

On Duty. Now!

Monitoring system of the level of response designed for the volunteers of the firefighting squad.

Presenter

Paolo Romani

Chief of Novaggio Firefighters, Cat B

Ticino, Switzerland

35 voluntary firefighters

Alarm systems carried out by Pager and SMS



Vision

- Evaluate availability
- Evaluate response

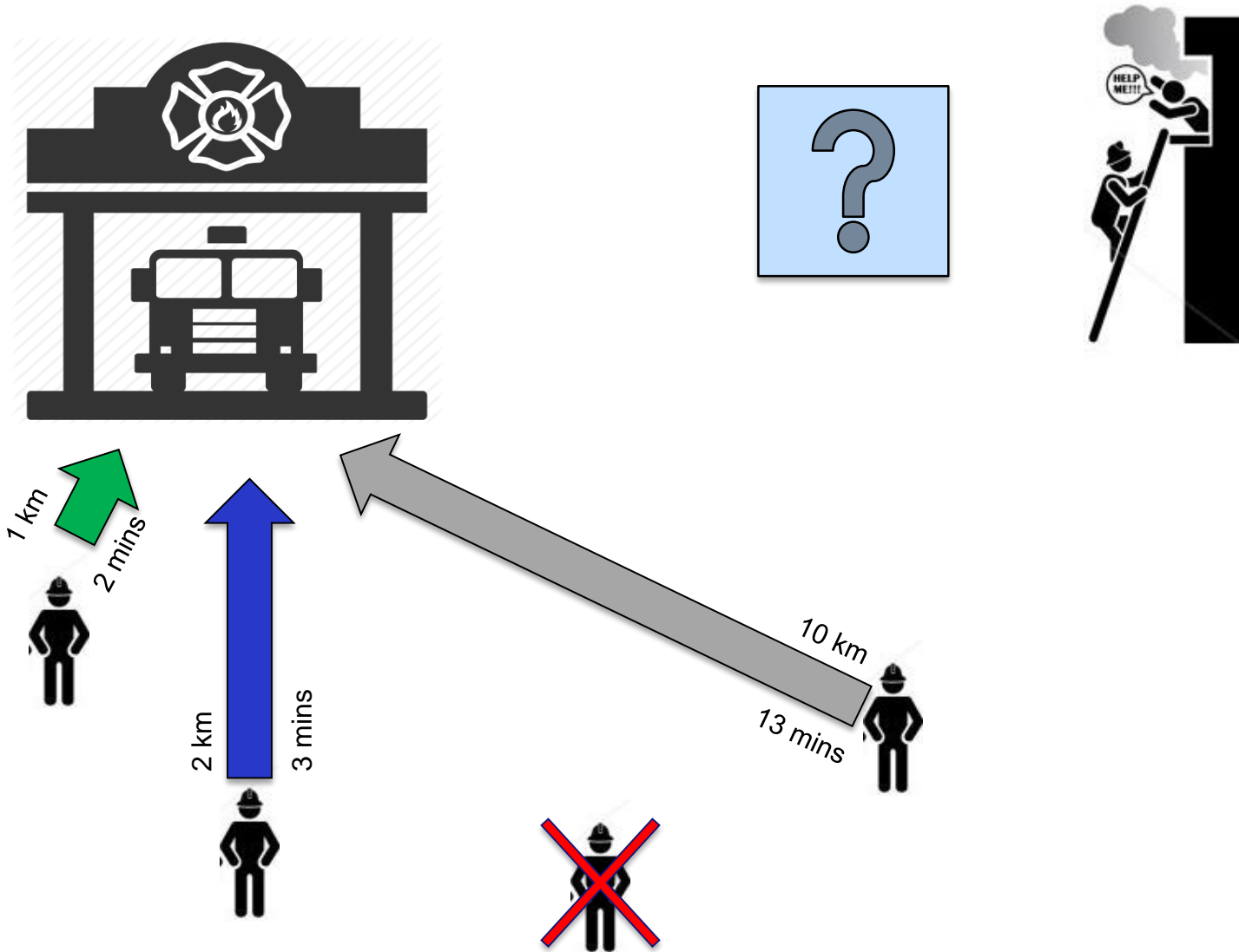
Mission

- Constant monitoring of data
- Evaluate the need of an external support
- Grant all firefighters privacy

