

# Brussels Transports for Android



# Introduction

- Unofficial, personal project.
- Promoting as a **developer, Android user** and **Brussels citizen**.
- Uses the same data source as the official app.
- Free.
- **6000+** active users.

Christophe Beyls - @BladeCoder



# Goals

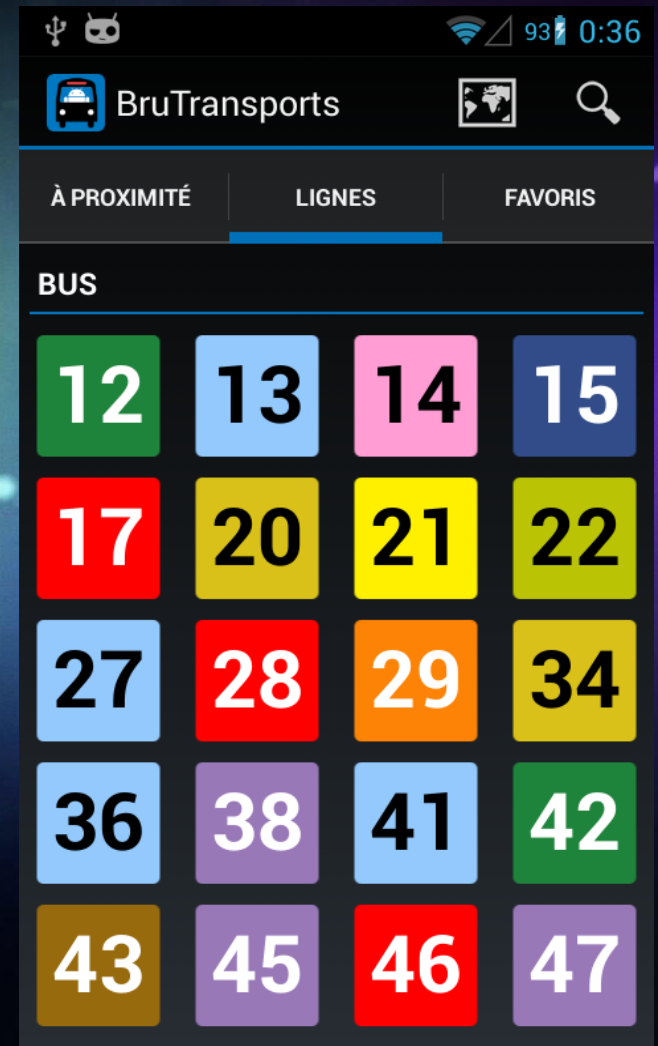
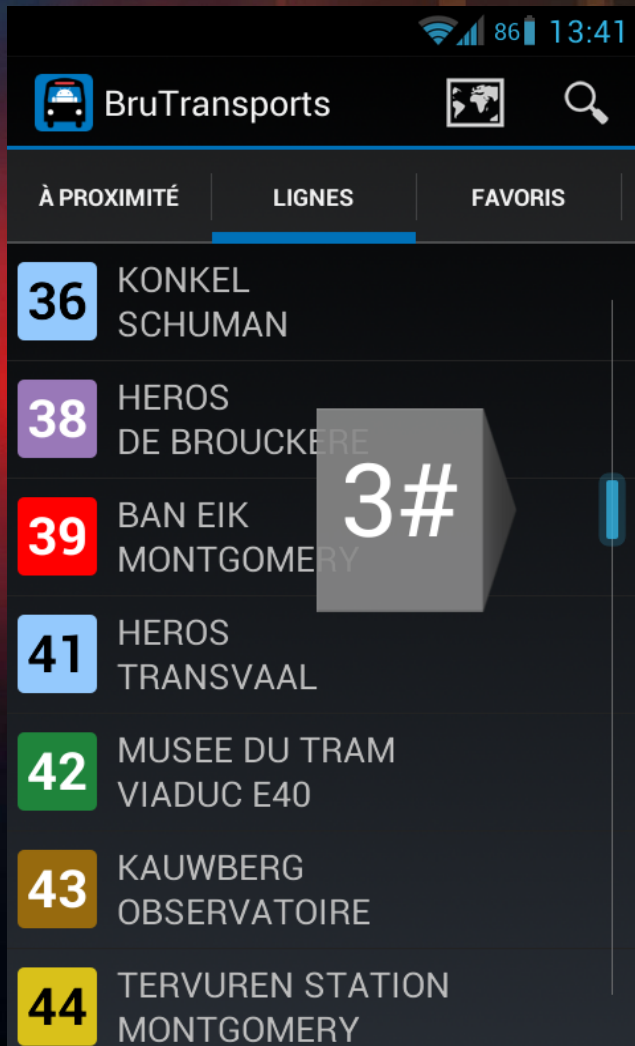
- Keep all the good features
- Performance & efficiency
- Take advantage of all Android features
- User experience
- New features  
(new uses of existing data)



