



Making public transport - attractive, efficient and safe

AUTOMATIC PASSENGER COUNTING SYSTEM

Intelligence in every journey

Real-time passenger
intelligence
for smarter public transport



98% Accuracy

Industry-leading counting precision even in crowded conditions



Real-Time Data

Live passenger load, embarks and disembarks per stop and per journey



Privacy Safe

No passenger identification. Only anonymous counting intelligence



Plug & Play

Quick installation with one sensor per door and flexible mounting options



Backoffice Analytics

Reports and dashboards by line, stop, vehicle or time period



Built For Transit

Rugged & reliable design for buses & trams, for a modern public transport



BUILT FOR RELIABILITY, DESIGNED FOR PERFORMANCE

98%

A complete solution for
passenger intelligence.

COUNTING
ACCURACY



Thoreb's Automatic Passenger Counting System (APC) delivers real-time passenger counting accuracy using advanced stereo 3D technology. Passenger flow data is available live or through reporting tools, helping operators and traffic planners optimise public transport operations.

- ✓ One sensor per door
- ✓ Highest passenger counting accuracy
- ✓ Vandalism proof
- ✓ Plug & Play installation
- ✓ Flexible mounting area
- ✓ Bi-directional counting
- ✓ High counting precision even if it's crowded
- ✓ Statistics & automated reports in PDF or Excel via a follow-up reporting tool

LIVE ANALYTICS & REPORTING PLATFORM

Real-time passenger intelligence.

- Embark and disembark
- Lines and journeys
- Passenger counting by bus and bus stop
- Passenger counting by bus and date
- Stops summary
- Stops detailed
- Vehicles
- Raw data



Vehicles online now

1.672 / 1.900

88% online



Boarded today

17,892

vs yesterday ↗ 8,4%

Occupancy avg.

45%

Across all vehicles



The Reporting Tool is a website that lets you search APC results using different filters. Each search has a set of filters and a set way of showing the results which together make up a report. The tool can also show maintenance reports, since health status data is included in the APC files.

The Thoreb Backoffice adds diagnostic information to the APC file. For each counting sensor, it lists possible health messages and groups them into three categories:

Status ok = sensor is working properly

Warning = counting may be inaccurate (but shall be considered fully functioning until further notice)

Not ok = counting data is invalid due to a technical issue

Thoreb tags the counting data at each stop with one of these health statuses, so the data can be filtered and searched by its health status.



LIVE ANALYTICS

Monitor occupancy, passenger flow and vehicle activity in real time



SMART REPORTING

Generate operational insights across lines, stops and journeys



SYSTEM HEALTH

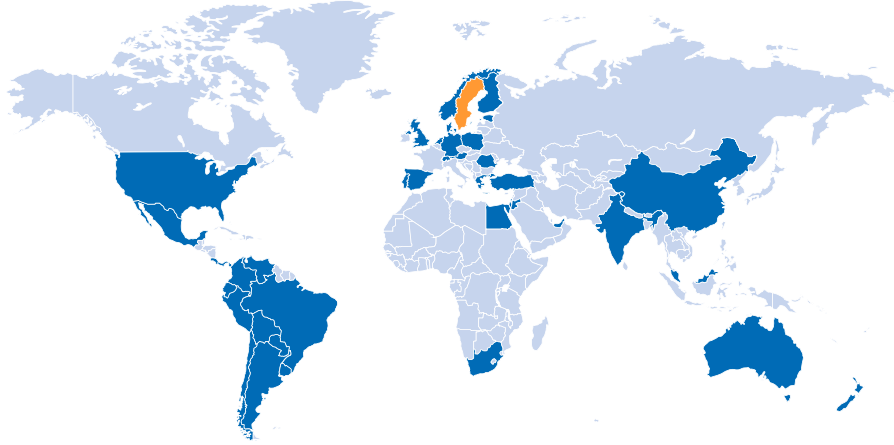
Track diagnostics, maintenance alerts and operational reliability



Making public transport - attractive, efficient and safe

Global presence.

Local expertise.



GLOBAL OFFICES

Thoreb IT-Vehicle

Thoreb ITvehicle AB

Inspektörsvägen 16 SE-831 48 Östersund, Sweden

☎ +46 31 734 39 00

✉ thoreb.se@thoreb.com

🌐 www.thorebitvehicle.se

Thoreb Australia

Thoreb Australia Pty Ltd - Pamela Otto

14/16 Bernera Road, Prestons NSW 2170, Australia

☎ +61 2 9534 05 00

✉ thoreb.au@thoreb.com

✉ pamela.otto@thoreb.com

Thoreb Austria

Thoreb Austria GmbH - Michael Oberkofler

Industriegasse 1/1, AT-7053 Hornstein, Austria

☎ +43 664 50 78 310

✉ thoreb.at@thoreb.com

✉ michael.oberkofler@thoreb.com

Thoreb Estonia

Thoreb Estonia OÜ - Heldis Andersson

Ahtri 6A EE-10151 Tallinn, Estonia

☎ +37 258 84 7508

✉ thoreb.ee@thoreb.com

✉ heldis.andersson@thoreb.com

Thoreb Finland

Thoreb FI - Niko Andersson

Ajodata OY PL 34 FI-02 211 Espoo, Finland

☎ +358 40 900 8019

✉ niko.andersson@jeti.fi

Thoreb Greece

Thoreb GR - Spyros Stathouloupoulos

Ritsoy 3 60100 Andromachi, Katerini, GR

☎ +30 6975767515

✉ thoreb.gr@thoreb.com

✉ spyridon@thoreb.com

Thoreb United Kingdom

Thoreb Limited - Vasilios Vainalis

18 Trinity Enterprise Centre, Furness Business Park, LA14 2PN
Barrow-in-Furness, Cumbria, United Kingdom

☎ +46 703 47 79 22

✉ thoreb.uk@thoreb.com

✉ vasilios.vainalis@thoreb.com

Thoreb Israel

UBSI

City 1 Building Industrial Zone C, Nof Hagalil, Israel

☎ +972 4 6414 700

✉ info@ubsi.co.il

Thoreb Romania

Thoreb Information Systems S.R.L. Claudiu Moiseanu

14 Șoseaua Cotroceni, Sectorul 6 RO-060111 Bucuresti, RO

☎ +40 31 432 66 73

✉ thoreb.ro@thoreb.com

✉ claudiu.moiseanu@thoreb.com

Thoreb South America

Thoreb do Brasil - Paulo Gatelli

Rua Aurélio Dal Zotto, 279, Cidade Nova, Caxias do Sul - RS Brazil

☎ +55 54 3021 6508

✉ thoreb.br@thoreb.com

✉ paulo.gatelli@thoreb.com

Thoreb Türkiye

Transtek Turkey Otomotiv - Muna Afifi

Merkez Mah. Akar Cad. No:3 N:171 Şişli, İstanbul

☎ +90 533 931 95 74

✉ muna.afifi@transtektr.com

HEADQUARTERS

Thoreb Headquarters

AB Thoreb

Tryggestad 40, 387 94 Borgholm, Sweden

☎ +46 31 734 39 00

✉ thoreb.se@thoreb.com

Thoreb Gothenburg

AB Thoreb

Gruvgatan 37, SE-421 30 Västra Frölunda, Sweden

☎ +46 31 734 39 00

✉ thoreb.se@thoreb.com