



## AI-powered data analytics platform for better use of road space

**Greenroads was set up to reduce the environmental impact of transportation by leveraging AI and big data.**

**Our vision is smart, efficient, safe and sustainable mobility enhancing the quality of life of all citizens.**

Cities want to understand mobility patterns to use existing road space wisely and invest efficiently. Good urban planning requires data. A good understanding of the current situation and monitoring the effects of new urban interventions with a fact-based approach help plan viable public spaces, develop walkability, reduce motor traffic pollution, reduce congestion and promote active mobility modes.

### **Our solution:**

Create your smart city data using existing security cameras available on roads and open spaces . Our AI solution will deliver information on the behaviour of road users via an intuitive dashboard. The resulting GDPR compliant data is anonymous, and can be applied to road junction analysis and accident prevention, particularly useful for active road users and embellishment projects.

Data driven decision making made easy:

- Focus on all sorts of mobility particularly active road users
- Decide with confidence, with accuracy on mobility counts
- Manage demand for road space
- Plan and manage safety of roads and open spaces before, during, and after road works

Wide range of features and data to work with:

- Data visualisation, both real time and historic
- Counts of different mobility types: walking, bicycles, passenger vehicles, commercial vehicles (Light & Heavy), buses, etc.
- Speed of vehicles
- Trajectory mapping for various mobility types
- Turning ratios for road junctions
- Exportable reports (chart & heatmaps) for road studies or impact assessments
- APIs for easy integration with third party software

Let's use this understanding of roads and public spaces to help create the smart cities of the future which better serve the needs of citizens. - [info@greenroads.ai](mailto:info@greenroads.ai)