Strategy

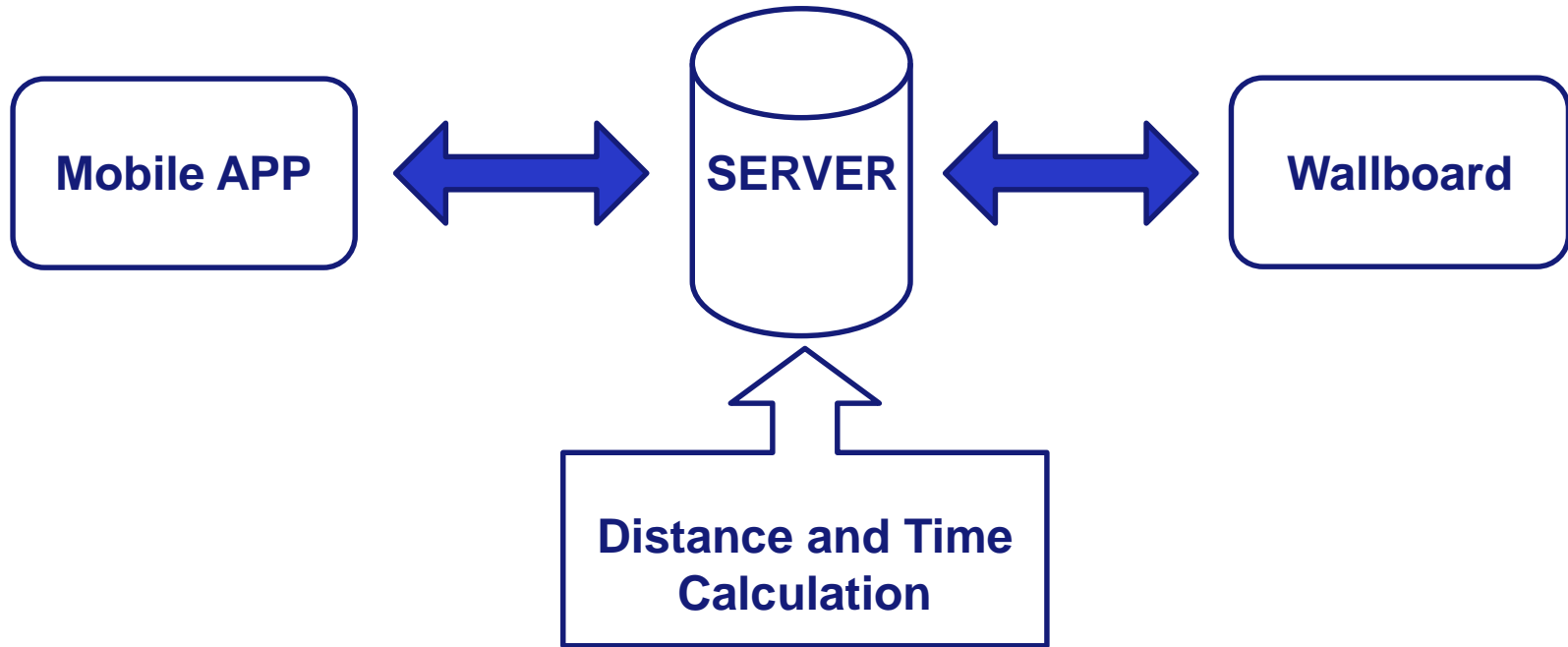
- User friendly method
- Information on firefighters travel time and distance to fire station
- Small investment using available technology

