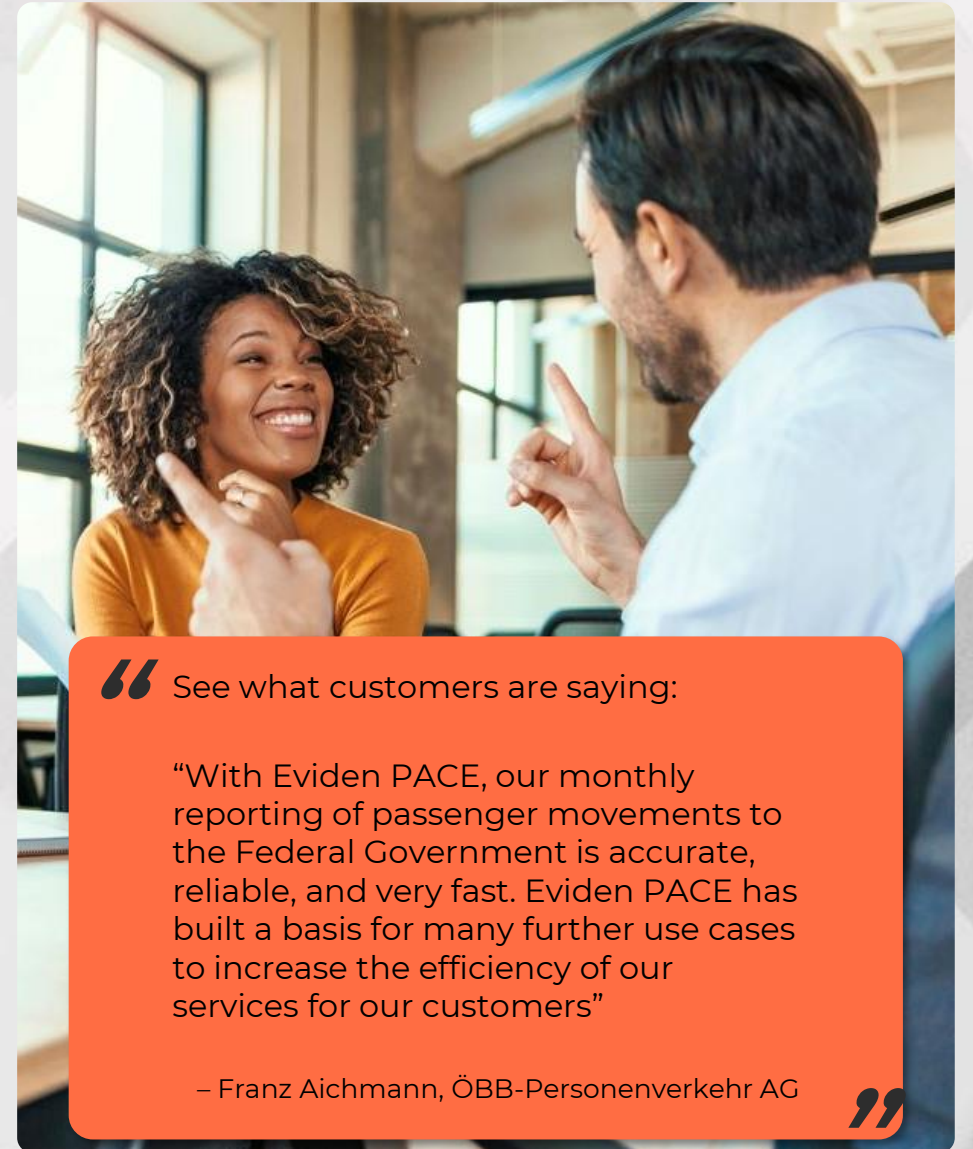# Eviden's Passenger Analytics & Counting Engine (PACE)

Modern trains offer sensory information (GPS, speed, timestamps, doors, locks, etc.). This diverse array of raw data must be consolidated, validated, and matched with train schedules, delays, stations, and vehicle master data to enable useful reporting. Eviden has built a proven solution that easily tracks these movements.

What We Offer

- PACE utilizes Microsoft Azure Cloud Technology.

- It collects and analyzes real-time passenger and transportation data.

- Data accuracy issues from train sensors, like GPS loss and poor visibility, are resolved by combining data sources and identifying logical connections.

