An aerial, high-angle photograph of a busy city street intersection. The scene is captured from a high vantage point, showing multiple lanes of traffic. A large white bus is prominent in the center, moving towards the bottom of the frame. Several cars, including a blue sedan and a white van, are visible in various lanes. Pedestrians are seen crossing the street at a crosswalk. The surrounding urban environment includes buildings, streetlights, and utility poles. The lighting suggests a clear day with distinct shadows cast by the vehicles and buildings.

Hvordan kan teknologi gjøre byer
bedre på deling?



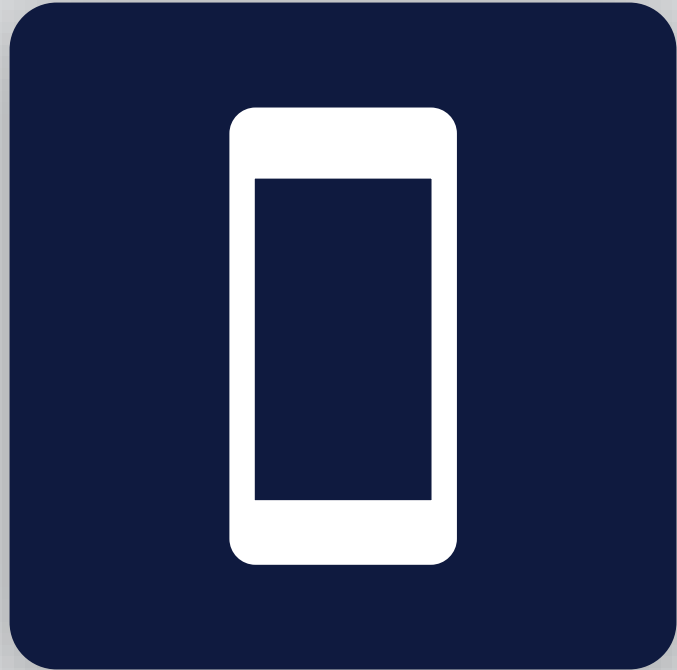
Everything is connected



Advanced Cloud Services



Real-time data and
machine learning.



Everybody has a smart-phone.



Bysykkel i Oslo
- et samarbeid mellom
Clear Channel Norway
og kommunene

Oslo

Bysykkel

Kjapt og sunt - byen rundt

0841929516

Clear Channel Norway AS,
Postboks 3813 Ullevål Stadion, 0805 Oslo
Servicetelefon: 815 00 250
E-post: bysykkel@clearchannel.no
For mer informasjon se vår hjemmeside: www.oslobysykkel.no

God tur!





PÅ SYKKEL

VALGT STATIV
Youngstorget
ved utedoen · 30m unna

3
LEDIGE SYKKLER

13
LEDIGE LÅSER

Open Save New Share Meta

Map of Oslo, Norway, showing streets like Hausmannsgate, Bernt Ankers gate, and Torggata. A red circle highlights a location on the map.

Mapbox Satellite OCM OSM

Feedback About | © Mapbox © OpenStreetMap Improve this map

JSON Table ? Help anderssvendal | logout

```

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33            ]
34          ]
35        ]
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37    },
38  ],
39  "type": "Feature",

```

Back to Bysykkel 09:41 100%

Map of Oslo, Norway, showing streets like Torggata, Bernt Ankers gate, and Calmeyergate. A red circle highlights a location on the map.

Google

Torggata
VED BERNT ANKERS GATE

🚲 23 🚰 7

64M UNNA

Map navigation icons: location, menu, profile



N Telenor 4G 16:19

Østve Erikkvart
Norsk design- og
arkitekturcenter (DGG)

Sjønns gate

7

Hausmanns gate

Google

Jakob kirke

VED AKERSELVA

7

LÅS OPP SYKKEL



Oslo



2 650 613 trips

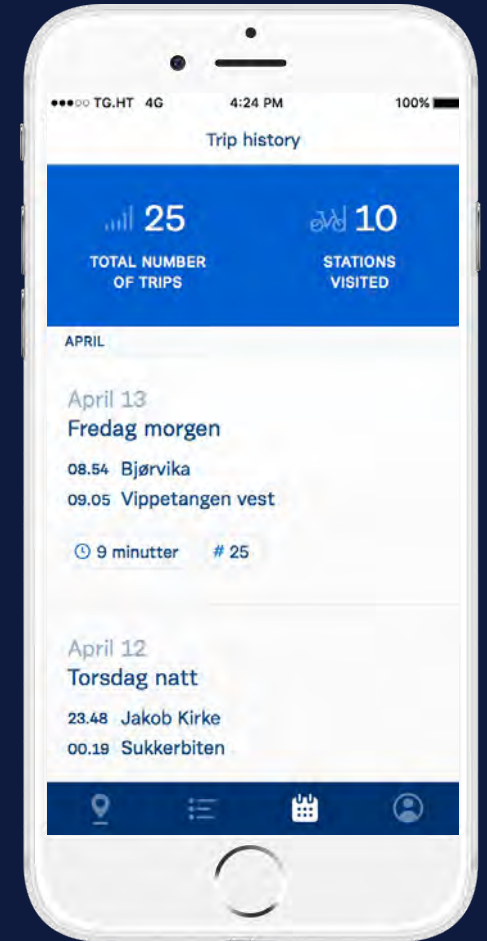
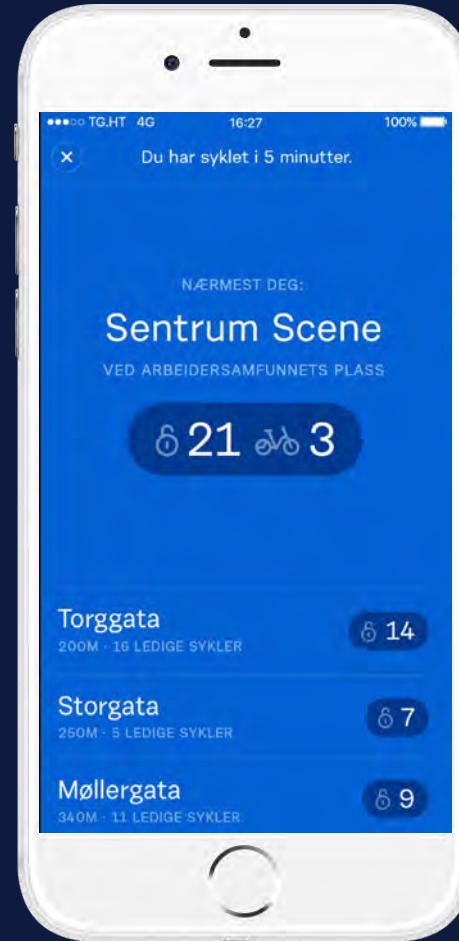
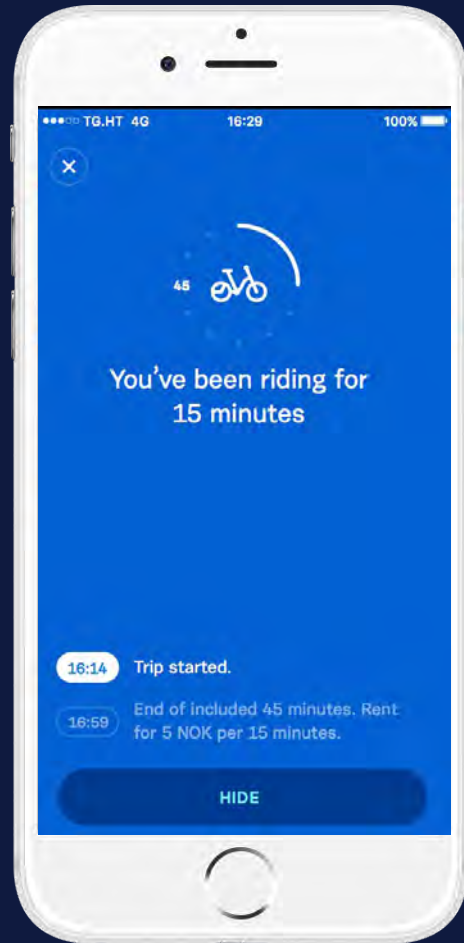
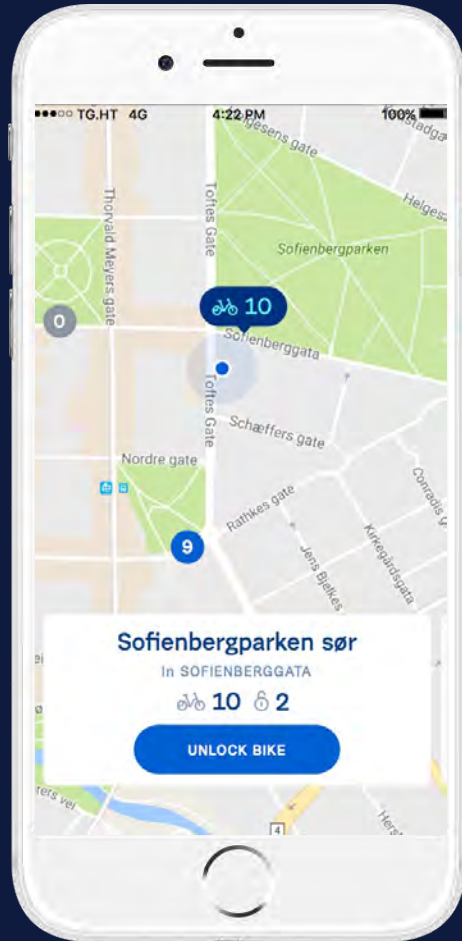
+167% increase from 994 000 in 2015

