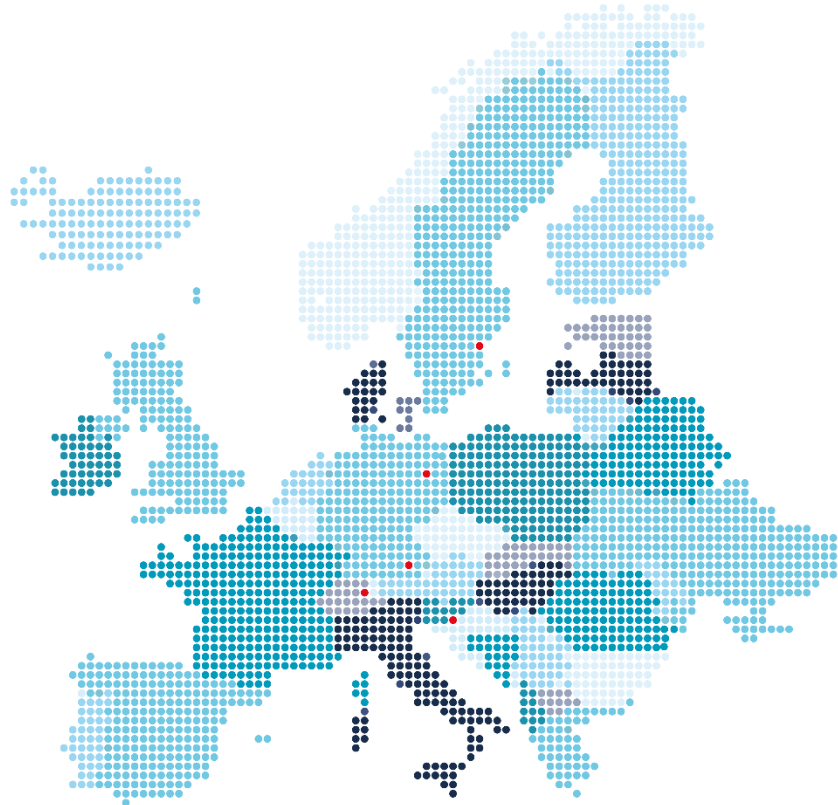




➤ **ATRON Open Loop Transit**
Ticketing made easy

Alexander Giegerich

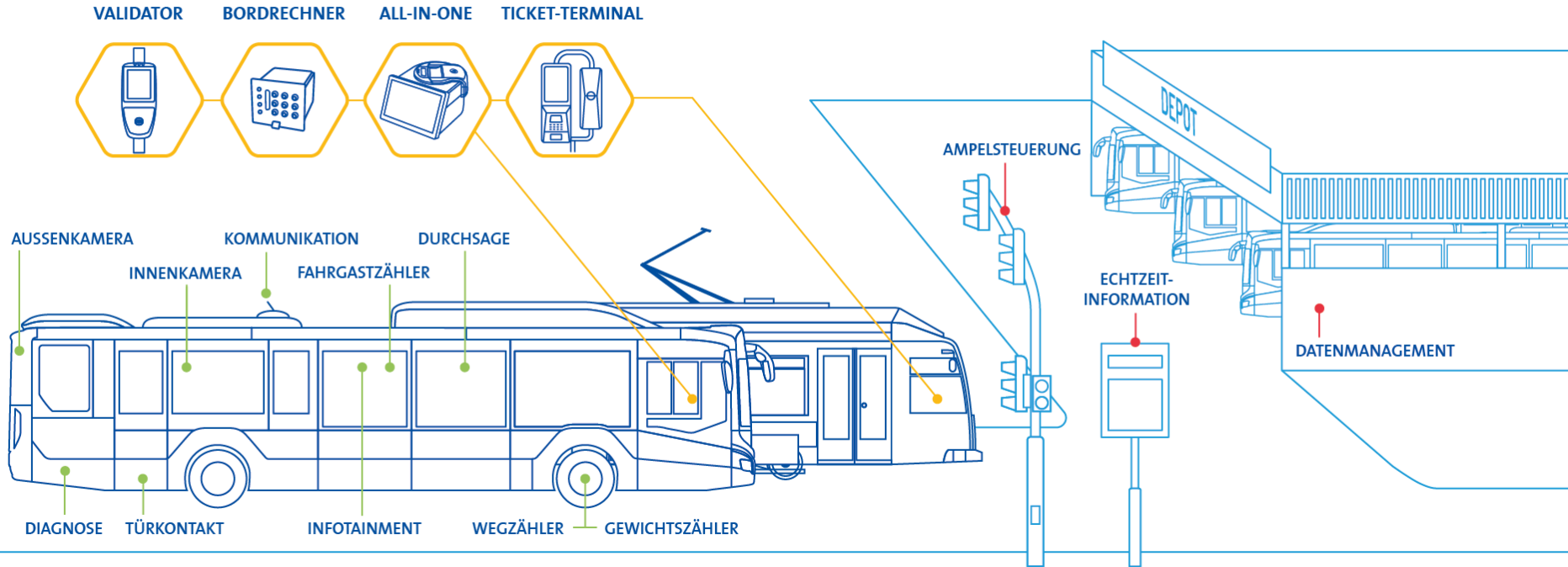
Head of Sales & Marketing ATRON Group





ATRON Group

Complete Solutions for Public Transport



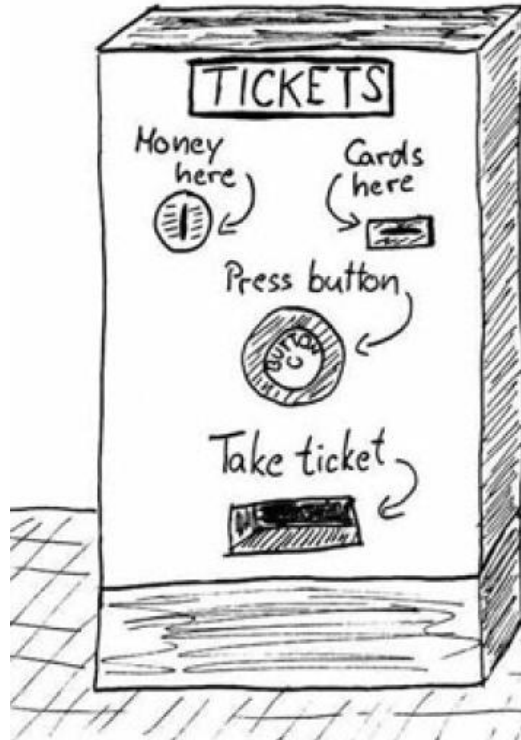
Ticketing made easy

Solutions from ATRON Group



Ticketing

AUSLAND



DEUTSCHLAND



©zeitgeist.photo



cashless payments have become the standard in all areas of life