Situation



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Flow of information



Requirements

Firefighter

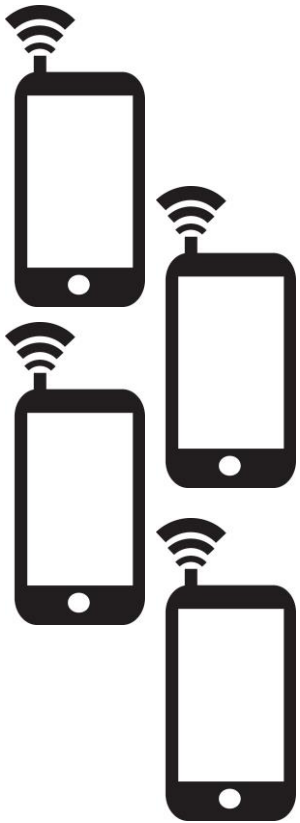
- Smart Phone
- Internet Connection

Wallboard

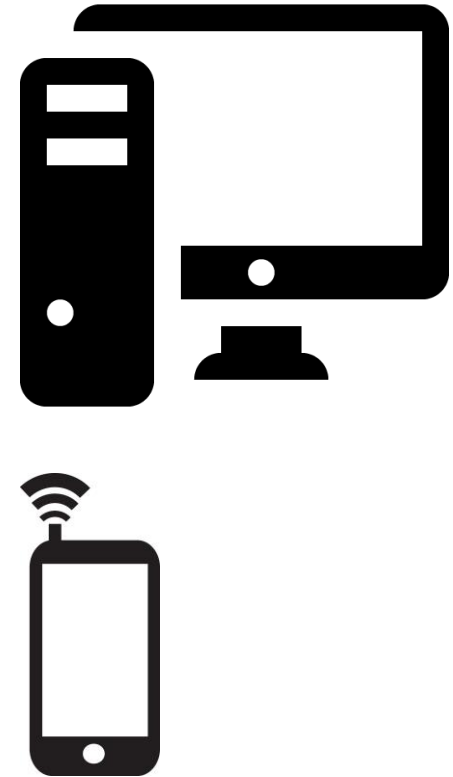
- Computer or Smart Phone
- Internet Connection

Requirements

Firefighters



Wallboard



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Distance and timing calculation