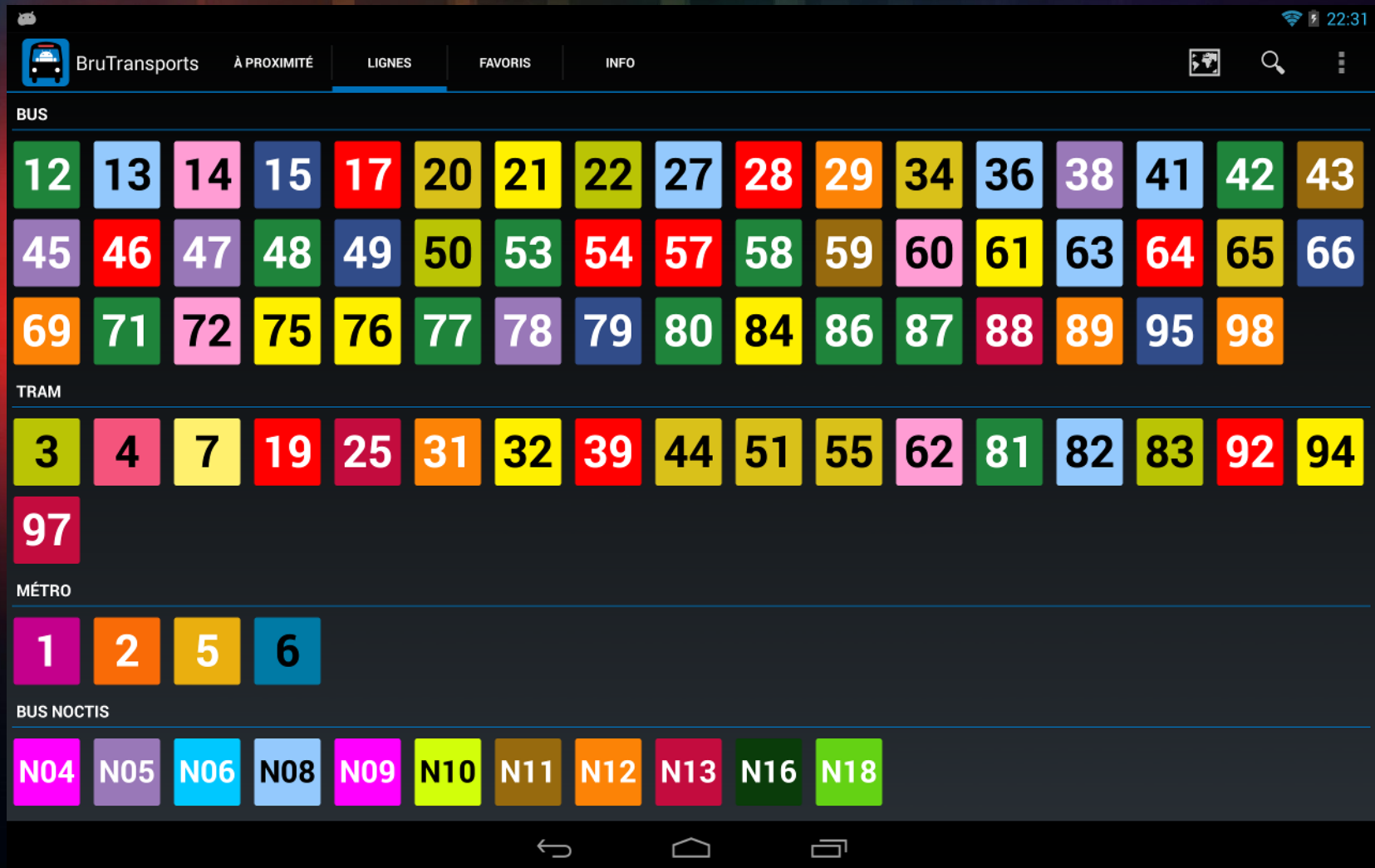
# User Experience - Startup



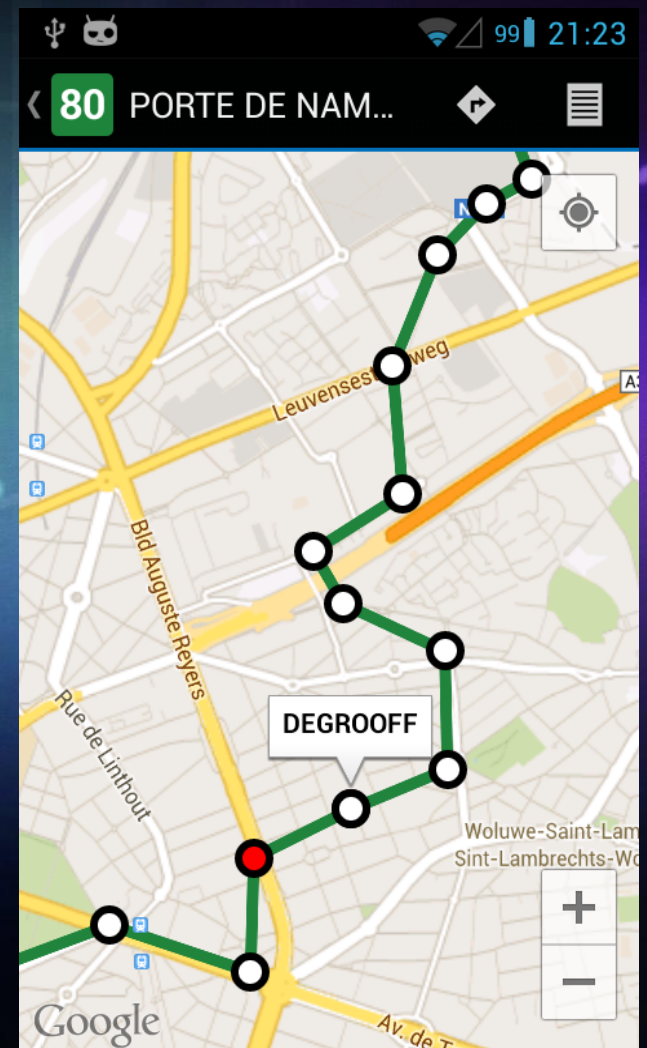
