

# What's up, home?

Saving my time and money with Zabbix

### Helsinki area traffic

### Next planned electricity grid maintenance starting in

# 20.26d

	Last check	Last value
<input type="checkbox"/> Host		
<input type="checkbox"/> rata.digitraffic.fi	Actual time	1m 41s
<input type="checkbox"/> rata.digitraffic.fi	Cancelled?	1m 41s
<input type="checkbox"/> rata.digitraffic.fi	Commuter line	1m 41s
<input type="checkbox"/> rata.digitraffic.fi	rata.digitraffic.fi master data	1m 41s
<input type="checkbox"/> rata.digitraffic.fi	Scheduled time	1m 41s
<input type="checkbox"/> rata.digitraffic.fi	Train moving?	1m 41s

# Who am I?

- Janne Pikkarainen from Finland
- Here thanks to my What's up, home? blog
- Been doing IT for living since 1999
- Working at Forcepoint since 2014, Lead SRE since 2022
- Walking, talking Zabbix commercial

## Finland Named Happiest Country In The World For The 8th Year In A Row, Per 2025 Report

The title comes from the UN Sustainable Development Goals World Happiness Report 2025, which focuses on life expectancy, income, social support, freedom, trust, and community.



# Forcepoint



# I monitor **everything** with Zabbix

Extensive list at <https://whatsuphome.fi/>

AdGuard Home

Air conditioner

Air humidifier

Airport departures/arrivals

Air quality index (outdoors)

Apple Watch

Baby sleep

Baby stroller temperature

BackupPC

“Banana” color

Car location

CCTV camera

CO2 levels (indoors)

Cozify

Countdown timer

Docker

Dog in bed?

Door sensors

Elasticsearch

Electricity price

Electricity consumption

Facial cream usage

FlightGear

HAProxy

HashiCorp Vault

Headset

Home router

HP LaserJet

Jenkins

Laptop webcam

Lights

Logs

Lunch menus

Maritime traffic

Mobile data usage

Motion sensors

MySQL

Northern Lights

Philips OneBlade

Power sockets

PostgreSQL

Product prices

Raspberry Pi 4

Roomba

RSS feeds

Selenium

Smoke/fire alarm

Sonos smart speaker

Thermometers

TV

Weather

[whatsuphome.fi](https://whatsuphome.fi/) website

[whatsuphome.fi](https://whatsuphome.fi/) visitors

Zabbix Security Advisories

# Why monitor my surroundings?

To save time and money!

- To further stretch the idea that Zabbix can be a Single Pane of Glass, no matter what is the scope of your monitoring
- To save time and money: No need to visit multiple websites or apps, one Zabbix dashboard to catch 'em all
- I want to bring new ideas to the whole Zabbix community
- Because it's fun!





# No need to visit multiple sites

The screenshot displays the Helsinki public transport website interface. At the top, there's a search bar with "Helsinki" entered. Below it, the "Departures" tab is active, showing a list of trains. The first train departs at 21:34 to Lahti, and the second at 21:36 to Lentoasema (Airport). To the right, the "Arrivals" tab shows a list of incoming trains with their respective tracks.

In the center, there's a "Traffic Situation" section featuring a map of the Helsinki area. The map shows various road conditions, including congestion and incidents. A large red 'X' is overlaid across the entire screenshot, indicating a significant issue or error.

At the bottom, there's a section titled "Helsinki" which appears to be a fuel price comparison tool. It lists several gas stations along with their current prices and historical data. The stations include Shell, St1, Neste Express, and Neste Oil, all located near Myllypuro and Alppila.

Jakeleminen	PVM	95E10	98E	Di
Keskiahinnat:		1.796	1.909	1.733
Shell, Myllypuro Myllyrengintie 2, Kehä I (*Vpower)	26.06.	1.723	*1.823	1.679
St1, Alppila Itäinen Brahenkatu 2 (*Vpower)	25.06.	1.838	*1.938	1.788
St1, Tullinpuomi Topeliuksenkatu 45 (*Vpower)	25.06.	1.794	*1.894	1.744
Neste Express, Mannerheimintie Reijolankatu 3	25.06.	1.764	-	1.714
Neste Oil, Eläintarha Nordenskjöldinkatu 22	25.06.	1.741	1.934	-
Neste Oil Express, Viikki Viikinportti 1 (Pihlajamäentie 4 )	25.06.	1.718	1.828	1.674
Shell, Lauttasaari Heikkiläntie 12 (*Vpower)	25.06.	1.798	*1.898	1.748

