

TAGUS ORBIT APC · AUTOMATIC PASSENGER COUNTING

Passenger counts, with the context to act on them.

Stationary and onboard APC in one software layer — for transit agencies and technology partners.



Chicago solution · Train In / Train Out by station and track · captured view

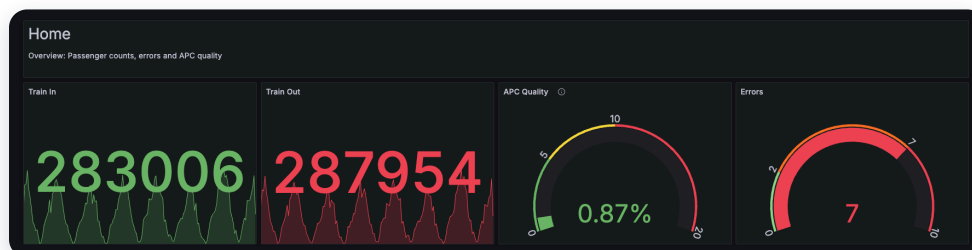
The operational blind spot

- Where is the load building?
- Which sensors need attention?
- Which readings need investigation?

Counts say how many. Tagus Orbit APC shows whether to trust them.

What the platform does

- Real-time counts**
Train In / Train Out by station, track and train, with point-level inspection.
- Occupancy & events**
Boarding and alighting alongside train load and vehicle-event context.
- Sensor health**
Every sensor's state and timestamp — the faulty one stands out immediately.
- Alert workflows**
Detect, notify, investigate, verify recovery — rules agreed per deployment.
- Data quality**
Transmission patterns, quality diagnostics and control charts before reporting.
- Open integration**
REST API to agency systems and technology partners; cloud or on-premises.

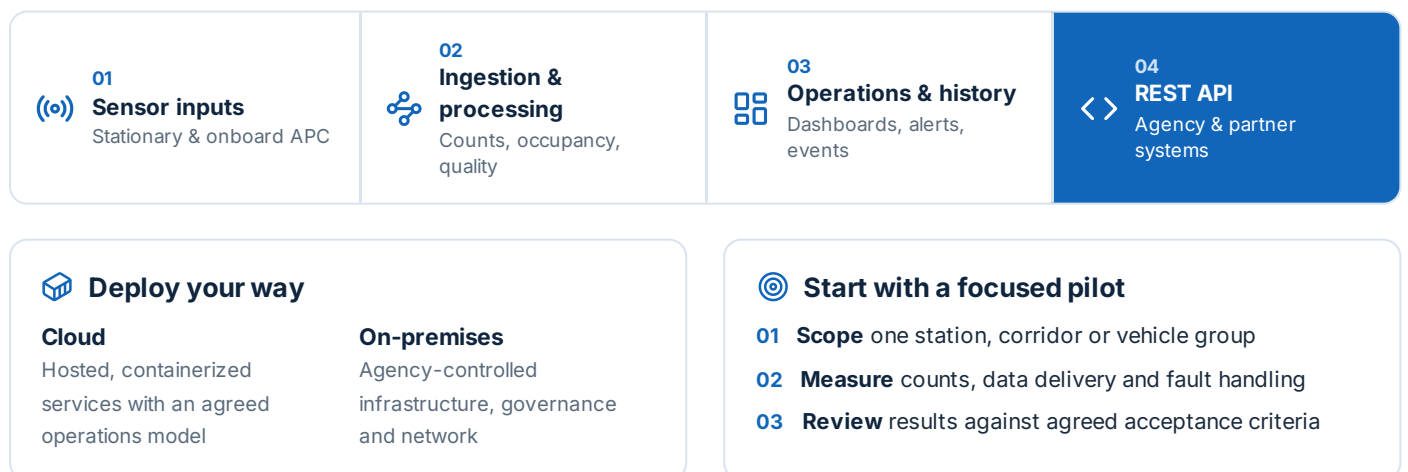


Live overview · counts, APC Quality (a named diagnostic, not an accuracy score) and errors

Station T2		
Time	Label	Value
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 1-2	OK
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 10-12	OK
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 3-4	OK
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 5-6	OK
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 7-8	OK
2026-09-14 20:31:50.000	Station T2 Track 1 Sensor 9-10	No Connection
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 1-2	OK
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 10-12	OK
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 3-4	OK
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 5-6	OK
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 7-8	OK
2026-09-14 20:31:50.000	Station T2 Track 2 Sensor 9-10	OK

Sensor states · one No Connection among OK sensors

From sensor to agency systems



Let's explore your station or fleet.

Request a Chicago solution demo or a partner integration session.

Contact
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