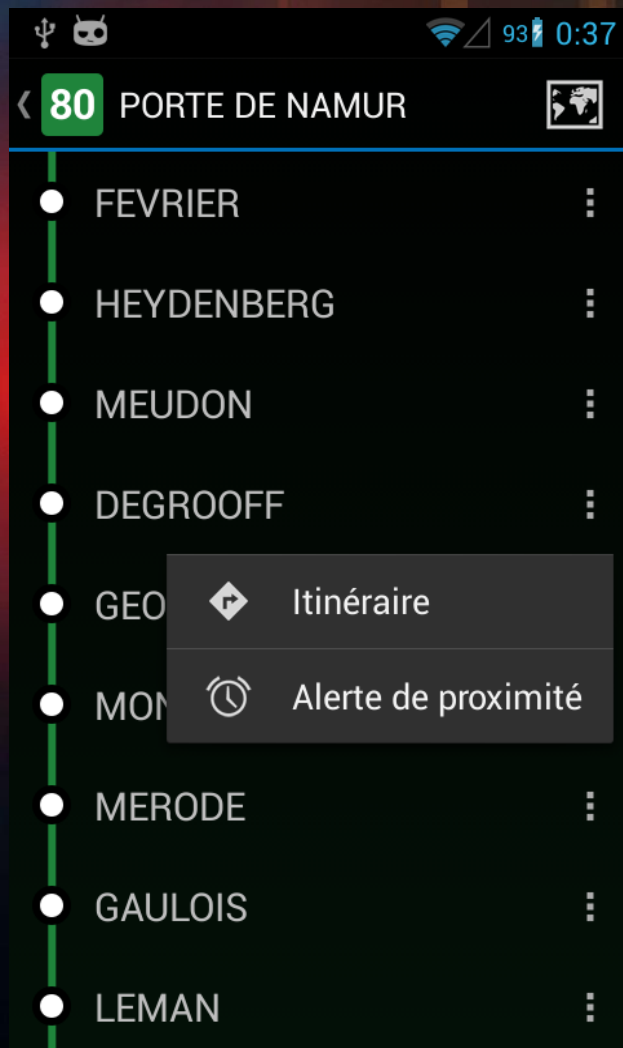
# User Experience - Line selection