➤ Card Based Systems:

Products (e.g., data, tickets) are physically stored on the card

➤ Account / ID based Systems:

Products (e.g., data, tickets) are stored in the central backend system

➤ Closed Loop Payment:

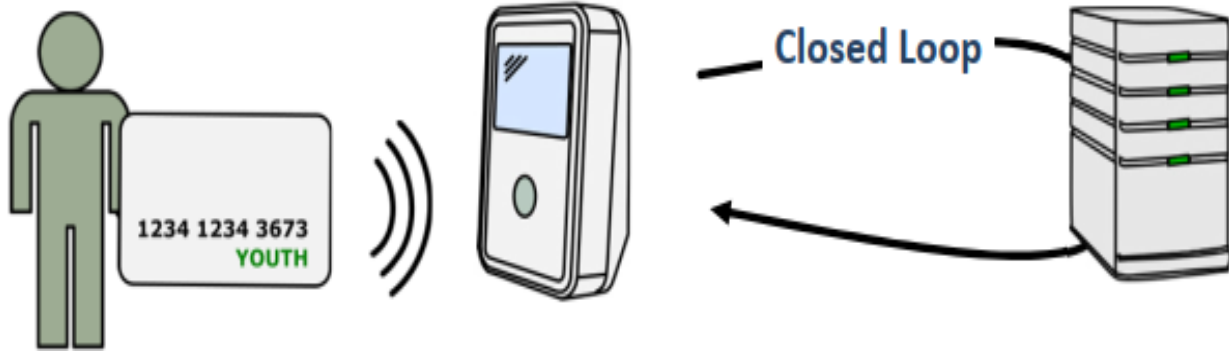
A tap credits the value to the customer account using a transit operator-issued customer card

➤ Open Loop Payment:

A tap reduces the value in the customer bank account using a bank-issued debit/credit card