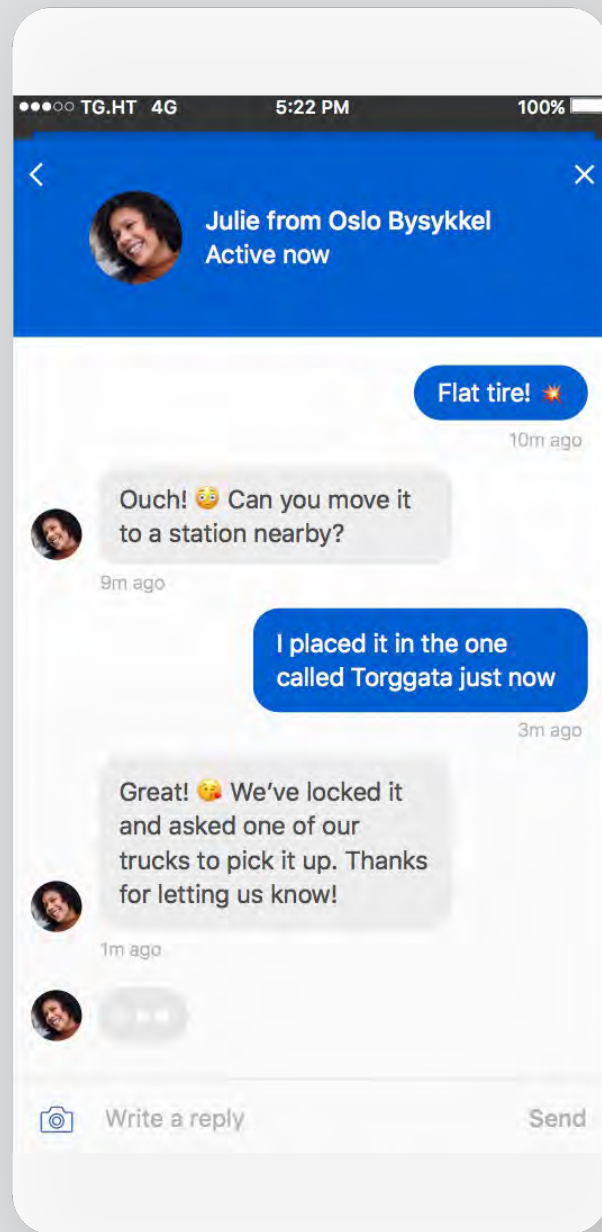
7,8 trips per bike per day

4.3 in 2015, 9.8 in 2016

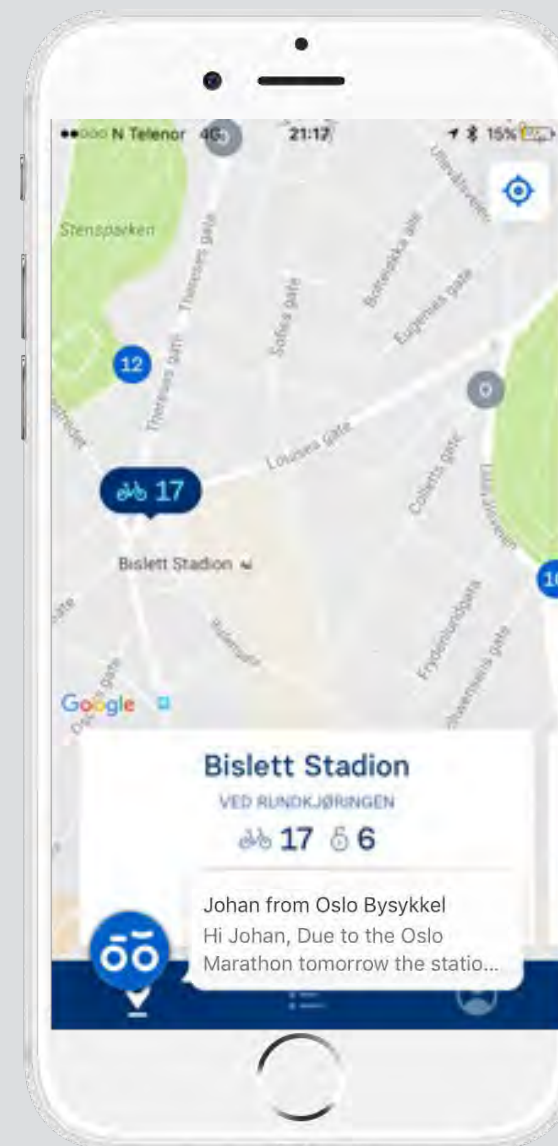
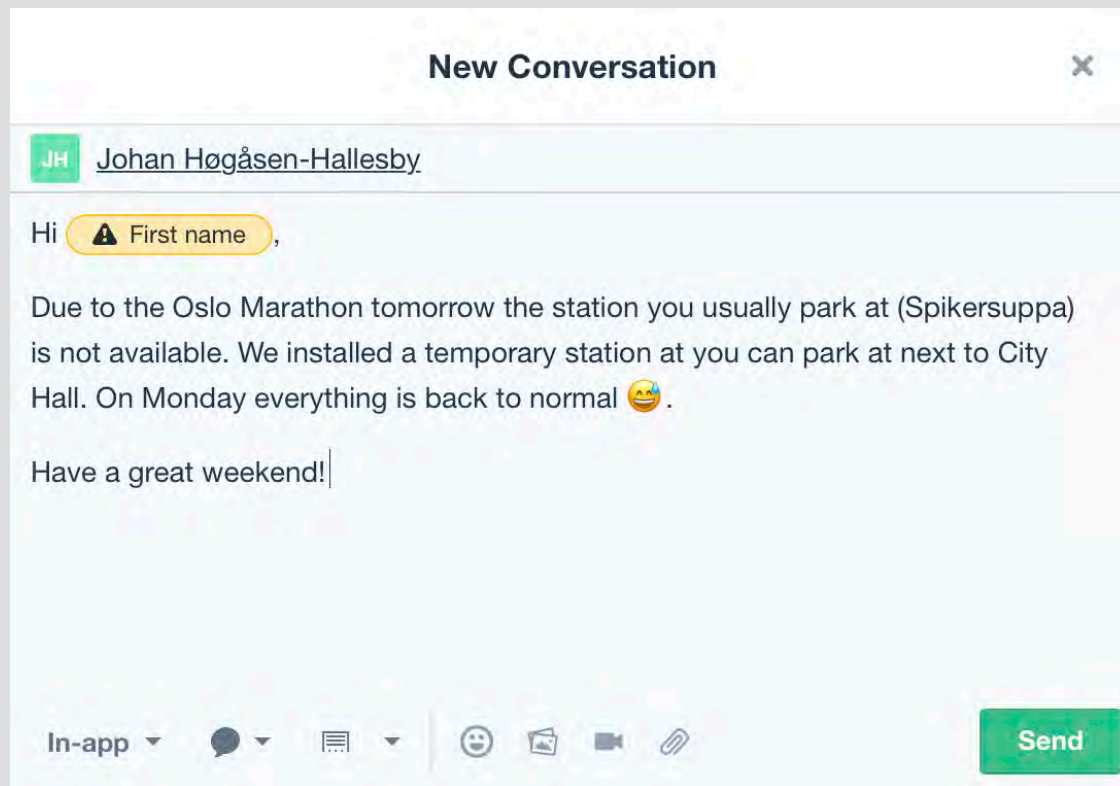
51 trips per user