# User Experience - Line selection



# User Experience - Line Itinerary





# User Experience - Waiting times

57 21:04

4 GARE DU NORD @ DE BROUCKERE

	Temps réel	Horaires
		min.
4 GARE DU NORD		3
4 GARE DU NORD		22
Autres lignes desservant cet arrêt		
32 DA VINCI		7
3 ESPLANADE TEMPS THÉORIQUE		12
31 GARE DU NORD		19
32 DA VINCI		27
3 ESPLANADE		32

84 13:46

4 GARE DU NORD @ HORTA

	Temps réel	Horaires
	13h 09 19 29 39 49 59	
	14h 09 19 29 39 49 59	
	15h 09 19 29 39 49 59	
	16h 09 19 29 39 49 59	
	17h 09 19 29 39 49 59	
	18h 09 19 29 39 49 59	
	19h 09 19 29 39 49 57	
	20h 08 19 36 53 56	
13h: Un véhicule toutes les 10 minutes.		
	22h 16 36 57	
	23h 17 37 57	

94 23:58

Arrêts récents

	Horaires
32 DROGENBOS CHATEAU DE BROUCKERE	min.
31 MARIUS RENARD DE BROUCKERE	12
3 CHURCHILL DE BROUCKERE	min.
89 WESTLAND SHOPPING RIBAUCCOURT	3
	6
7 VANDERKINDERE PRINCESSE ELISABETH	17
82 BERCHEM STATION FOREST CENTRE	22