ZABBIX

home-Zabbix

All dashboards / Nearby environmental status

DashboardsMonitoringServicesInventoryReportsData collectionAlertsUsersAdministration

Weather

moderate rain

0 C13.81 C40 C

Outdoor temperature

Electricity grid

Next planned maintenance starting in

20.33d

Fuel prices

Neste Heikinlaakso: Fuel 95E10 price

0 €1.86 €3 €

83€

From empty to full

ABC Malminkartano: Fuel 95E10 price

0 €1.71 €3 €

76€

From empty to full

ST1 Tattarisuo: Fuel 95E10 price

0 €1.61 €3 €

72€

From empty to full

Trains

Scheduled time

2025-08-29 01:04:00 PM

Actual time

2025-08-29 01:04:10 PM

Cancelled?

No (0)

Difference to scheduled time

00:00:10

Arrival/departure track

4

Train moving?

No (0)

# My data sources

## Digitraffic

Information about open data for application development from Finnish road, railway and marine traffic.

- Finland has plenty of official open data sets and APIs for infra, traffic, weather and so forth
- Zabbix HTTP agent item type is perfectly fine for fetching the data
- For getting entertainment data from movie theaters, restaurants, other places, let's use Zabbix 7.x Browser item type to scrape the interesting bits

### All Finnish open data from one place

**2325**

Datasets

**74**

APIs

**755**

Publishers

**105**

Showcases

Type what you are searching for

Search

[Use advanced search](#)

## Fintraffic

We control traffic on land, at sea and in the air. We help people and goods arrive safely and smoothly, while also taking account of the environment. Intelligent traffic control services, digital services for companies and consumers and up-to-date traffic information are at the core of our work.

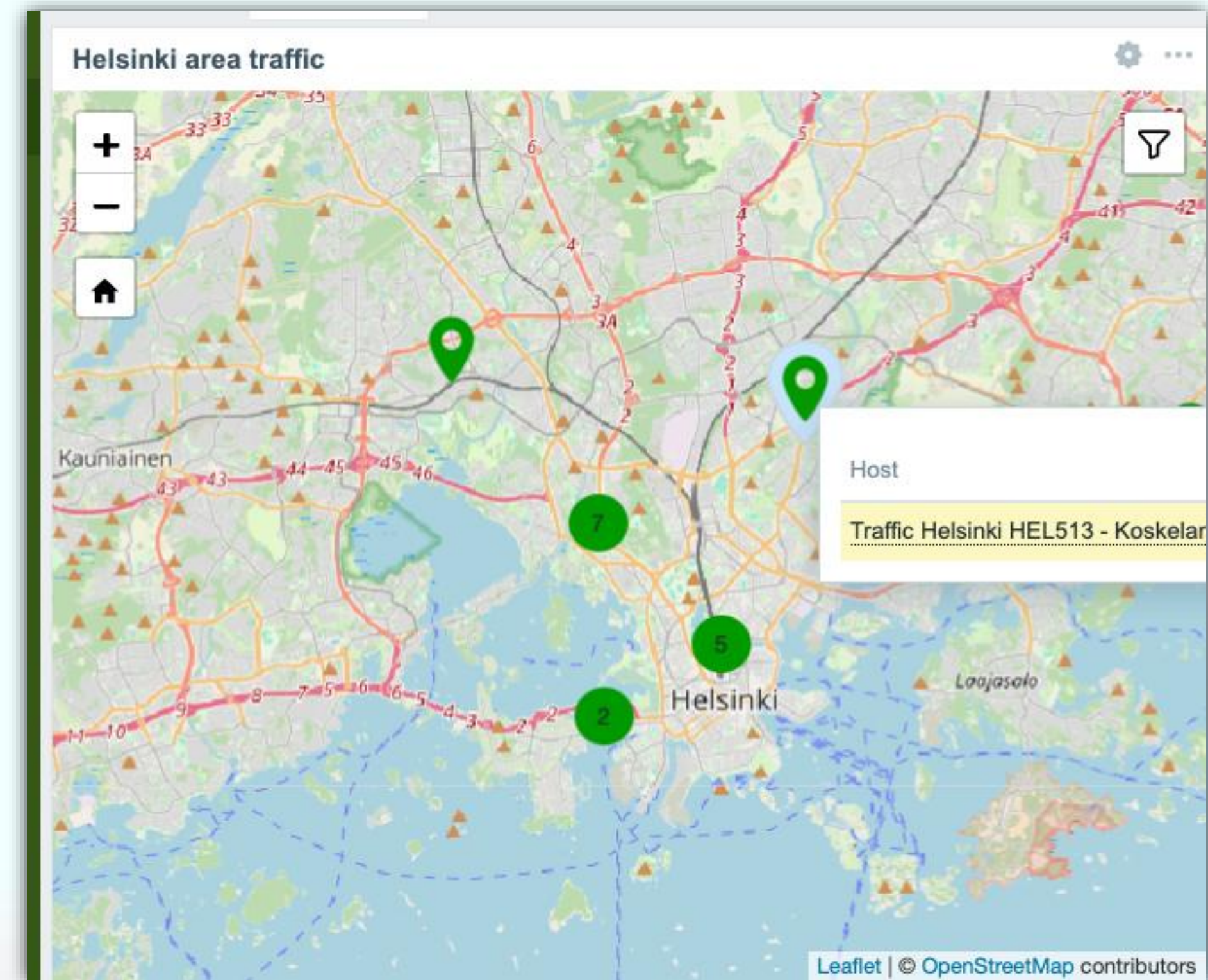
[→ What is Fintraffic?](#)

