

## Data Acquisition System for FORTNA Cross-belt Sorting Solutions

Don't lose customer loyalty.  
Start with operations.



### Overcome performance pressures

**Efficient, reliable operations** are crucial in high-throughput systems like cross-belt sortation, where speed and accuracy are key to meeting **performance demands**.

27%

Home delivery packages **delivered late** in US in 2024.<sup>1</sup>

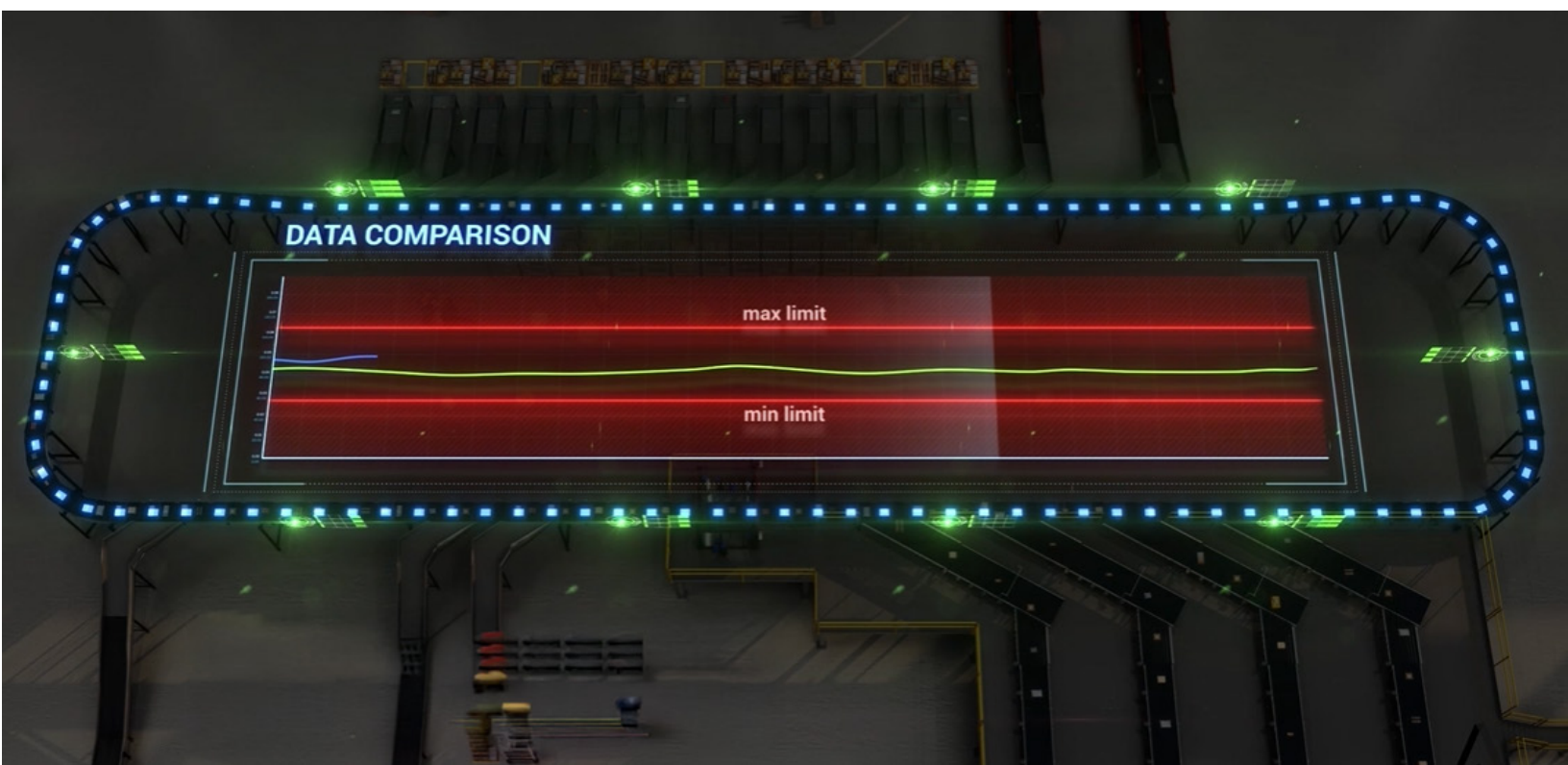
86%

Online customers who were excited by '**on-time** and as-promised' delivery.<sup>2</sup>

30–60%

Reduction in **system downtime** achieved through predictive maintenance.<sup>3</sup>

The Data Acquisition System is a technology that converts physical phenomena such as temperature and vibration into digital data, providing real-time visibility into system metrics and operational status to maximize availability and performance.



## Benefits of implementing the Data Acquisition System

- 1 Optimize performance**

The FORTNA Data Acquisition System collects accurate, structured, real-time data to enable effective control and deliver deeper insights for optimization.
- 2 Enhance equipment lifespan**

By continuously monitoring equipment conditions—such as vibration and tension anomalies—the system detects faults before they occur. Timely intervention prevents minor issues from escalating into major failures, preserving system integrity and extending equipment lifespan.
- 3 Improve safety**

The proactive approach enables corrective measures to be taken before unsafe conditions develop, ensuring the safety of both personnel and machinery.
- 4 Meet customer expectations**

Smooth and seamless operations drive reliability and accuracy, ensuring timely and hassle-free delivery that meets customer expectations.
- 5 Efficient resource planning**

Accessing accurate real-time and historical data enables precise scheduling, resource allocation and prioritization of maintenance activities. This allows teams to plan services during scheduled downtimes, minimizing production disruptions.
- 6 Significant cost savings**

By reducing unplanned downtime, lowering maintenance expenses, extending equipment lifespan, improving process efficiency and optimizing labor use, the system directly contributes to lowering overall operational costs.

## FORTNA Can Help

The Data Acquisition System for the FORTNA cross-belt sorting system delivers a powerful upgrade that significantly enhances system reliability and performance.

Start a conversation with our team to see what it could mean for your operations at [www.FORTNA.com](http://www.FORTNA.com).

Data Source:

1 <https://www.dcvelocity.com/survey-53-of-e-com-orders-are-late-damaged-or-misplaced>

2 <https://www.mckinsey.com/industries/logistics/our-insights/preparing-post-for-further-parcel-opportunities>

3 <https://www.rockwellautomation.com/en-us/company/news/blogs/AI-predictive-maintenance.html>