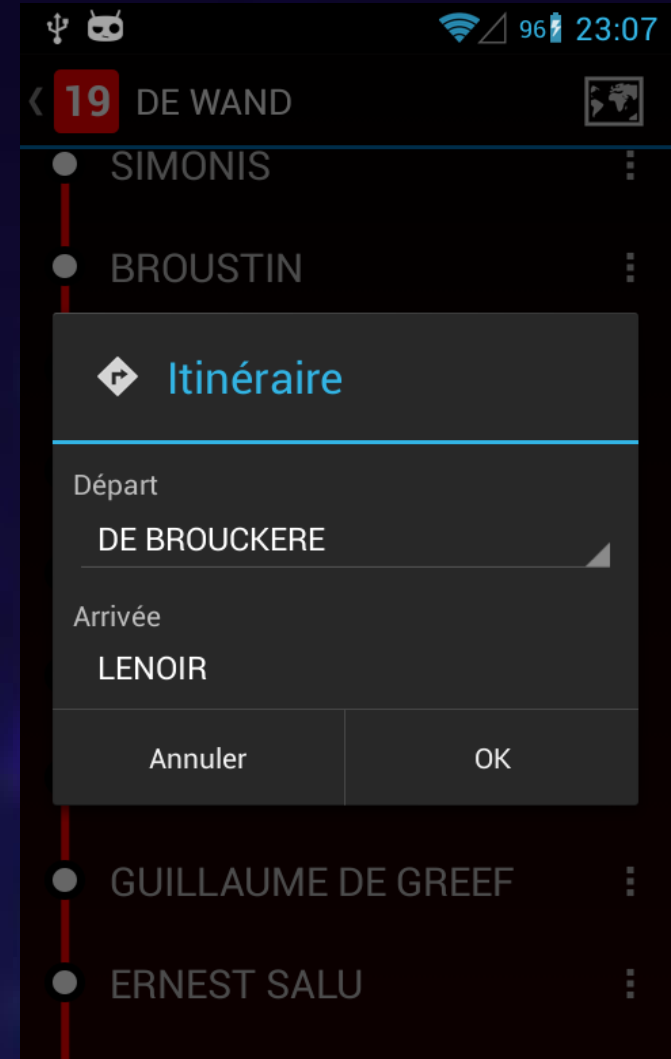
# User Experience - Waiting times

The screenshot shows a mobile application interface for a bus stop named 'HOF TEN BERG' at 'ANSPACH-DE BROUCKERE'. The interface is split into two main sections: 'Temps réel' (Real-time) and 'Horaires' (Timetables). The 'Temps réel' section lists the next two arrivals of bus line 29, both at 19 minutes. Below this, it lists other bus lines serving the stop with their respective waiting times: 71 (DELTA) at 2 min, 38 (HEROS) at 6 min, 63 (CIM. BRUXELLES) at 8 min, 71 (DELTA) at 12 min, 66 (PEAGE) at 22 min, 38 (HEROS) at 26 min, 63 (CIM. BRUXELLES) at 28 min, and 66 (PEAGE) at 41 min. The 'Horaires' section shows a list of scheduled times from 8h to 0h, with the 14h arrival highlighted in grey. The top of the screen shows the app title, location, and navigation icons. The bottom shows standard Android navigation icons.

Temps réel		Horaires	
	min.	8h	03 35
29	HOF TEN BERG	19	9h 01 25 45
29	HOF TEN BERG	39	10h 05 25 45
Autres lignes desservant cet arrêt			11h 05 25 45
	min.		12h 05 25 45
71	DELTA	2	13h 05 25 45
38	HEROS	6	14h 05 24 44
63	CIM. BRUXELLES	8	15h 04 24 44
71	DELTA	12	16h 04 24 44
66	PEAGE	22	17h 04 24 44
38	HEROS	26	18h 04 23 42
63	CIM. BRUXELLES	28	19h 03 23 44
66	PEAGE	41	20h 05 25 45
			21h 06 26 46
			22h 06 26 46
			23h 07 27 47
			0h 07 27 47

# Features - Directions

- Computes directions between 2 stops.
- Launches Google Maps in public transports mode.