Avg. was 46 in 2016 - 33 in 2015





Customer conversations.





óó

oo



Flirting



Joyful



Angry



Sad



Anxious



Sceptical



Bright idea



Listening



Sweating



Brooding



Pleased

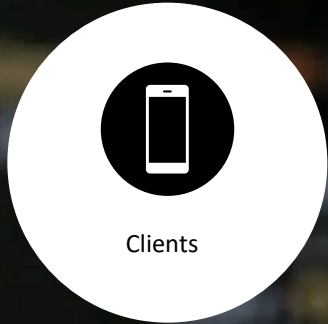


Sorry



Mike Hunt
was here ↗

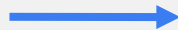




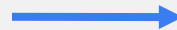
Cloud Pub/Sub



Cloud Dataflow



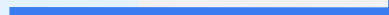
Cloud Datastore



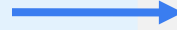
Analytics API



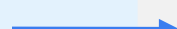
BigQuery



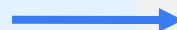
- Transaction logs
- Vehicle locations log
- Maintenance log
- Trip log
- System snapshots (every 30s)
- +++



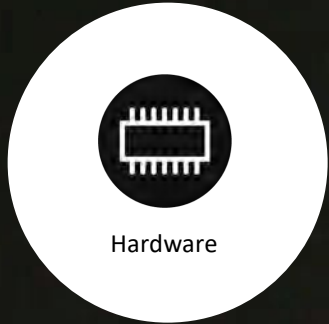
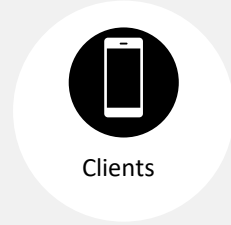
Analysis
Cloud Datalab



ML
Cloud ML



Presentation
Data Studio



Oslo City Bike by the numbers



223

RIDING RIGHT NOW



1 006

TRIPS TODAY

ALL TIME HIGH: 20 207



06:33

MEDIAN TRIP DURATION

ALL SEASON: 09:04



1 216

BICYCLISTS TODAY

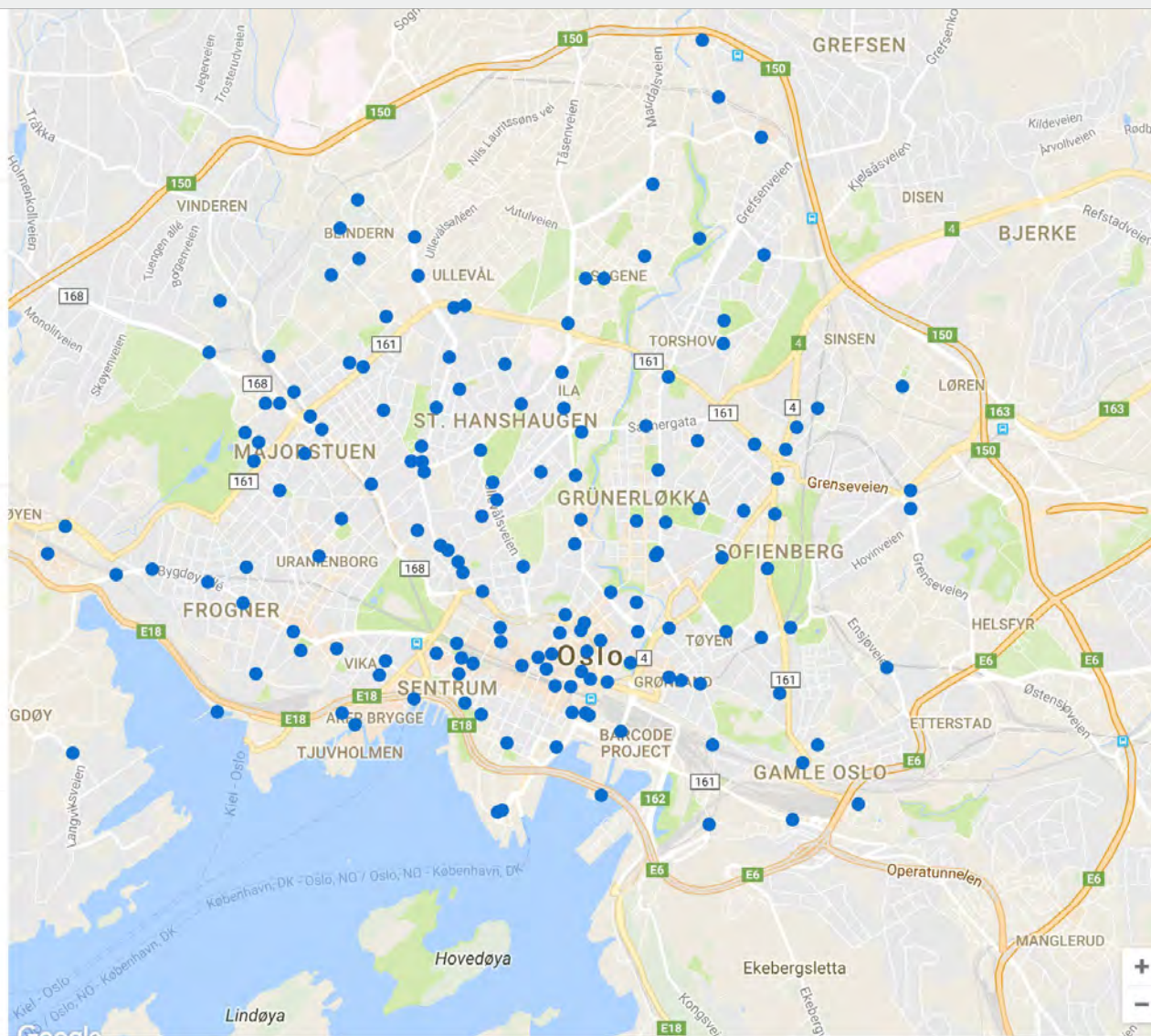
ALL TIME HIGH: 11 802




2 108 850

TOTAL TRIPS 2017

TOTAL TRIPS 2016: 2 150 646




Home API Data  Log in Sign up

Data

Every month we publish historic trip data from the Oslo City Bike system. Are you doing something cool with this data? Be sure to let us know on developer@oslobysykkel.no or [@oslobysykkel](https://twitter.com/oslobysykkel) on Twitter.