# Examples



# Road traffic

- Data from Fintraffic, showing
  - Current speed
  - Accidents
  - Road work

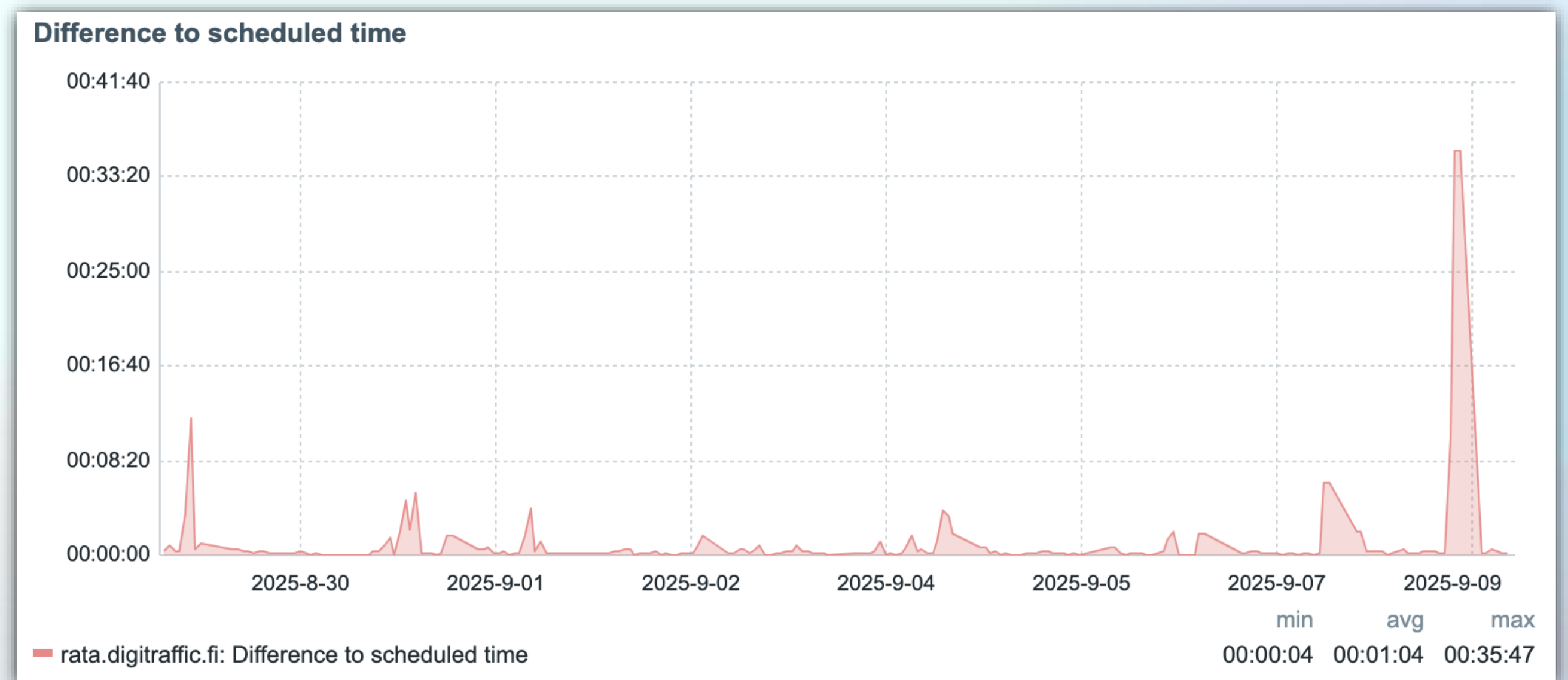




# Train info

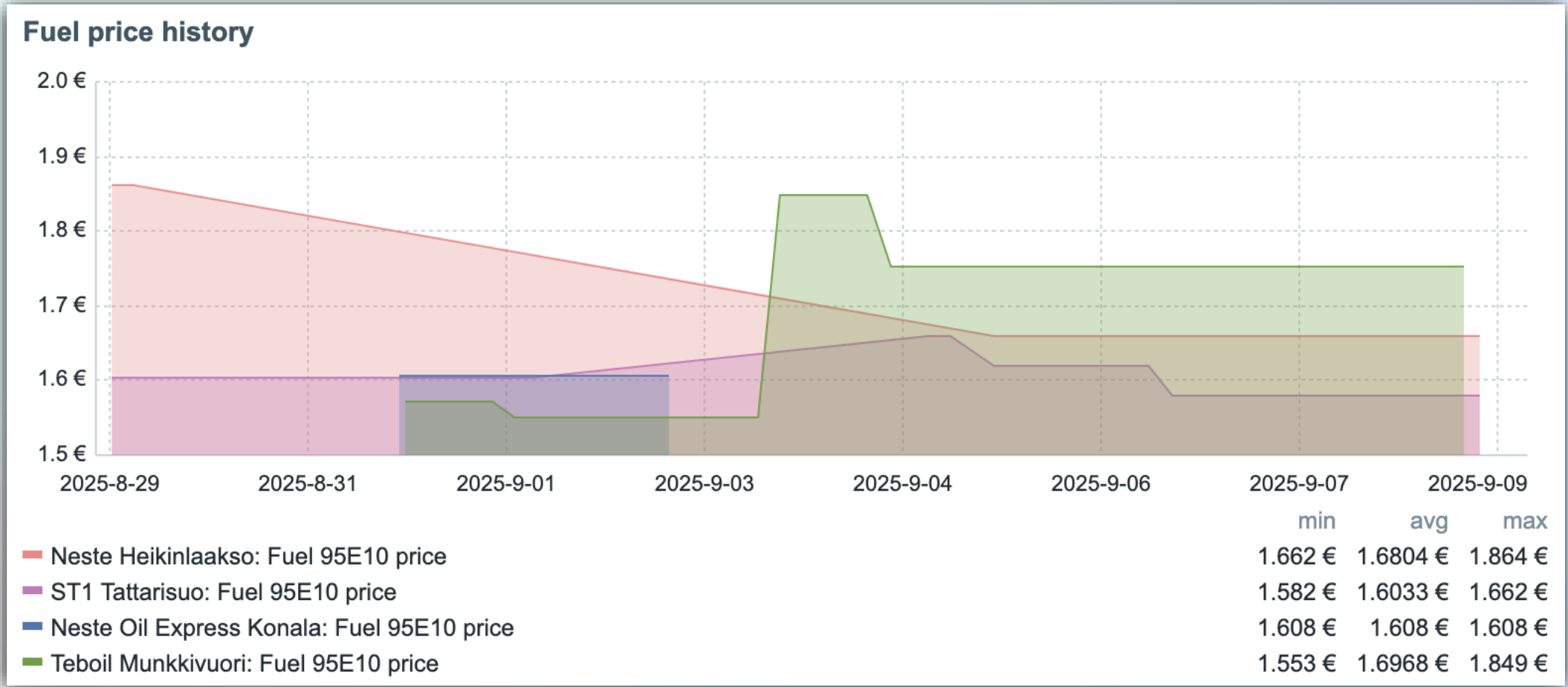
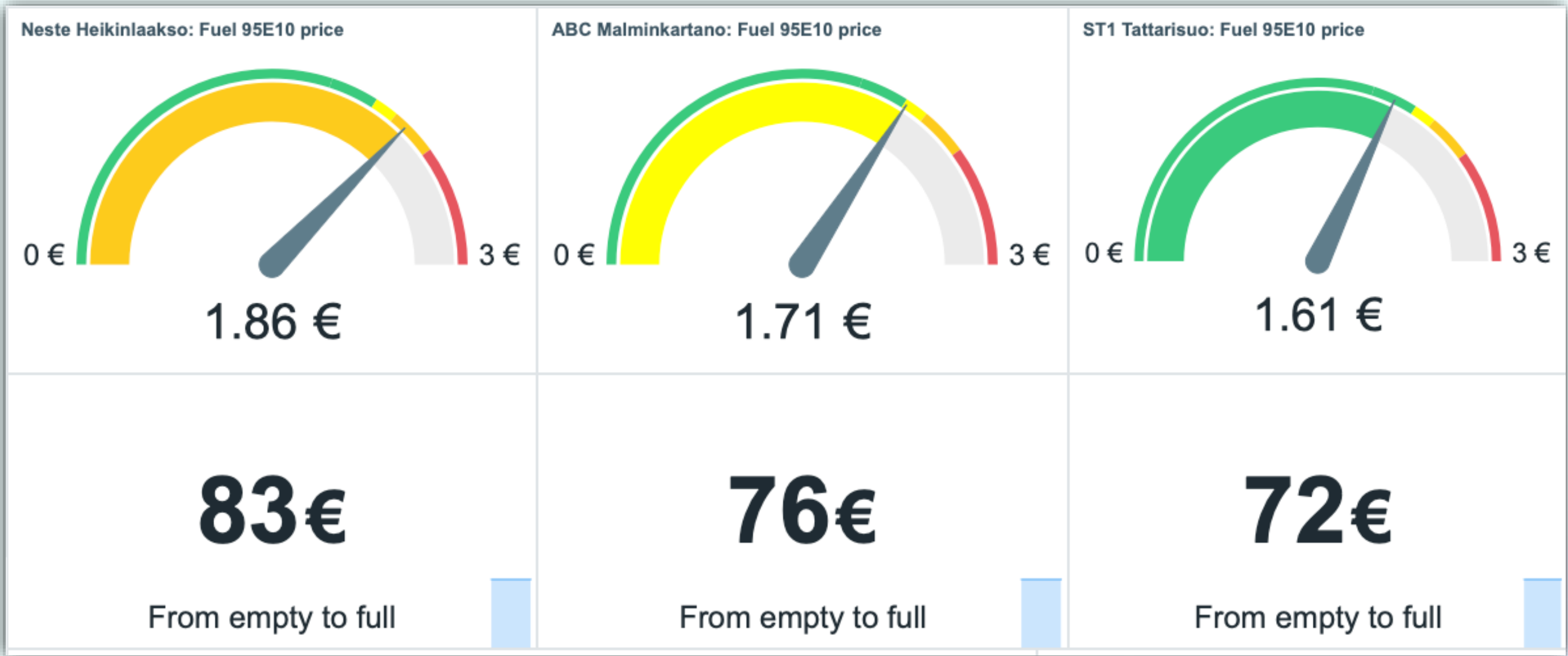
- Data from Digitraffic
- Real-time info about trains
  - Per-station schedules
  - Arrival/departure track
  - On-time or not
  - Cancelled?

Train arrival scheduled time	Difference to scheduled time
<b>2025-08-29 12:04:00 PM</b>	<b>00:00:28</b>
Train arrival actual time	Train track
<b>2025-08-29 12:04:28 PM</b>	<b>4</b>



# Fuel prices

- See the fuel prices near you
- Find the cheapest station
- Easily see historical prices per station
- Price-watch: make a Zabbix alert if price drops below certain threshold