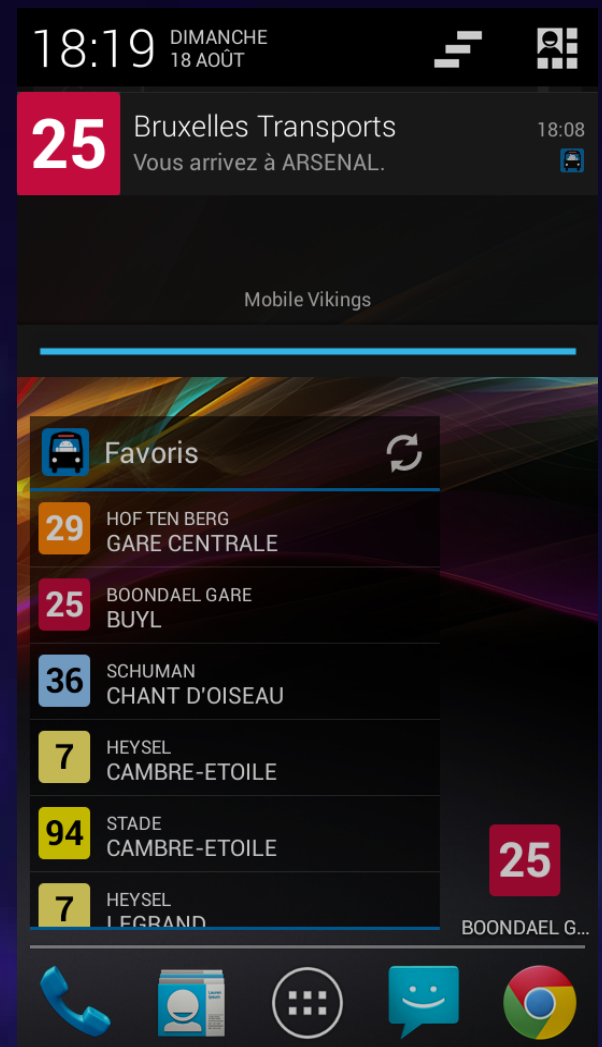
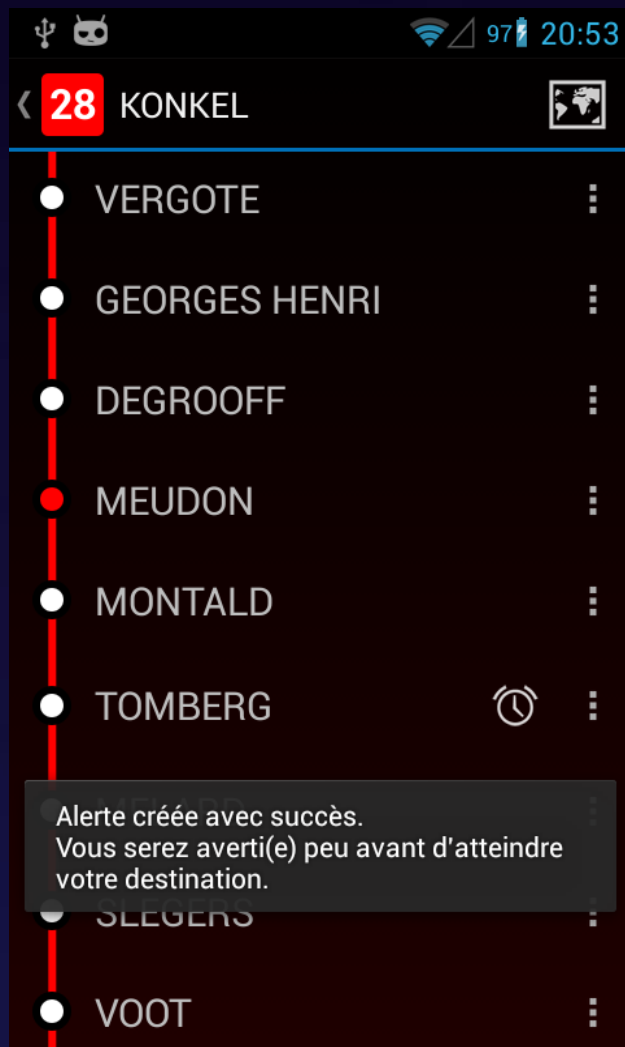


# Features - DashClock extension



- Extensible lock screen widget.
- Monitor real-time info without even unlocking your phone.