- From firefighters position to station
- Quickest route calculated by car

Server reply

- Distance
- Duration

APP automatically updates

- Every 30 seconds while in use
- Every 15 minutes while on stand by



SUPSI

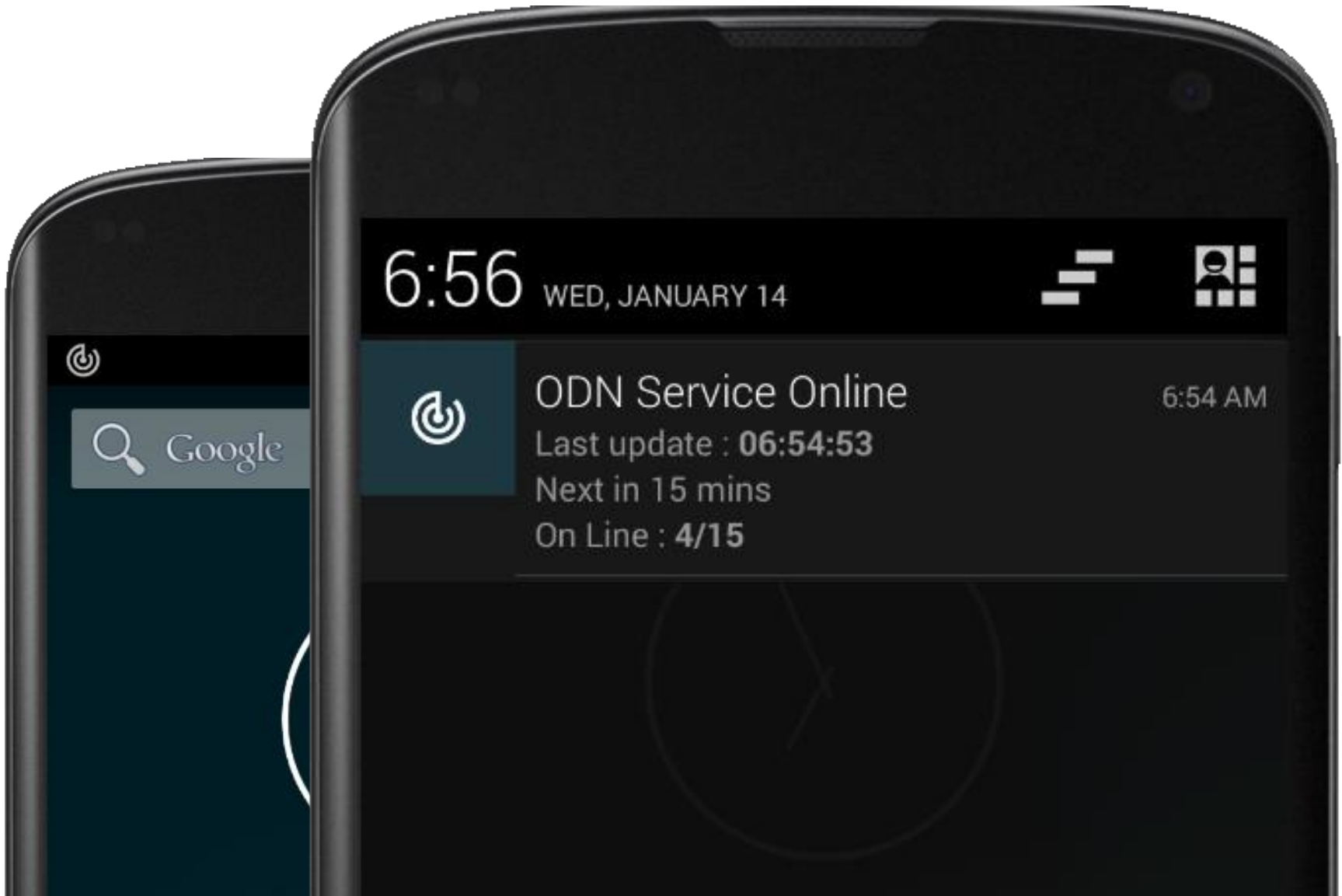
APP in use



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APP on stand by

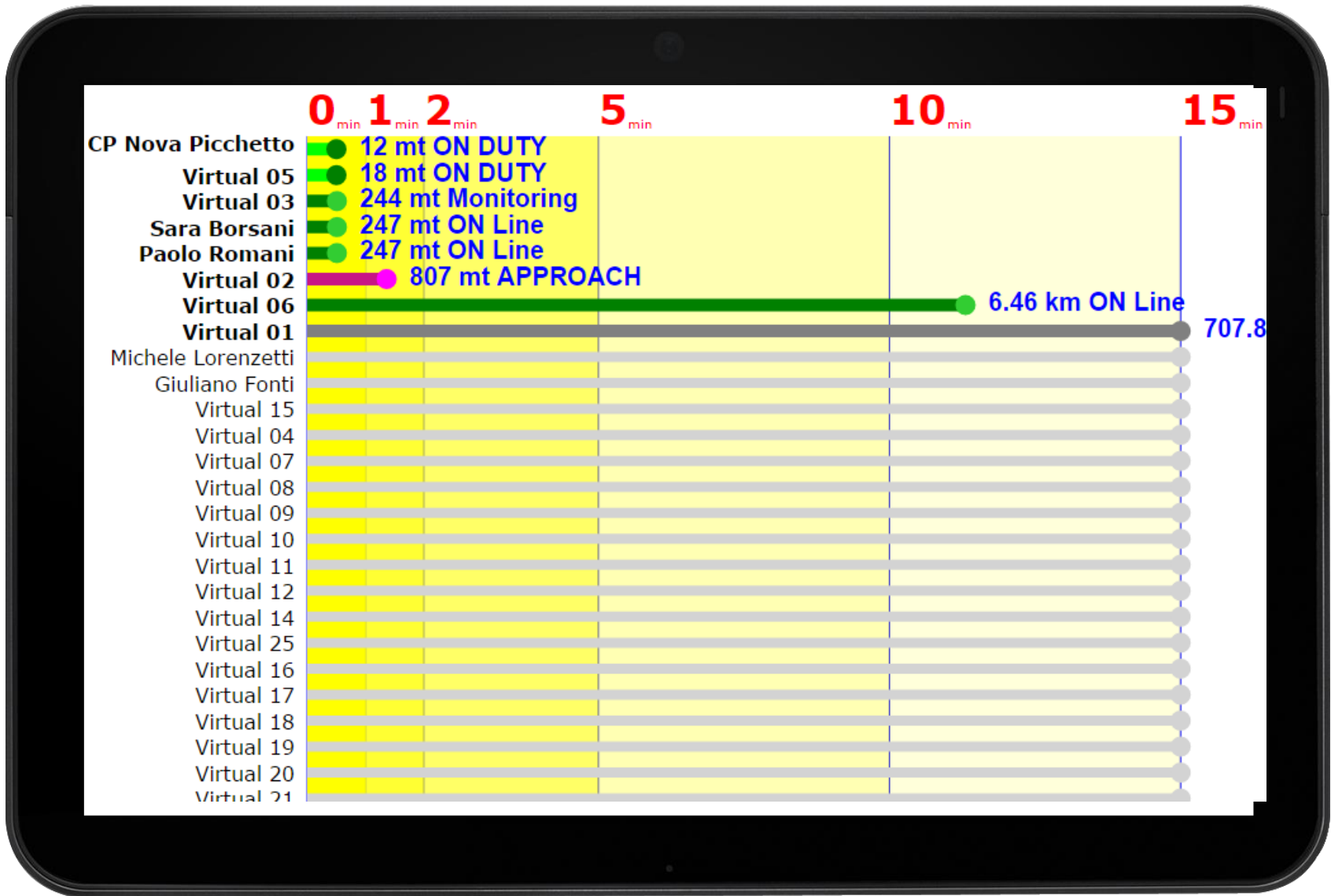


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WallBoard Text Info via Browser

