

Everything simple for simply everyone

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SASA

**SOCIETÀ AUTOBUS SERVIZI D'AREA
STÄDTISCHER AUTOBUS SERVICE AG**



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Open Data & APIs

SASA has decided to give the community all the following data under the [CC-3.0-BY-SA](#) licence. Feel free to be innovative and creative and try it out!

- [Planned data \(Zipfile and Webservice\)](#)
- [Realtime positions \(JSON Webservice\)](#)
- [Realtime stationboard informations \(Webservice\)](#)
- [Latest service related news \(XML, Json Webservice\)](#)
- [Routing engine \(XML Webservice\)](#)

Planned data

The [zipfile with the planned data](#) is structured in a format called [VDV 452](#). The files themselves are created following the instructions given in [VDV 451](#). Even if there are many files which in 452 do not exist, they are empty and should not have any impact on the other files.

If you want to implement GTFS, then use [this opensource tool](#) to create some GTFS for your application.

Some developers might be interested in web services rather than in files and therefore we have decided to put up some webservice to provide the planned data, too. [On this site](#) you find some [documentation about the webservice](#) and learn how to use the data to build your application. [Examples can be found here](#).

Real-time positions

The real-time positions are available under the URL [realtime.opensasa.info](#).

This is only a short documentation - don't think that it is complete:

All the requests return [some geojson](#).

```
http://realtime.opensasa.info/positions?lines=4:1
```

This allows you to query the service for all vehicles on line number 4 and variant 1. "Linenummer" and "variantnumber" can be extracted from the [vdv-webservice](#) or the [vdv-zip-file \(REC_LID\)](#).

2011

24 USB Wi-Fi Signal Strength Battery 16:36

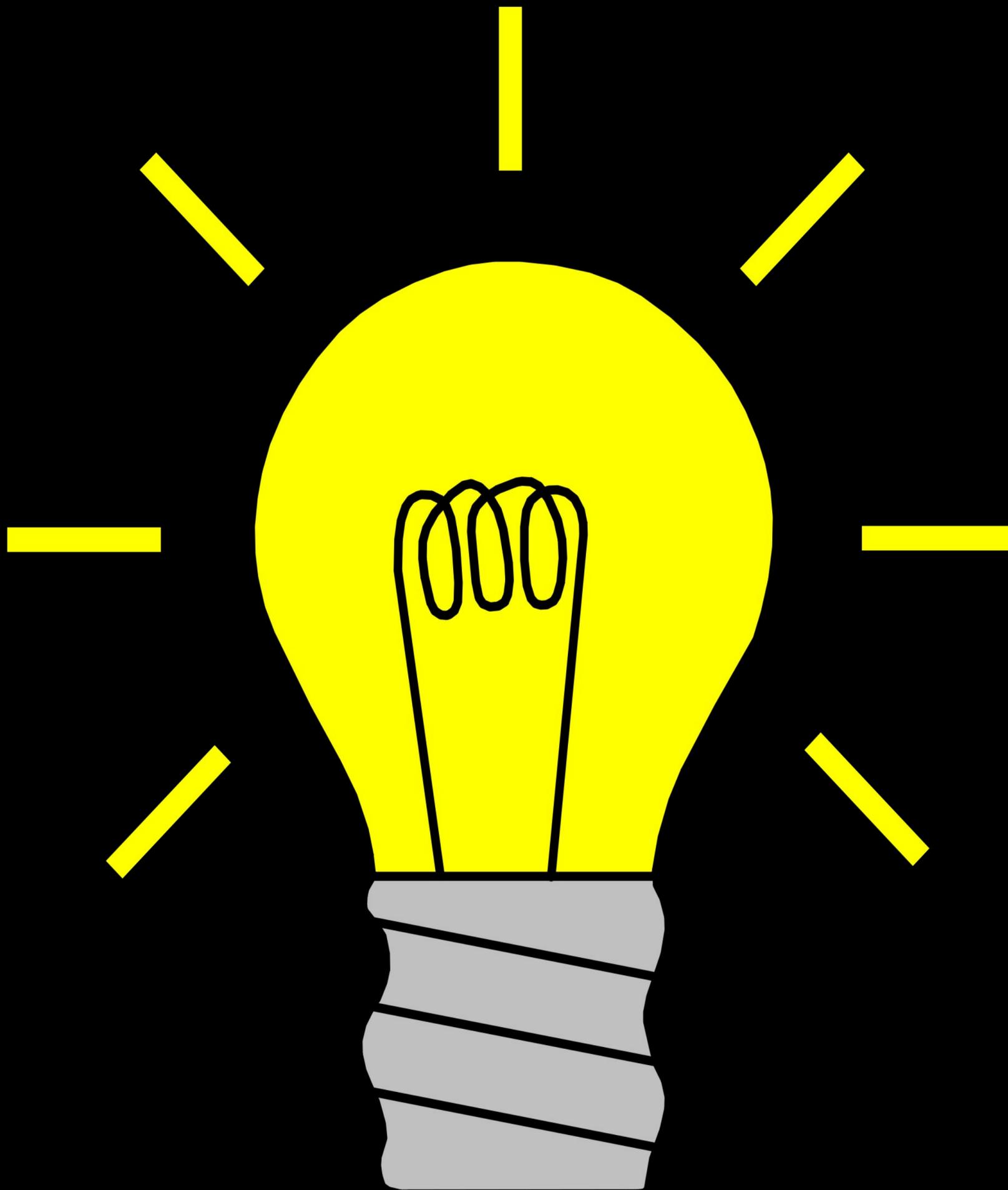
SASAbus

Select bus number:

- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6
- Line 7A
- Line 7B
- Line 8
- Line 9
- Line 10A
- Line 10B
- Line 11
- Line 12
- Line 13
- Line 14
- Line 16

2013 -?