Trip data

December 2016	JSON	CSV
November 2016	JSON	CSV
October 2016	JSON	CSV
September 2016	JSON	CSV
August 2016	JSON	CSV
July 2016	JSON	CSV
June 2016	JSON	CSV

Home API Data  Log in Sign up

Welcome

We love all the questions and requests we get for our data. If you want to analyse how the system is used, visualize movements, build bike sharing into your apps or have other interesting ideas, we are more than happy to provide you what you need to get started.

API


The always up-to-date overview of the city bike system

Data

Monthly data of all trips published in CSV and JSON formats

You'll need an account to get the credentials necessary for using the API. [Sign up for an account](#)

Do you have any questions relating to the data? Please send us an e-mail to developer@oslobysykkel.no.

Home API Data  Log in Sign up

API

The API provides an updated overview of all the stations, their meta data and bike availability.

Client Identification

In order to use the API, you'll need a client identifier. This is a unique string identifying your application. In order to get one register as a developer and create a new client.

To identify your application, send the custom `Client-Identifier` header along with all requests to the api.

API Endpoints

The root uri for all endpoints are `https://oslobysykkel.no/api/v1`

GET /stations

Get data for all stations currently in operation.

CURL request

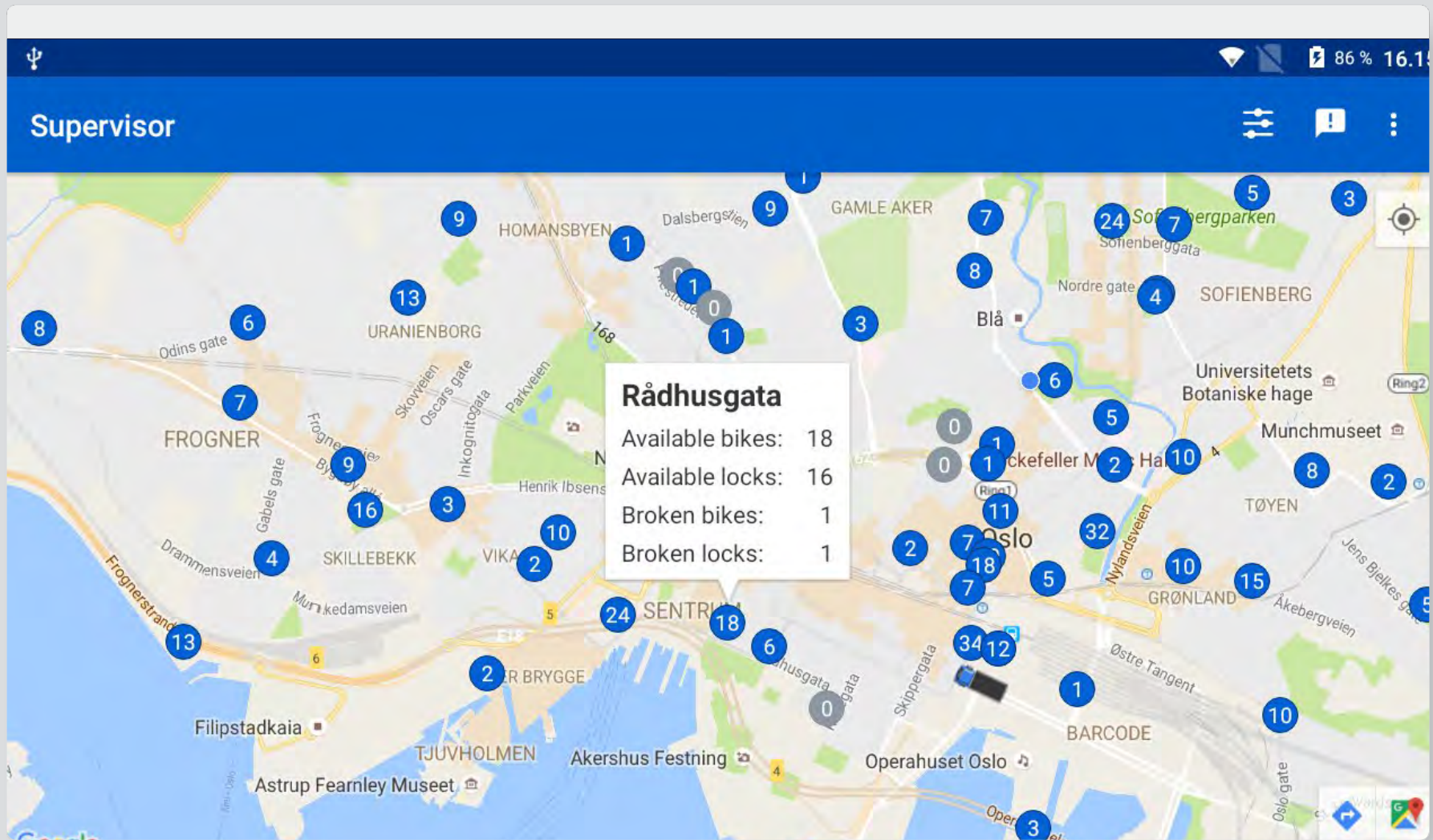
```
curl -H "Client-Identifier: IDENTIFIER" \
https://oslobysykkel.no/api/v1/stations
```