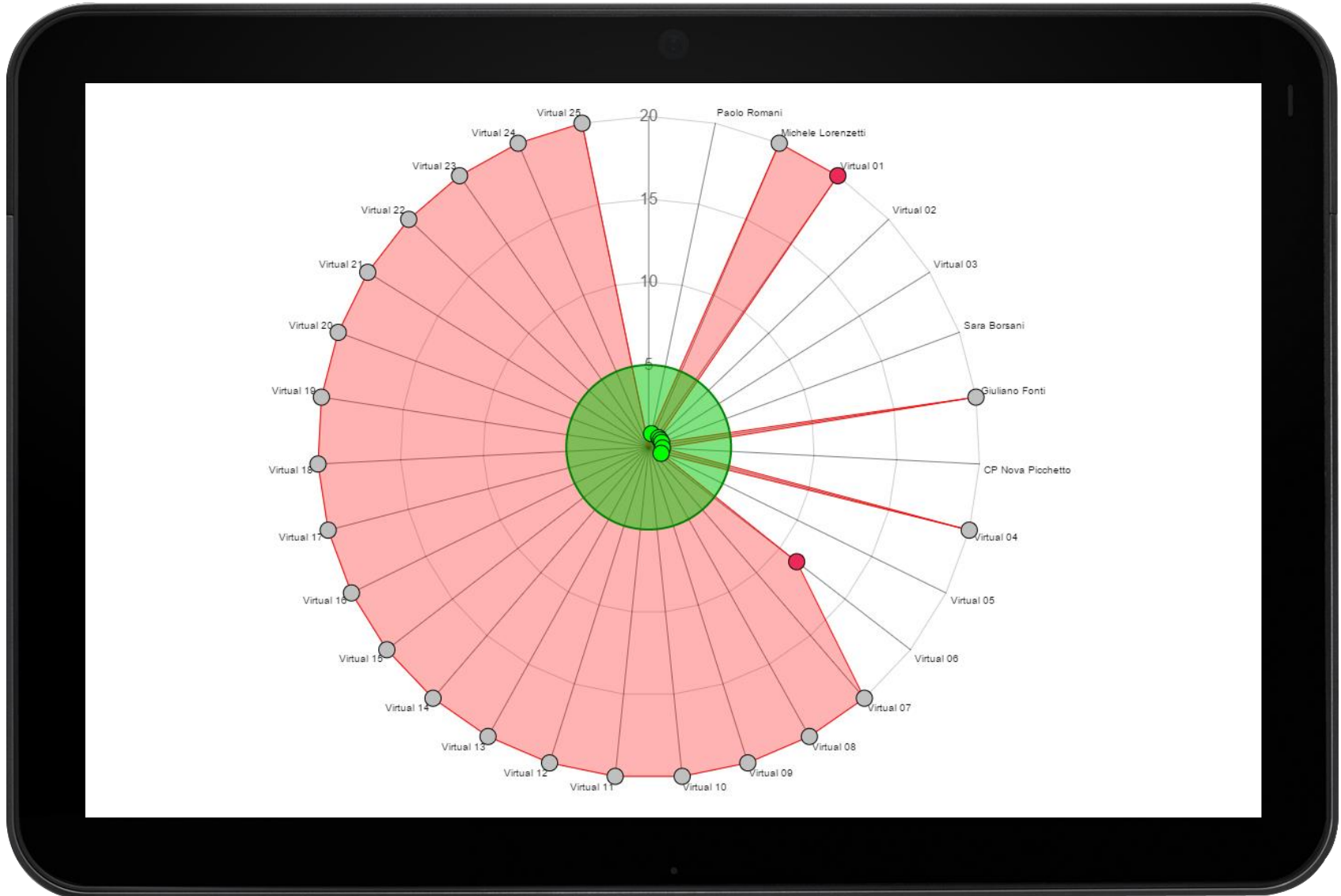
Grado	Nome	Cognome	Distanza	Arrivo	Update	Status
1 qua	CP Nova	Picchetto	12 mt	00h 00m 01s	19.08 00:38	ON DUTY
2 pomp	Virtual	05	18 mt	00h 00m 02s	19.08 00:42	ON DUTY
3 pomp	Virtual	03	236 mt	00h 00m 29s	19.08 00:45	MONITORING
4 sgtm	Sara	Borsani	247 mt	00h 00m 30s	19.08 00:32	ON LINE
5 lten	Paolo	Romani	247 mt	00h 00m 30s	19.08 00:34	ON LINE
6 pomp	Virtual	02	807 mt	00h 01m 22s	19.08 00:46	APPROACH
7 pomp	Virtual	06	6.46 km	00h 11m 18s	19.08 00:44	ON LINE
8 pomp	Virtual	01	707.82 km	08h 14m 39s	19.08 00:40	ON LINE
9 pomp	Virtual	15	95 mt	00h 00m 10s	02.08 04:00	MISSING
10 pomp	Virtual	04	95 mt	00h 00m 10s	02.08 04:00	MISSING
11 pomp	Virtual	07	95 mt	00h 00m 10s	02.08 04:00	MISSING
12 pomp	Virtual	08	95 mt	00h 00m 10s	02.08 04:00	MISSING
13 pomp	Virtual	09	95 mt	00h 00m 10s	02.08 04:00	MISSING
14 pomp	Virtual	10	95 mt	00h 00m 10s	02.08 04:00	MISSING
15 pomp	Virtual	11	95 mt	00h 00m 10s	02.08 04:00	MISSING
16 pomp	Virtual	12	95 mt	00h 00m 10s	02.08 04:00	MISSING
17 pomp	Virtual	14	95 mt	00h 00m 10s	02.08 04:00	MISSING
18 pomp	Virtual	25	95 mt	00h 00m 10s	02.08 04:00	MISSING
19 pomp	Virtual	16	95 mt	00h 00m 10s	02.08 04:00	MISSING
20 pomp	Virtual	17	95 mt	00h 00m 10s	02.08 04:00	MISSING
21 pomp	Virtual	18	95 mt	00h 00m 10s	02.08 04:00	MISSING
22 pomp	Virtual	19	95 mt	00h 00m 10s	02.08 04:00	MISSING
23 pomp	Virtual	20	95 mt	00h 00m 10s	02.08 04:00	MISSING
24 pomp	Virtual	21	95 mt	00h 00m 10s	02.08 04:00	MISSING
25 pomp	Virtual	22	95 mt	00h 00m 10s	02.08 04:00	MISSING
26 pomp	Virtual	23	95 mt	00h 00m 10s	02.08 04:00	MISSING
27 pomp	Virtual	24	95 mt	00h 00m 10s	02.08 04:00	MISSING
28 pomp	Virtual	13	95 mt	00h 00m 10s	02.08 04:00	MISSING
29 cpl	Giuliano	Fonti	10.34 km	00h 16m 41s	04.02 15:23	MISSING
30 cpl	Michele	Lorenzetti	358 mt	00h 01m 17s	02.02 23:59	MISSING