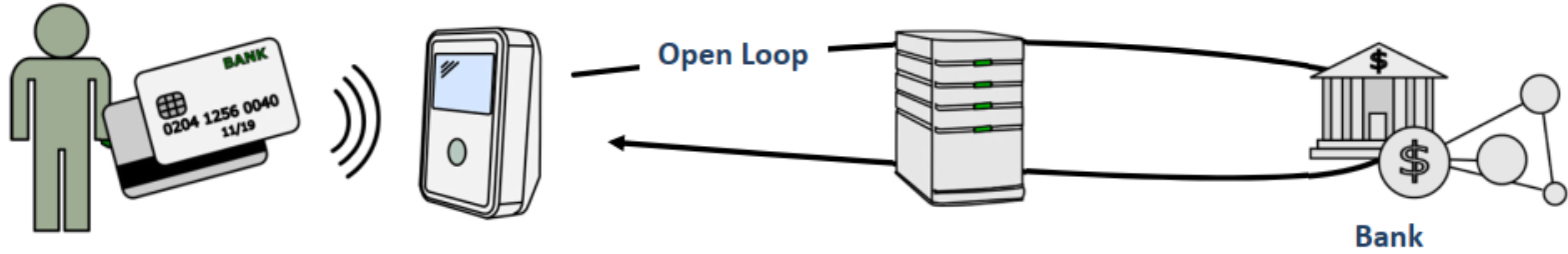
Ticketing made easy

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Ticketing made easy

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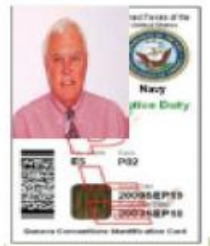


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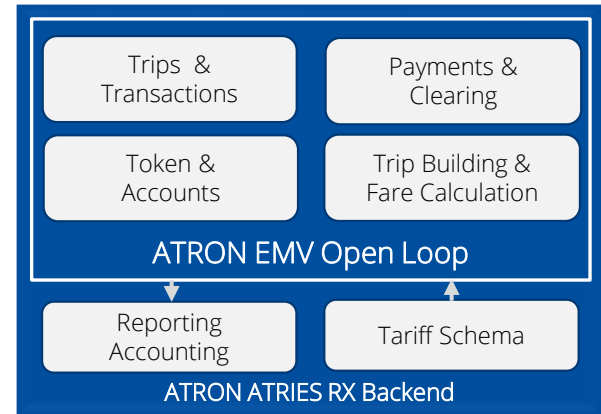
Medium