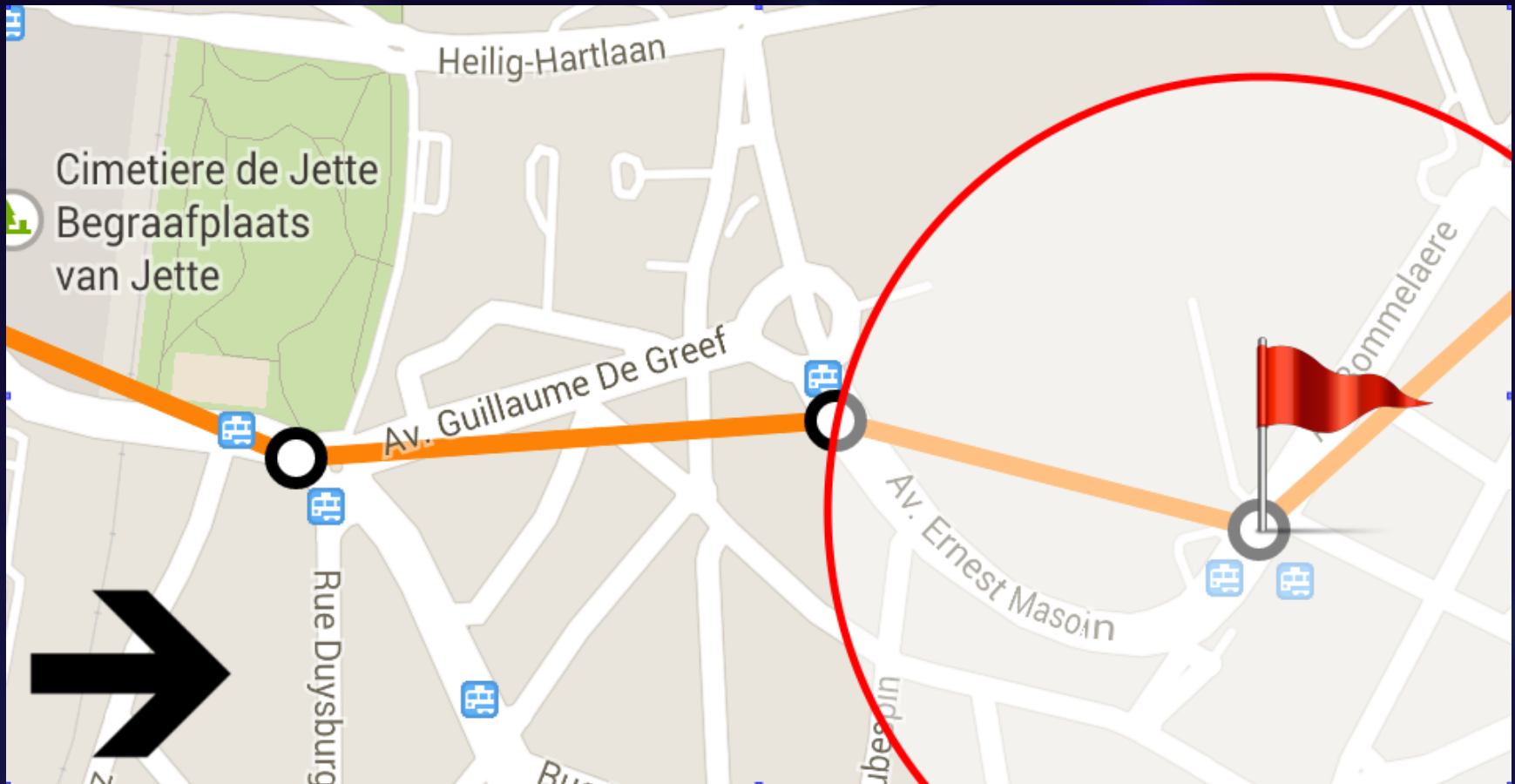
# Features - Proximity alert





# Features - Proximity alert

Uses the new Google Geofencing API.



# Features - Proximity alert

Detected activity



Location updates



**~ 8 sec.**



**~ 1 min.**

# Quick Tour Video