Response

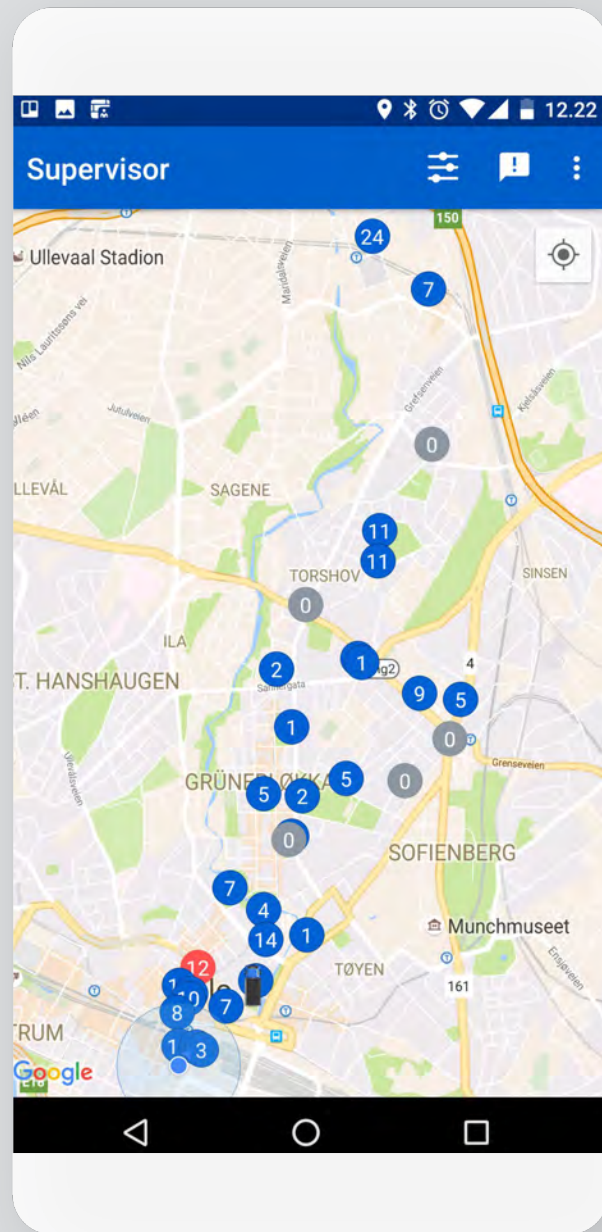
```
{
```



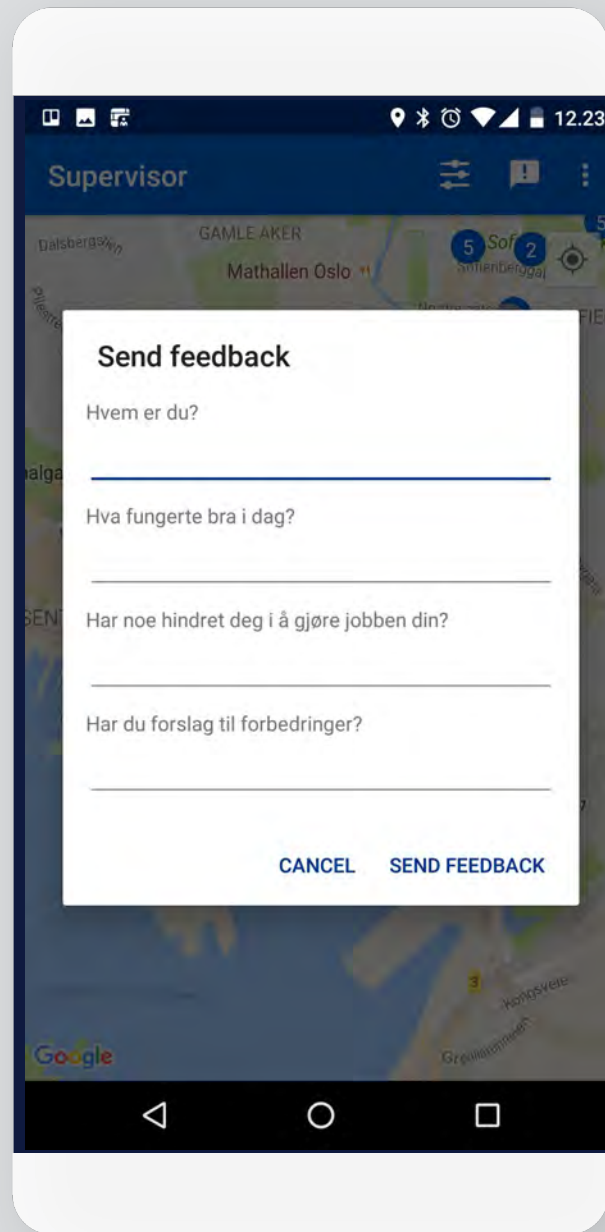
Løse kombinert mobilitet



Verktøy for "Flygeledere"



...og ombærere



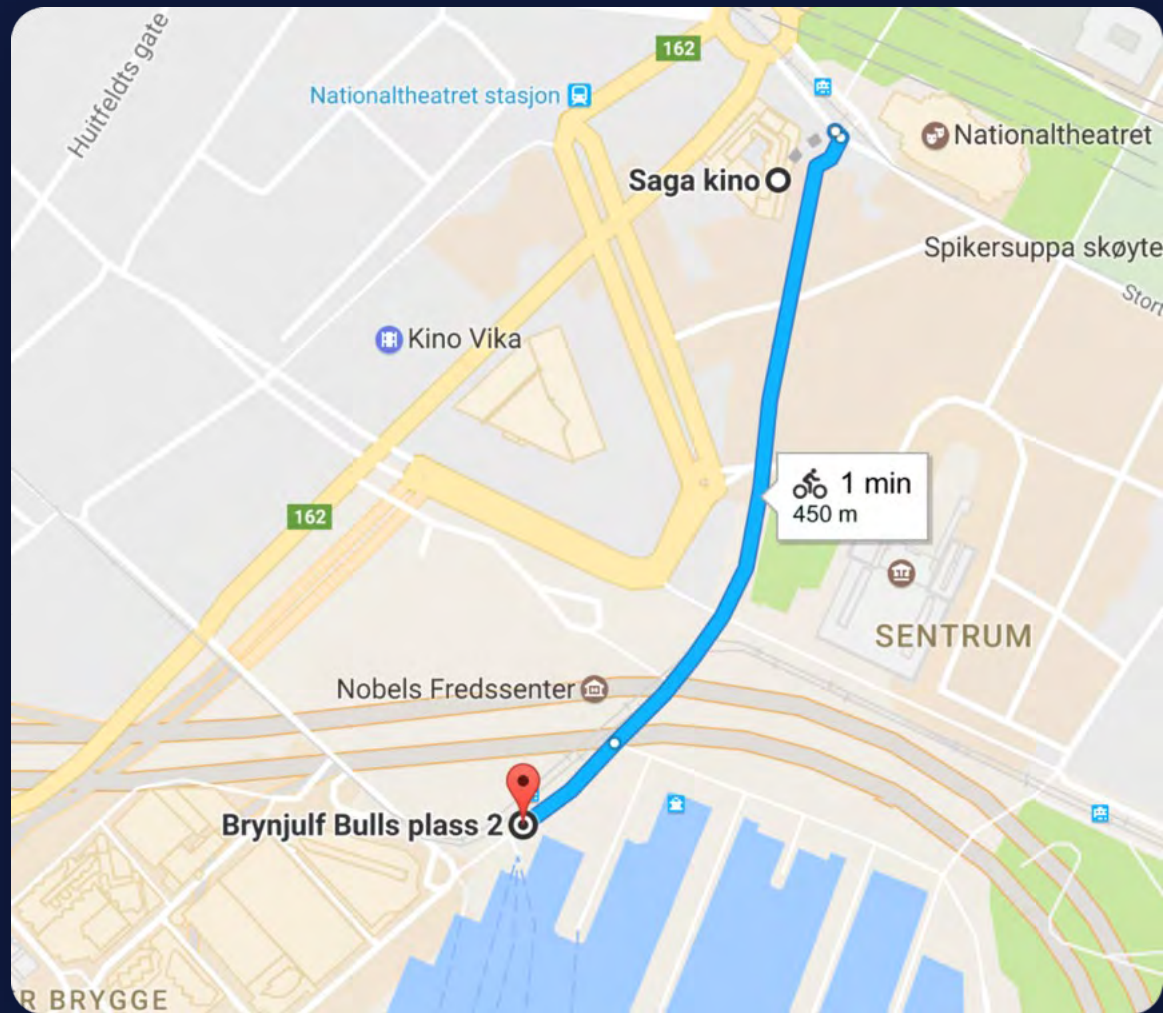
Feedback loops.

Hva lærer vi av
data?