### Sample Screenshots of visuals from Green Flow

- Overview showing turning ratios

Mon, 27. Dec 2021. - Sun, 02. Jan



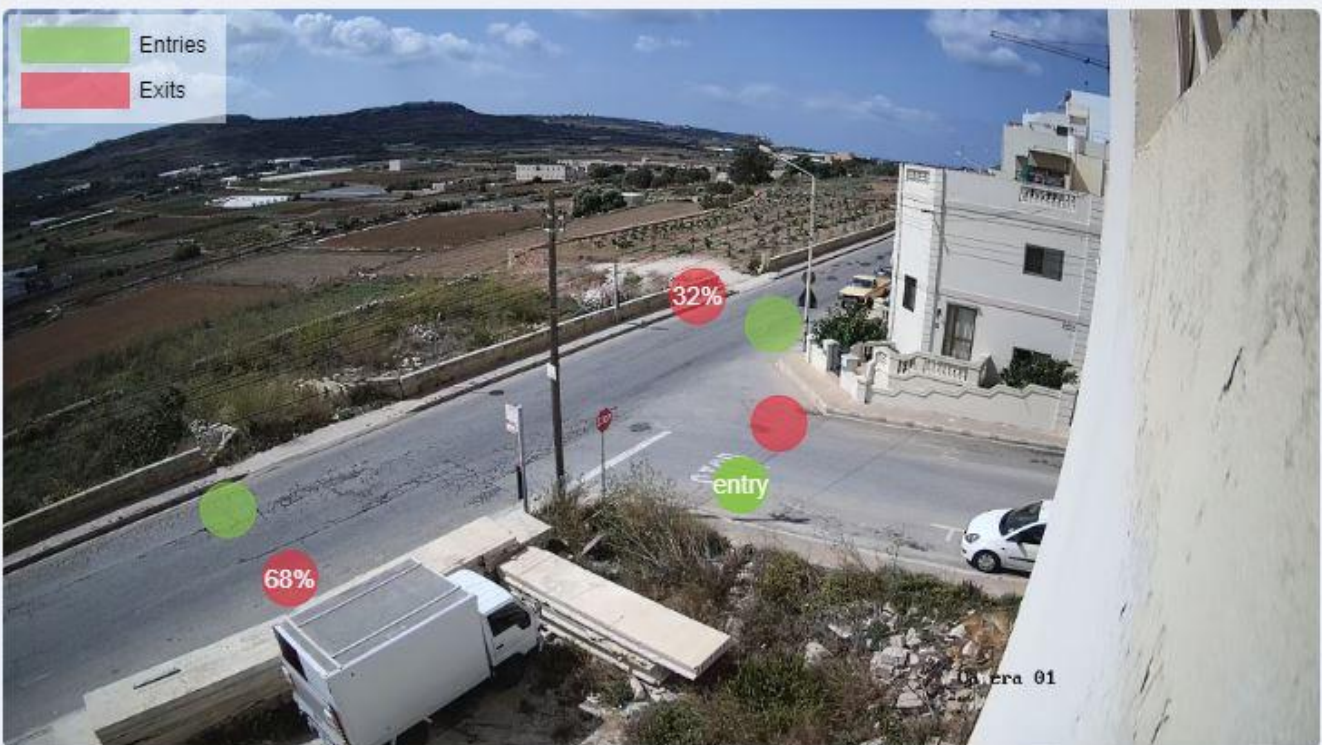
# greenroads-streams1-stream1

Trajectories

Stats

Overview

mgarr-iz-zebbiegh



Mon, 27. Dec 2021. - Sun, 02. Jan

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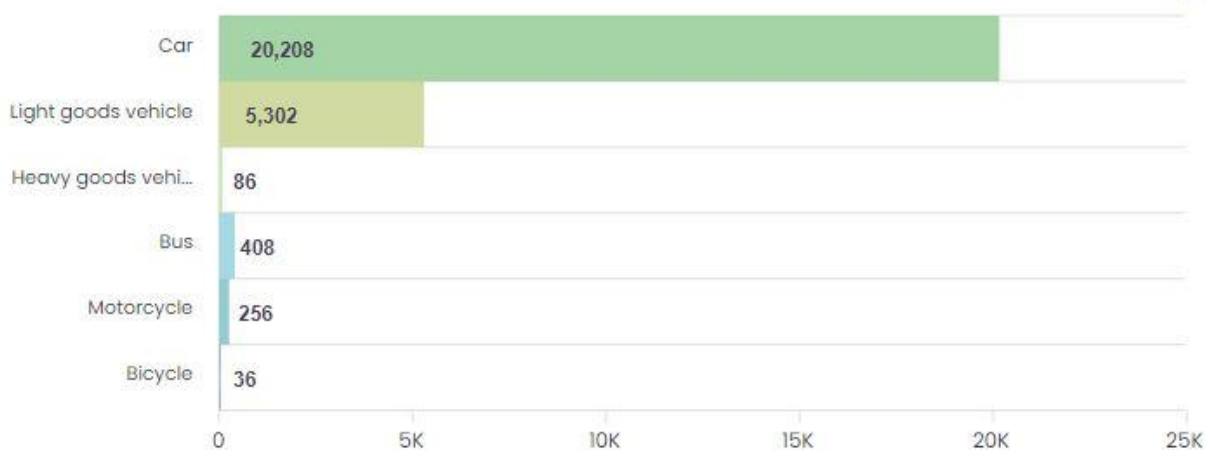
Total Vehicles

26,296

Average Speed

42 km/h

### Per vehicle type



### Traffic flow

Carriageway	Entries	Exits	Percent	Avg Speed
Mġarr - Triq iż-Żebbiegh	25,737	25,639	98%	42 km/h
Mġarr - Melissa	559	657	2%	16 km/h

Mon, 27. Dec 2021. - Sun, 02. Jan



### Peak hour

12:00 - 13:00

Total vehicles: 405

Avg speed: 42 km/h

### Heatmap

show full report

● no data ● 1 - 80 ● 81 - 160 ● 161 - 240 ● 241 - 320 ● 321 - 400 ● 401 +

Sun	11	8	1	1	5	33	47	89	156	209	279	363	405	331	345	320	370	384	165	135	111	64	48	22
Sat	92	77	42	14	7	10	44	55	78	158	215	316	331	243	269	318	285	262	140	125	66	61	33	31
Fri	37	13	12	4	16	49	101	156	194	275	327	361	342	285	245	239	198	257	201	210	194	81	48	53
Thu	24	7	4	6	27	33	88	184	246	314	324	345	231	251	308	246	309	290	225	193	101	65	76	69
Wed	29	13	2	6	3	41	125	193	215	226	318	330	312	287	270	264	336	239	202	145	108	68	47	59
Tue	27	11	8	2	12	44	125	214	161	261	326	268	274	289	284	262	365	283	223	196	136	64	73	58
Mon	16	8	6	3	16	20	77	160	198	251	235	333	292	188	230	265	338	303	179	160	84	35	31	26
	00h	01h	02h	03h	04h	05h	06h	07h	08h	09h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h