" See what customers are saying:

"With Eviden PACE, our monthly reporting of passenger movements to the Federal Government is accurate, reliable, and very fast. Eviden PACE has built a basis for many further use cases to increase the efficiency of our services for our customers"
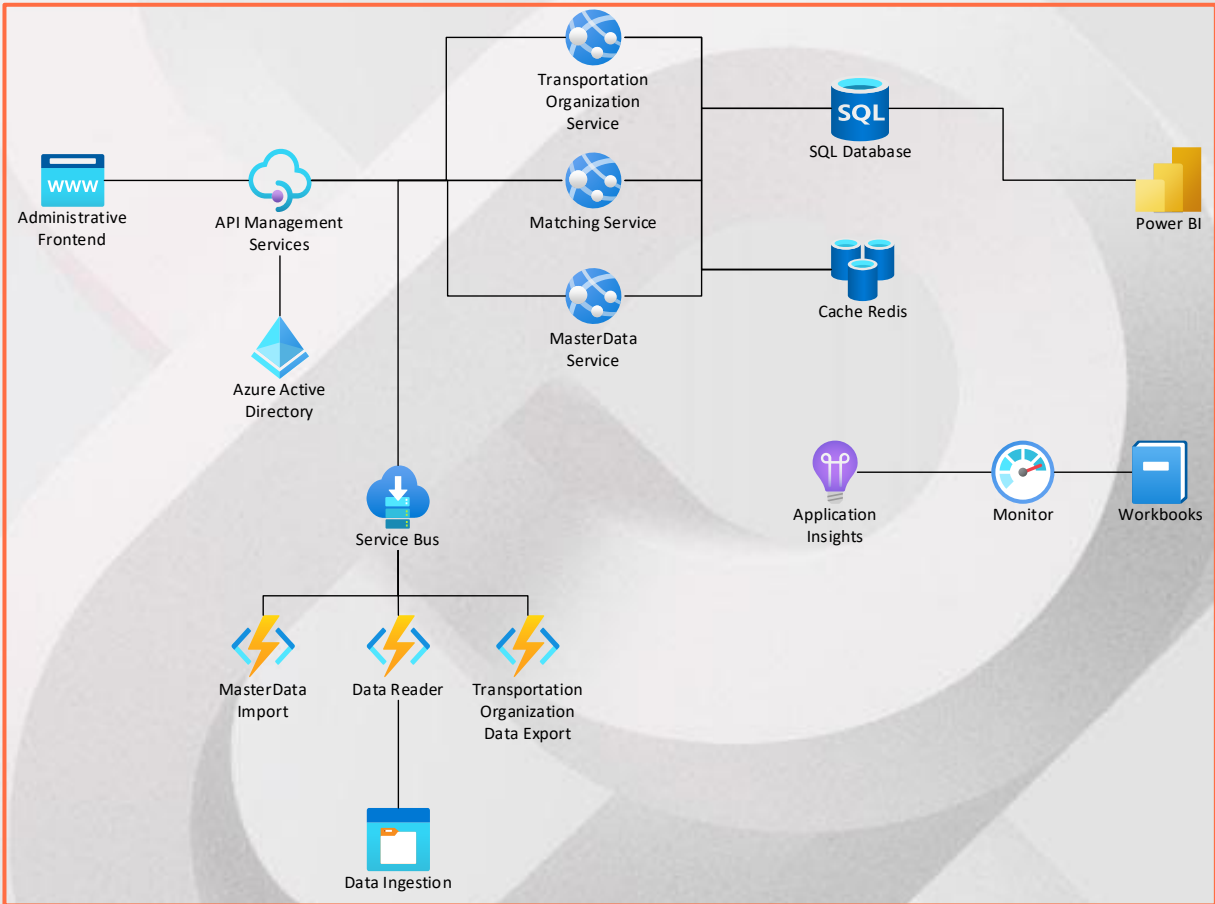
– Franz Aichmann, ÖBB-Personenverkehr AG **"**

EVIDEN

Eviden's Passenger Analytics & Counting Engine (PACE)

How it Works

PACE aims to answer the following customer requirements:

- Precise figures of passenger movements – e.g., to report to governments

- Reliable data to optimize train scheduling and improve utilization according to real passenger traffic volume

- Easy-to-use dashboards and reports

- Easy integration of existing (legacy) sensor data formats

- Possibility to utilize data in an internal data warehouse

Architecture Example

Eviden's Passenger Analytics & Counting Engine (PACE)

Customer Outcomes

Low operational costs   Modern and scalable architecture

Customer Success

Company:

Österreichische Bundesbahnen

The largest railway group in Austria aims to motivate people to switch to train or bus travel, conserve energy, and reduce CO2 emissions.

Solution:

- **Real-time** reporting on versatile dashboards.

- **Intelligent** matching of raw data with schedules, stations, and master data.

- **Accurate** passenger count calculation and error correction.

- **Extensive** customization options tailored to specific customer needs.

- **Customized** parsing of raw data.

Outcomes:

- Swift data processing and mapping in seconds.

- Integration of diverse data sources.

- User-friendly Power BI dashboards.

- Open export interface for data sharing.

- Cost-effective operations.

Eviden is your preferred digital, cloud, data, and security partner to help you realize your digital future. Together, Microsoft and Eviden are expanding the possibilities of data and technology, now and for generations to come.

Contact

Microsoft Business Group
global-microsoft@eviden.com

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