Validator

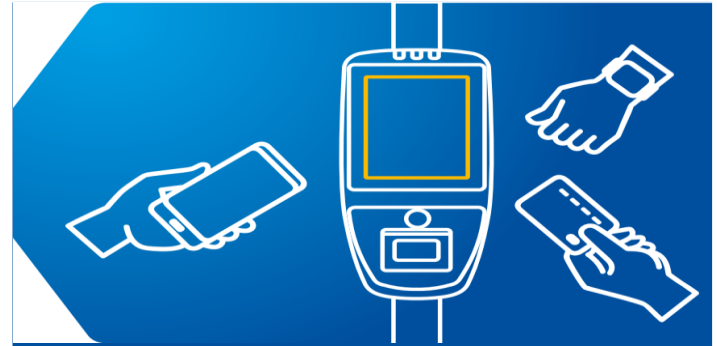


Backend System



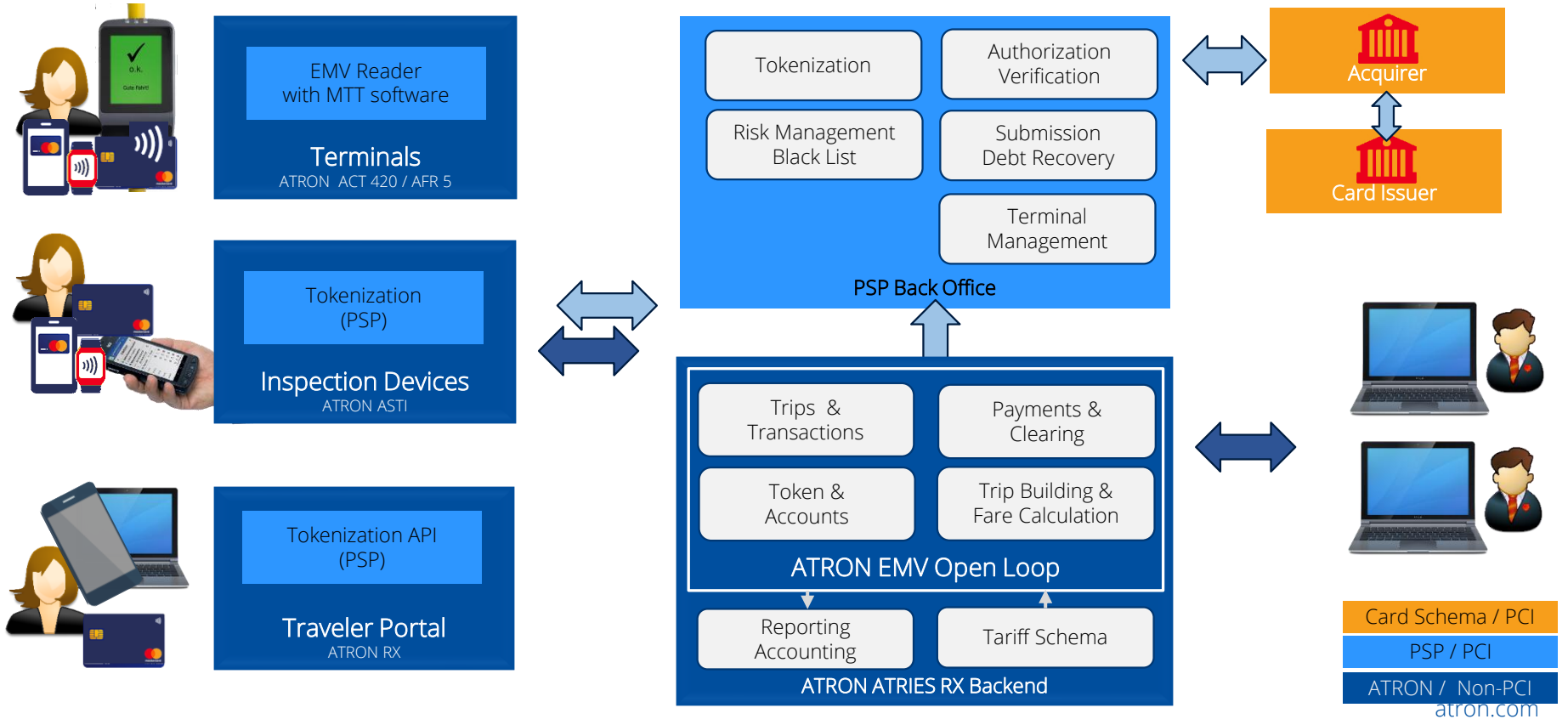
Ticketing made easy

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- Globally accepted standard
- Payment processing with a high security standard
- Passengers do not need any fare knowledge
- High acceptance and enhanced image among passengers

System Overview EMV Open Loop



Account & ID-Based Ticketing – Just an extension for us!

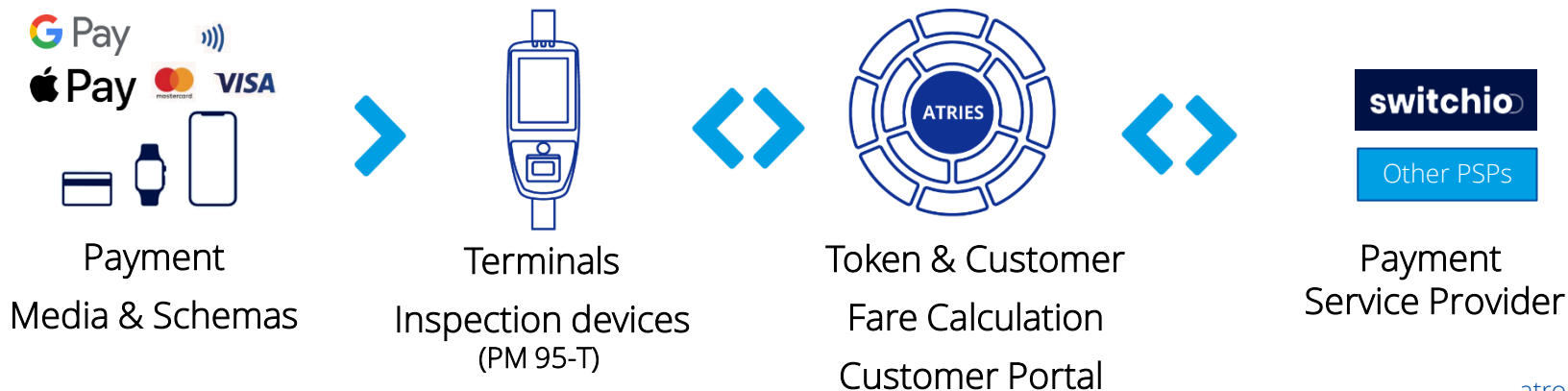


➤ EMV Open Loop / Mass Transit – The «London-Model»



- Tap in / Tap out – «Pay as you go» with the existing Card / Device
- But also: existing tariff schemas, electronic tariffs (distance based), account-based purchase
- With some add-ons features: capping on daily, weekly or monthly base, multi-travelers

➤ Fully 100% integrated within ATRON ATRIES RX



A Smart Terminal in the vehicle or at stations / turnstiles

Check-In, Inspect, buy and validate



Ticketing made easy

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Open Loop Ticketing



Happy People

A blue bus is shown from a side-front perspective with its door open. The interior of the bus is visible through the door, showing a yellow handrail and a black door handle. The bus is parked on a road with a blurred background of a blue sky and a road surface.

**Many thanks
for your attention!**

> Stay connected

alexandergiegerich@atron.com