### Screenshots of visuals from Green Flow



- Stats








### Screenshots of visuals from Green Flow


- Trajectories


Mon, 03. Jan – Sun, 09. Jan  


## greenroads-streams1-stream1


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 Show entry points


 Show exit points


 Cars (18103)


 Light goods vehicles (5686)

 Heavy goods vehicles (218)

 Buses (476)

 Motorcycles (200)

 Bicycles (31)

 Pedestrians (430)

select all / none

## Screenshots of visuals from Green Flow

- Generate Report Page

**Generate a report**

Camera  
greenroads-streams1-stream1 (Mgarr iz-Zebbiegh)

Report type  
- select report type -  
- select report type -  
Lane flow, by entry  
Lane flow, by exit  
Trajectories  
Lanes summary report  
Lanes summary with vehicle type breakdown  
Vehicle type summary  
Vehicle type hourly breakdown  
Hourly summary  
Daily summary  
Day of week grid  
Include all

Vehicle types  
Include all

Generate report

## Screenshots of visuals from Green Flow

- Report- Day of week grid



**Day of week grid report** ← Back to reports generator Export to CSV

mgarr-iz-zebbiegh Mon, 27. Dec 2021. - Sun, 02. Jan 📅

Carriageways:  Lanes:  Vehicle types:

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00 - 01:00	16	27	29	24	15	10	12
01:00 - 02:00	8	11	13	7	5	4	5
02:00 - 03:00	6	8	2	4	3	2	3
03:00 - 04:00	3	2	6	6	4	3	4
04:00 - 05:00	16	12	3	27	18	12	15
05:00 - 06:00	20	44	41	33	49	10	33
06:00 - 07:00	77	125	125	88	101	44	47
07:00 - 08:00	160	214	193	184	156	55	89
08:00 - 09:00	198	161	215	246	194	78	156
09:00 - 10:00	251	261	226	314	275	158	209
10:00 - 11:00	235	326	318	324	327	215	279
11:00 - 12:00	333	268	330	345	361	316	363
12:00 - 13:00	292	274	312	231	342	331	405

Cars  
 Light goods vehicles  
 Heavy goods vehicles  
 Buses  
 Motorcycles  
 Bicycles

## Screenshots of visuals from Green Flow



- Report- Day of week grid

**Vehicle type hourly breakdown report** 
[← Back to reports generator](#)
Export to CSV

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**mgarr-iz-zebbiegh** Mon, 27. Dec 2021. - Sun, 02. Jan

Carriageways

Include all ▼

Lanes

Include all ▼

Vehicle types

Cars ✕

Light goods vehicles ✕

Heavy goods vehicles ✕

Buses ✕

Motorcycles ✕

Bicycles ✕

✕

▼

Date	Time	Total	Car	Light goods vehicle	Heavy goods vehicle	Bus	Motorcycle	Bicycle
27/12/2021	00:00 - 01:00	16	16	0	0	0	0	0
27/12/2021	01:00 - 02:00	8	8	0	0	0	0	0
27/12/2021	02:00 - 03:00	6	4	2	0	0	0	0
27/12/2021	03:00 - 04:00	3	1	2	0	0	0	0
27/12/2021	04:00 - 05:00	16	11	5	0	0	0	0
27/12/2021	05:00 - 06:00	20	15	3	0	1	1	0
27/12/2021	06:00 - 07:00	77	52	23	0	2	0	0

Download sample [Vehicle type hourly breakdown report](#) from Mon 27- Sun 2nd