WallBoard Bar Graph Info via Browser

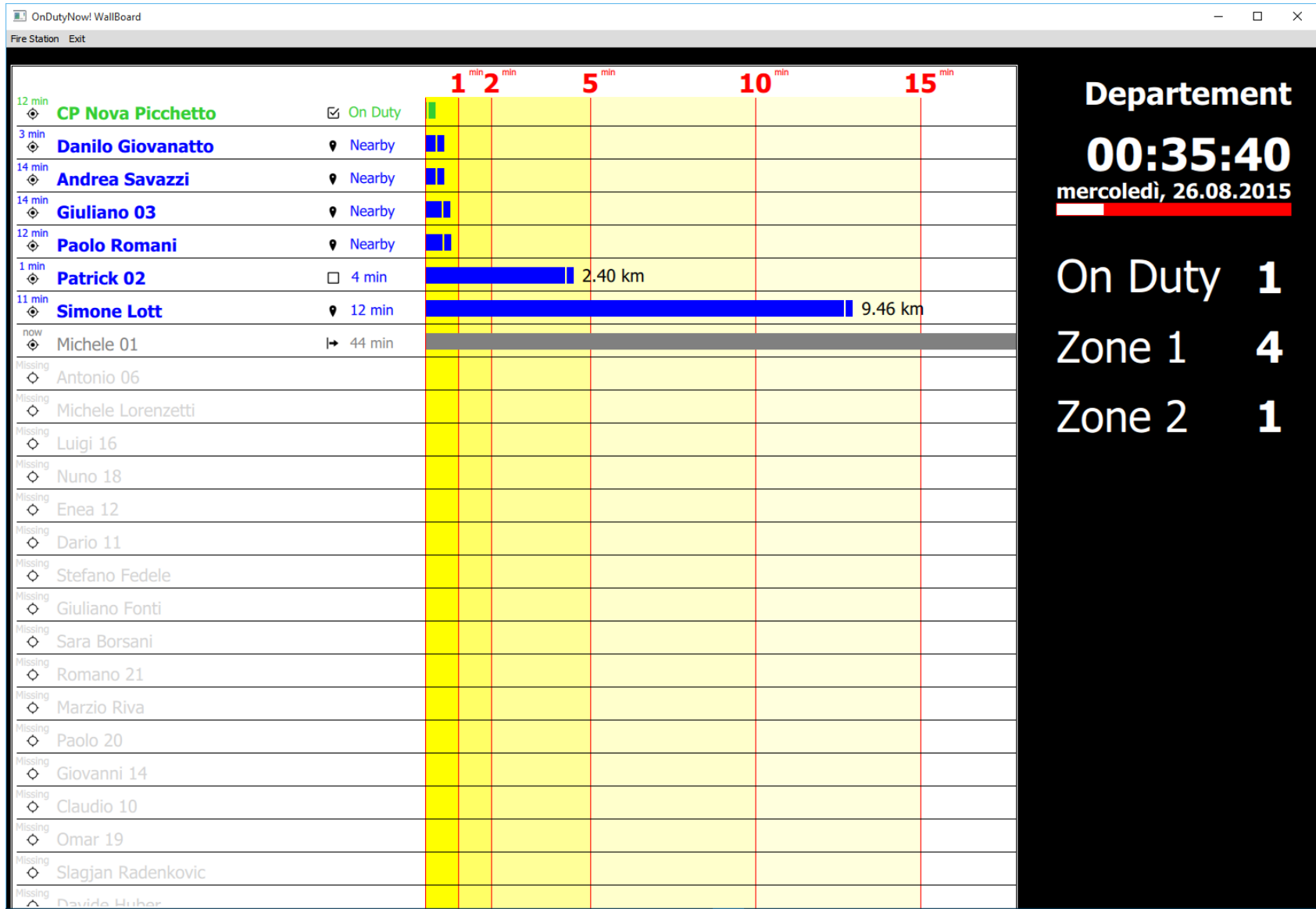


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WallBoard Radar Graph Info via Browser



WallBoard Info Distribution



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Current scenario

- Available on Android



Future development

- Development for iPhone



Thanks for your attention!

Hvala na pažnji i doviđenja!

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