2.45 km

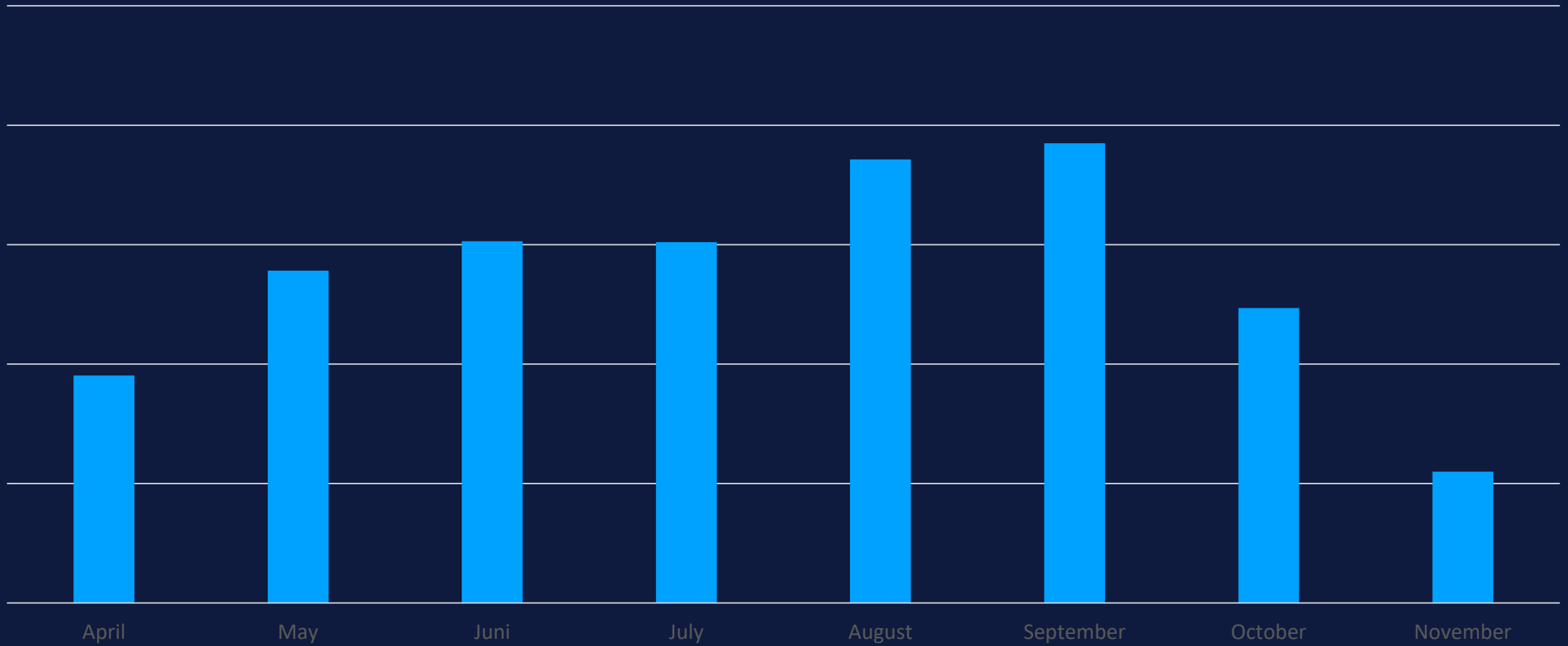
9 minutes and
4 seconds.

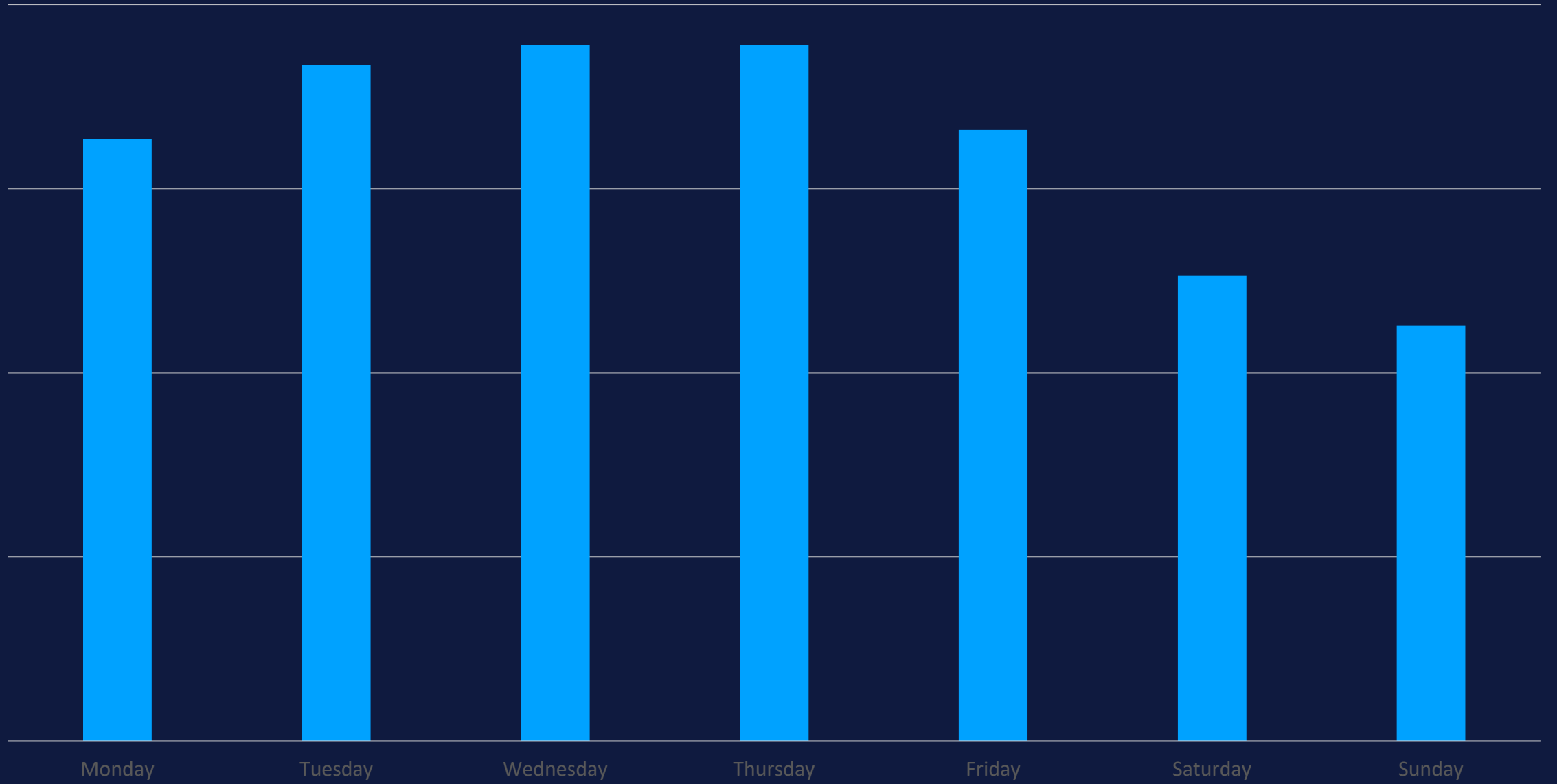


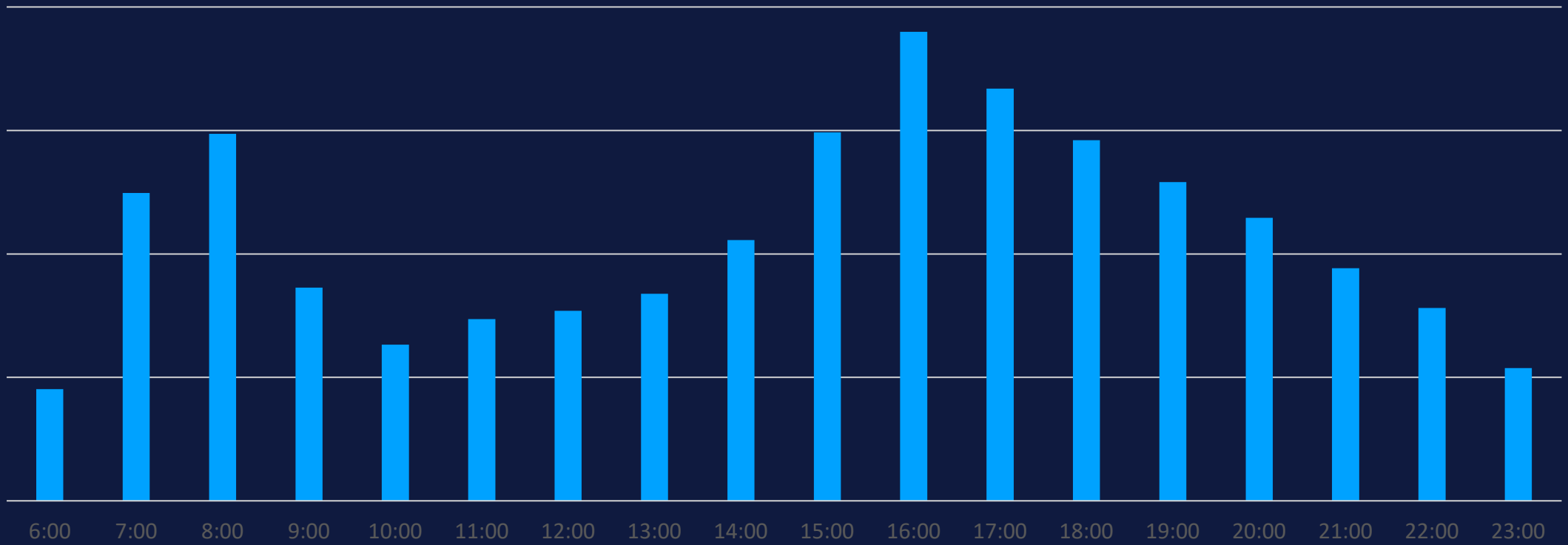
huh?



