SYSTEM IMPROVES BUSINESS

Train tilting systems use sophisticated sensors to detect changing motion when high-speed trains travel around curves. Onboard computers then almost imperceptibly tilt each car toward the inside of the curve to maintain stability at all times.

In the world of high-speed trains, tilting trains have big business benefits.

INCREASE PASSENGER COMFORT AND SAFETY

Ensure smooth and continuous train tilting to the precise angle needed to minimize rocking motions and keep people and objects safe and stable, even when the train is travelling at high speed into curves.



ACCELERATE OPERATIONS

Keep trains on schedule, streamline timetables, and potentially run fewer trains more often by maintaining train speeds at all times.

IMPROVE FINANCES

Optimize overall operating costs:

- Reduce train power consumption by enabling it to travel at near-constant speed around curves
- Avoid capital costs by taking advantage of existing train tracks instead of installing costly high-speed tracks, tunnels, and bridges
- Keep maintenance costs to a minimum with reliable, modular, and compact tilting systems



ENSURE RELIABILITY

Choose trusted, proven train tilting systems:

- Used safely on high-speed trains over hundreds of millions of kilometers
- Developed according to DIN EN 50155, EN 50126, EN 50128, EN 50129, EN 50657, and other key standards
- Incorporating key safety features, such as automatic return to a safe state if failures occur

GET THE VERY BEST IN TRAIN TILTING TECHNOLOGY

Rely on Curtiss-Wright Motion Control to ensure passenger comfort and safety on high-speed trains with Swiss quality, precision, and reliability.

Our highly engineered train tilting systems provide exceptionally precise and responsive tilting at an angle of up to 8 degrees to ensure smooth, stable, and safe car movements as trains round corners at high speeds.

Every system:

- Leverages ruggedized, field-proven building blocks
- Meets key safety and functionality safety standards



**TRUSTED
PROVEN
LEADER**

Learn More

Find out how Curtiss-Wright Motion Control can bring the highest possible degree of motion control and stability to your high-speed application.

Visit

www.curtisswrightds.com/products/electromechanical/industrial