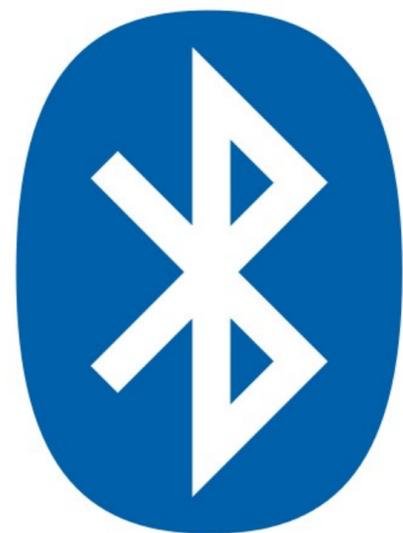






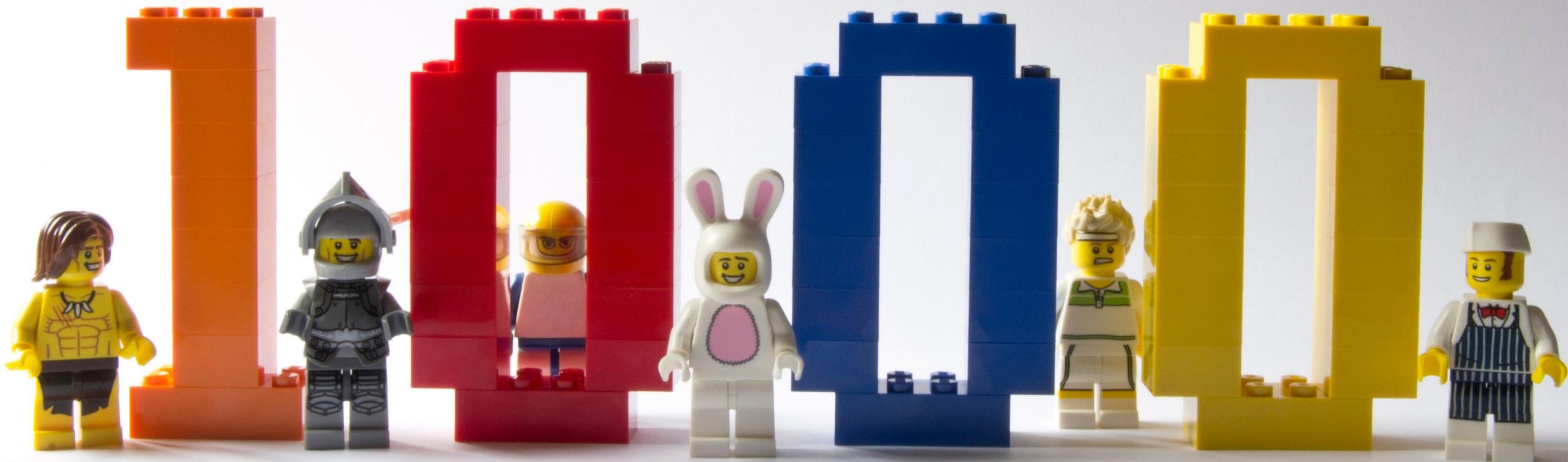
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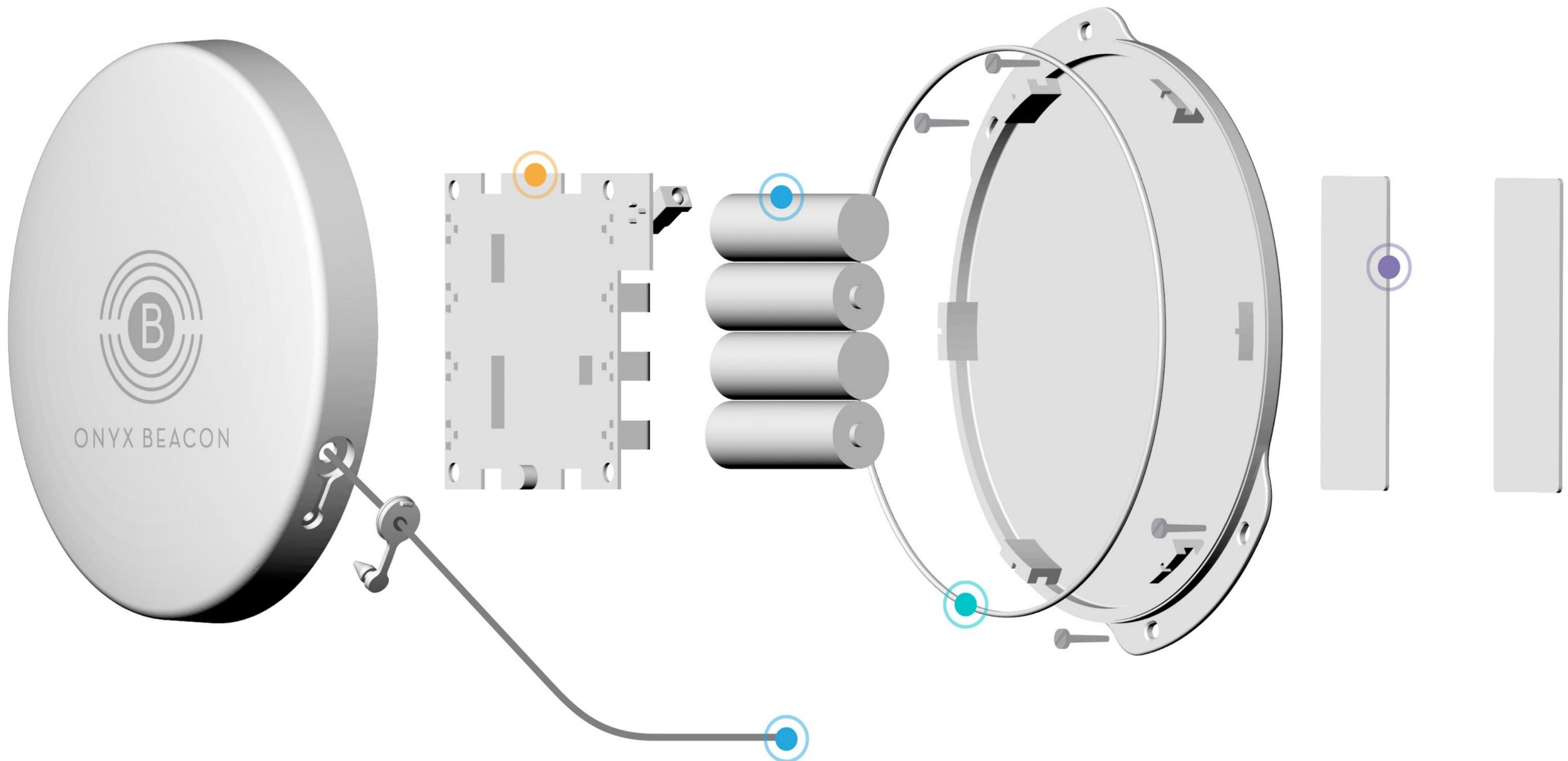
Bluetooth[®]