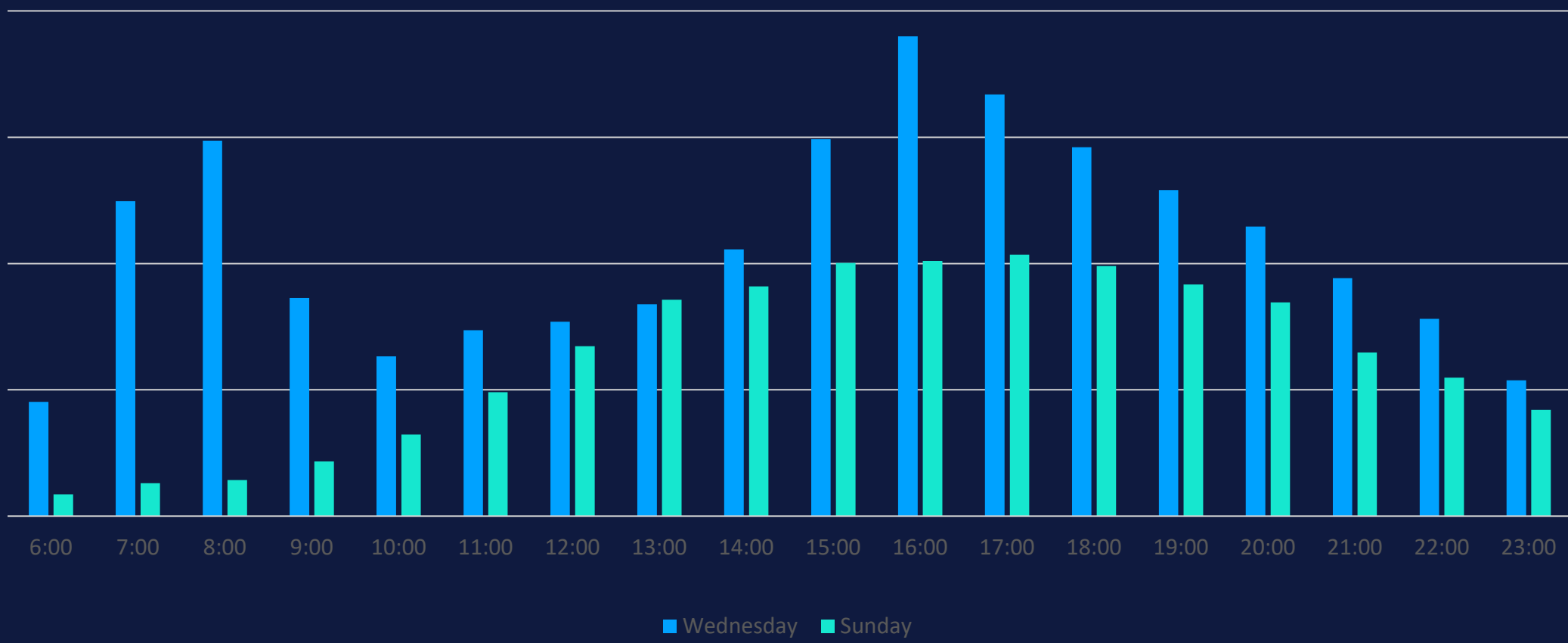
Ah!