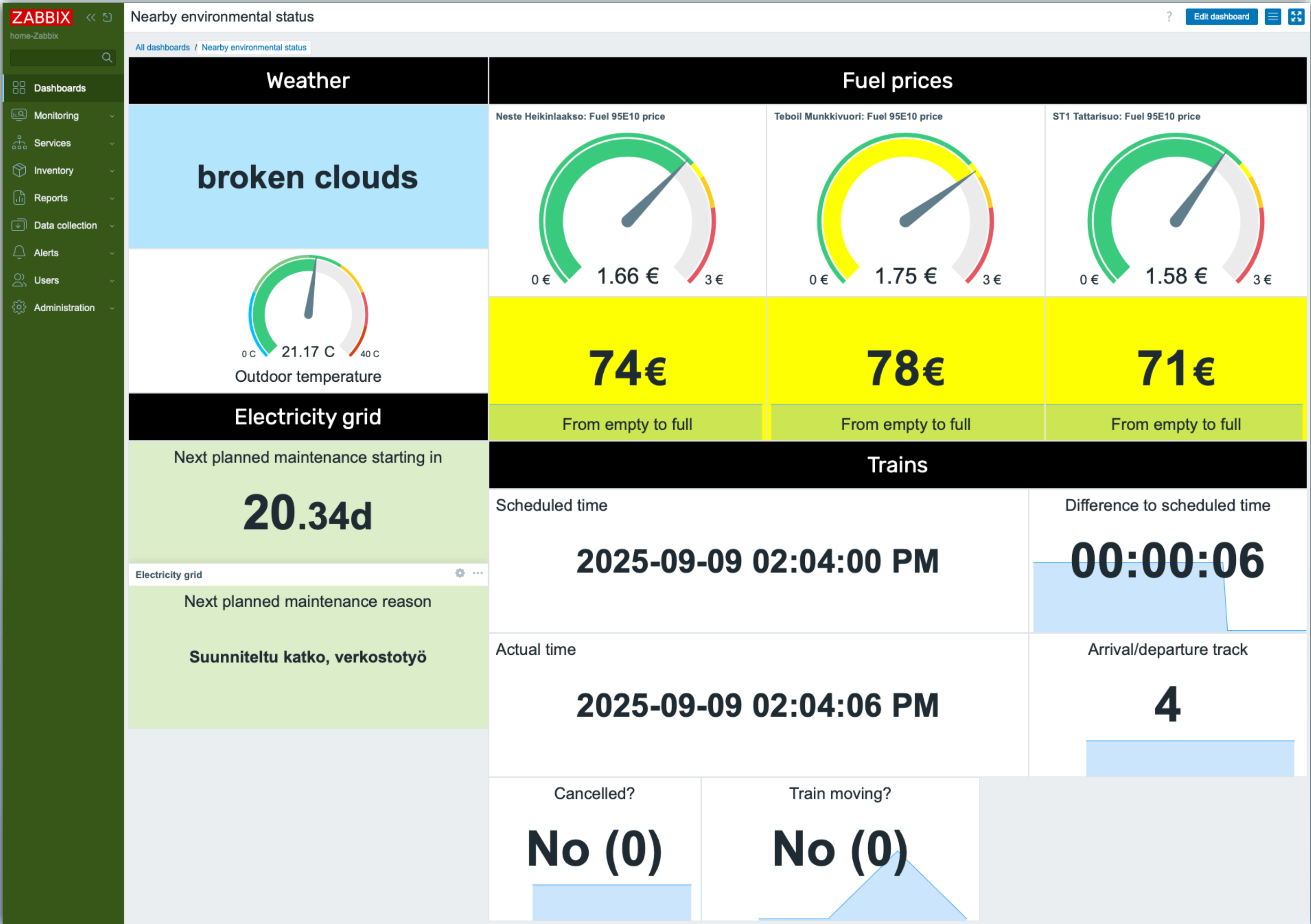




# Movies, restaurants...

- Just point your Zabbix Browser tests to restaurant / movie / other entertainment websites
- Grab a screenshot of the sites or even better...
- Use Browser tests to get only the data that matters and gather that as Zabbix items

# Summarize it all to a dashboard





# Any questions?

- Deep-dives of today's examples and more will be on my blog: I have created the posts already, and they have been scheduled to be published one by one every Friday at 7AM Finnish time
- Go to my blog: <https://whatsuphome.fi/>
- Email me at [contact@whatsuphome.fi](mailto:contact@whatsuphome.fi)
- Connect with me on LinkedIn: <https://www.linkedin.com/in/jannepik/>
- Feel free to ask from here at the summit

THANK YOU!