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realtime.opensasa.info

BusstopID

Realtime Informations

The screenshot shows a mobile application interface for bus stops. The title is "Bus stops" and the location is "Piazza Vittoria (Bolzano)". The date and time are "10.11.2015 10:53". There is a "Refresh" button. Below the title, there is a section for "Next departures" with a list of bus lines and their departure times. The list includes:

Time	Line	Direction
10:53	7B BZ	direction: Passeggiata dei Castani (Bolzano)
10:53	10B BZ	direction: Ospedale (Bolzano)
10:55	10A BZ	direction: Ospedale (Bolzano)
10:56	1 BZ	direction: Via Fago Scuole (Bolzano)
10:56	3 BZ	direction: Stazione Bolzano (Bolzano)
10:56	8 BZ	direction: Padiglione W (Bolzano)
10:58	110 BZ	direction: Stazione Bolzano (Bolzano)
10:58	111 BZ	direction: Via Nobel Capolinea (Laives)
10:59	3 BZ	direction: Casanova (Bolzano)
11:03	10B BZ	direction: Ospedale (Bolzano)
11:04	1 BZ	direction: Piazza Dogana (Bolzano)
11:04	8 BZ	direction: Via Brennero (Comedo)



- Excellent
- Very good
- Good
- Average
- Poor



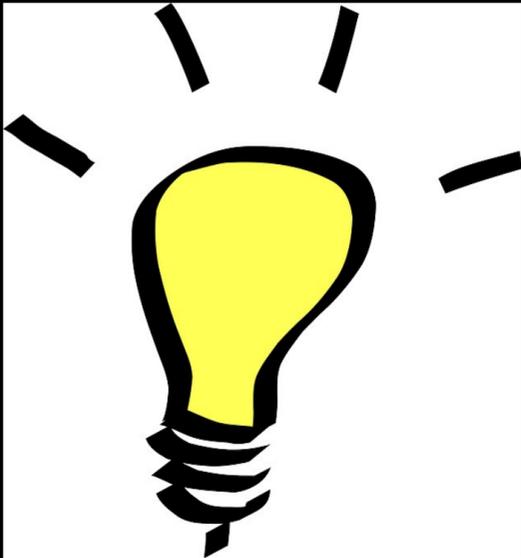
NEXT STEPS



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Use it!



The problem is never how to get new, innovative thoughts into your mind, but how to get old ones out. Every mind is a building filled with archaic furniture. Clean out a corner of your mind and creativity will instantly fill it.

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