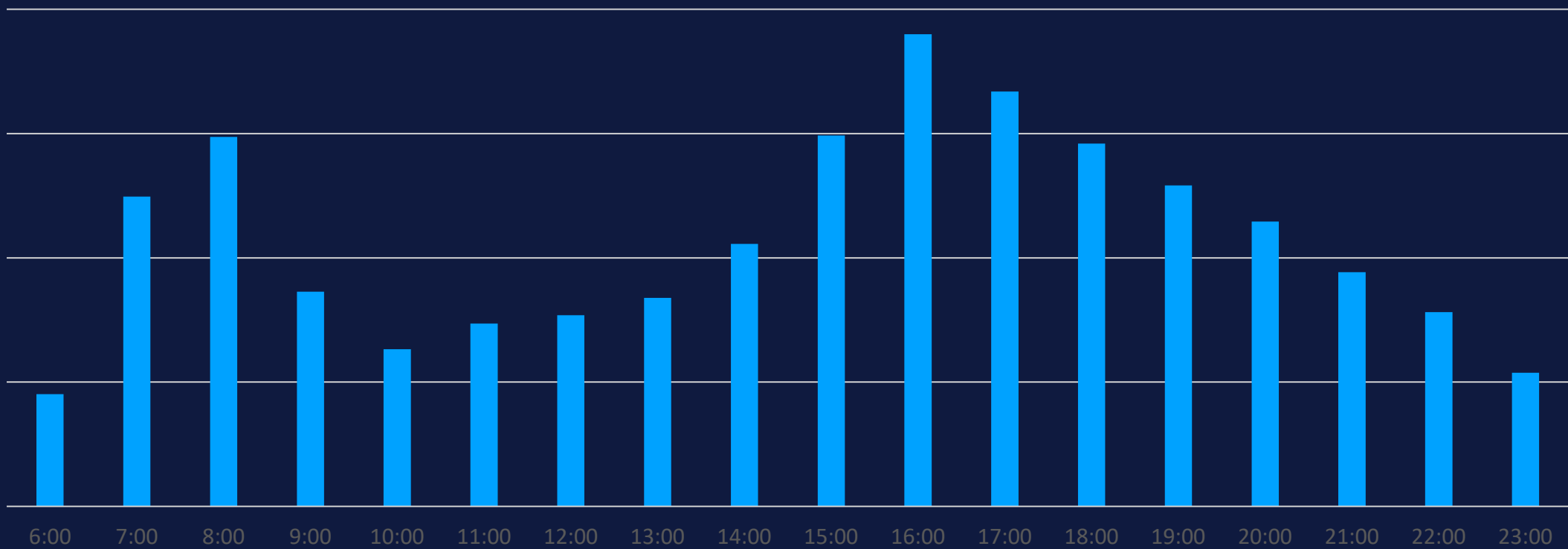


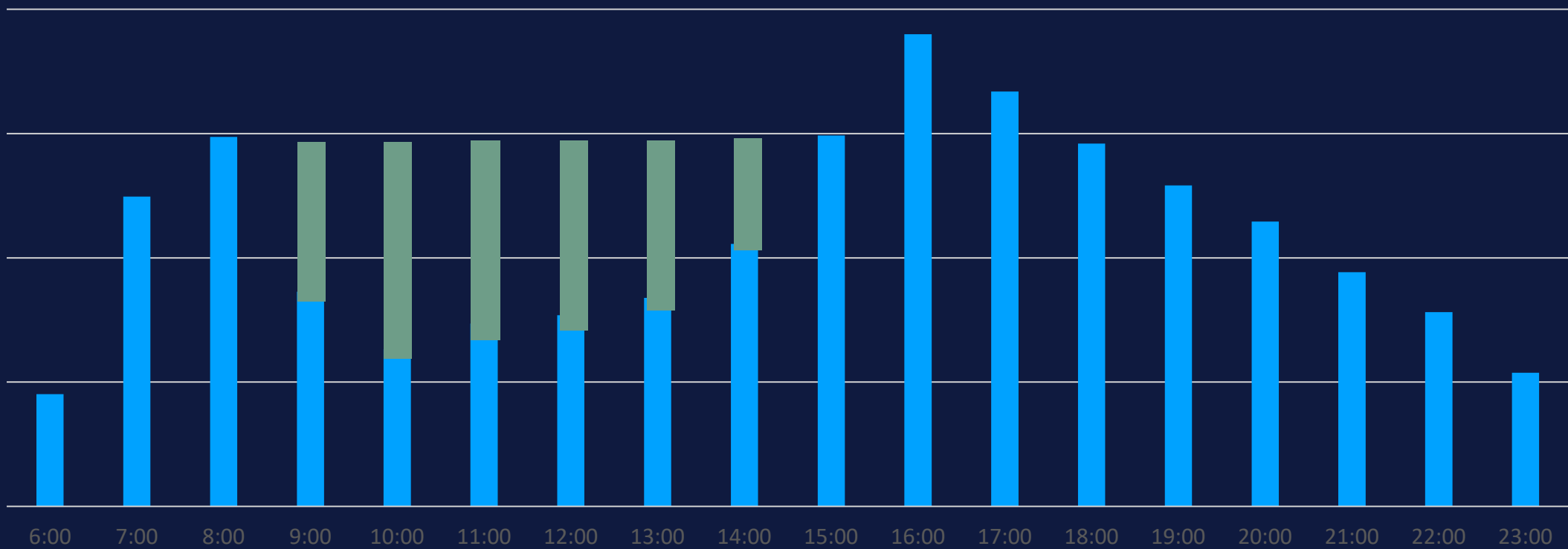




■ Wednesday







9 mill. turer

1/3

3 mill. turer

Hvordan kan vi få folk til å foretrekke sykkel som transportmiddel i arbeidstiden? 🤔

+ - 10

verdikoder for
enkeltturer



Hurra! Kodene under er klare til å deles ut:

VERDIKODE #1

BZYX03 (enkelttur) 🔧

SEND INVITASJON



+47 900 00 000



VERDIKODE #2

UYBX99 (sesongen 2017) 🔧

SEND INVITASJON



epost@mottaker.no

VERDIKODE #3

TRW43A (enkelttur) 🔧

SEND INVITASJON



epost@mottaker.no

VERDIKODE #4

NUY653 (enkelttur) 🔧

SEND INVITASJON



epost@mottaker.no

📄 Åpne PDF

✖ Sperr verdikode

📄 Åpne kvittering



Alt i same økosystem



Jakob kirke to Ruseløkkgården



Sana (2121)



Report

HIDE







Hvor er syklene
som er meldt
ødelagt?





Mobverksted APP 4:59 PM ☆

Dagens innsats av mobverksted:

Antall stativer besøkt i dag

52

Antall sykler fikset (rapportert ødelagt)

64

Antall sykler fikset (ikke rapportert ødelagt)

4

Antall kunder snakket med

0

Sykler markert som 'til verkstedet'

Adamstuen : 1 slot 1

Valkyrieplassen : Nr 1? Inn gir fryst

Jernbanetorget : 1 slot 8

Frognerstranda : Nr36inn

Rådhusgata : Nr 35,36 inn

Bankplassen : Nr 1,2





Data blir til nye
produkter





The bike

A 26" wheel bike-sharing specific bike designed for reduced operational costs. Built around a high-end aluminium frame compatible with multiple components for adaptability to different cities and different target costs.

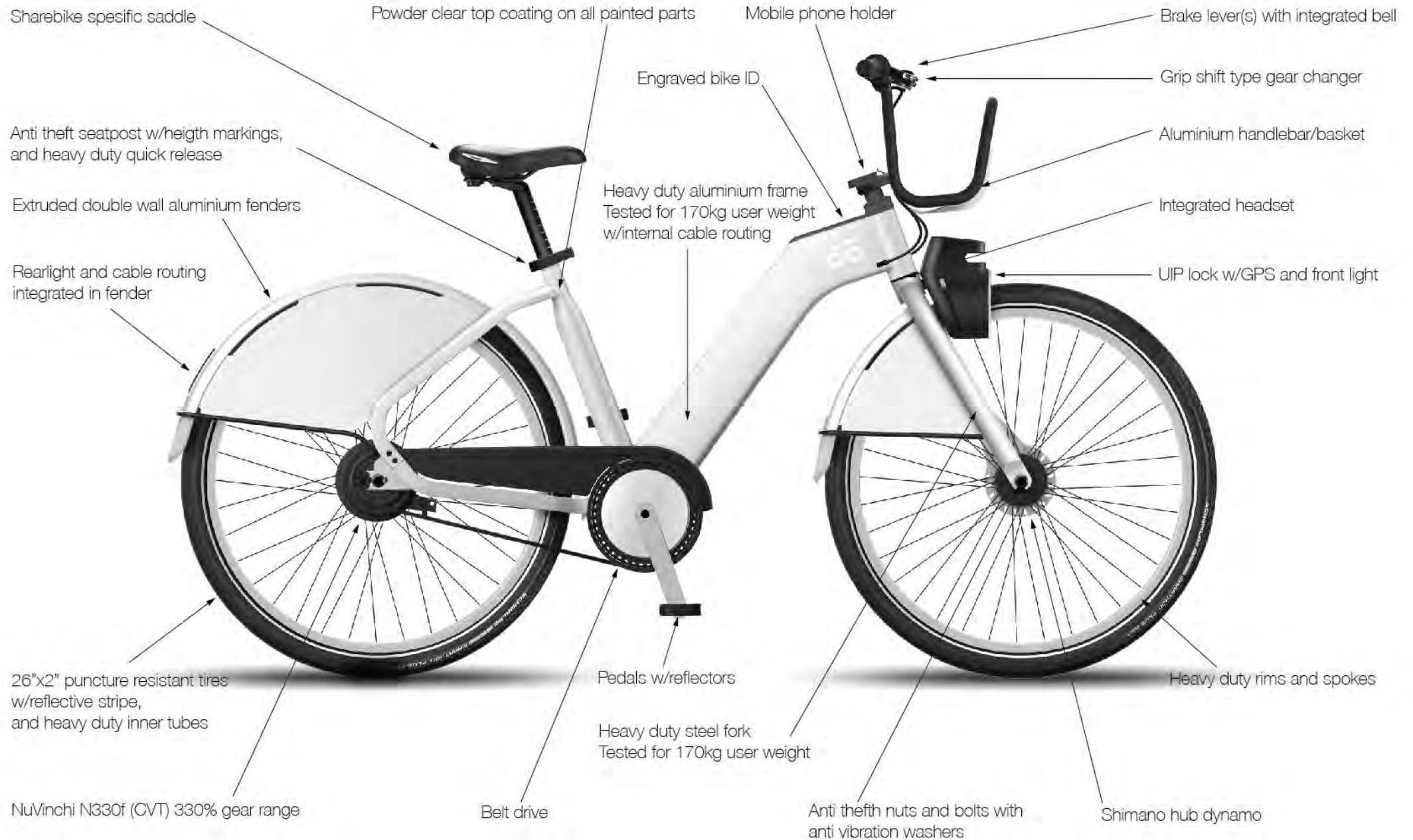
Feature highlights

- 26" wheels for great riding comfort
- Lightweight aluminium frame
- Belt drive and CVT (continuously variable transmission) for a great riding experience
- Internally routed cables
- Integrated basket with smart phone holder
- Optional, custom painted components

Essential specs

- ISO certified aluminium frame
- Weight: 40 lbs (depending on spec)









Design Goal

Flexibility for the user
Order in the city
Control for the operator







