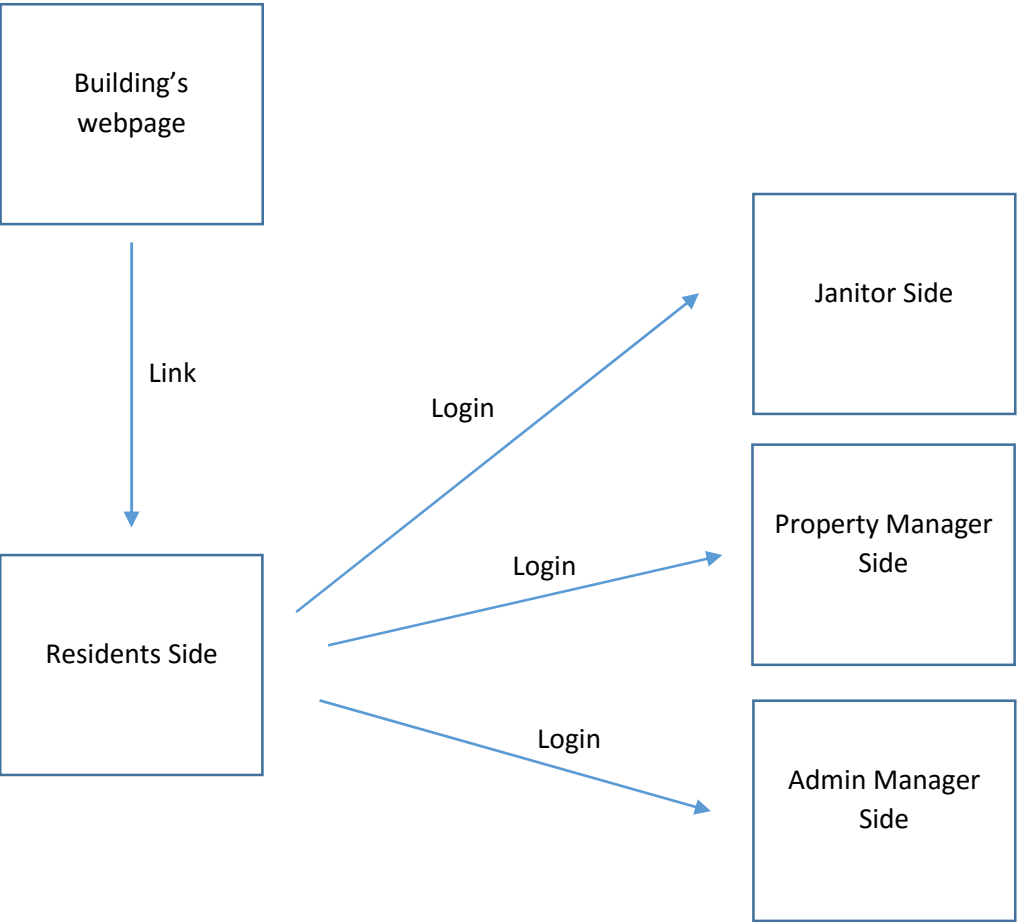


# Sketch General v3.1

DEMOLA - ENERGY MANAGEMENT FOR HOMES

FABIAN JORDAN



Message flow



Janitor



Property manager



Admin



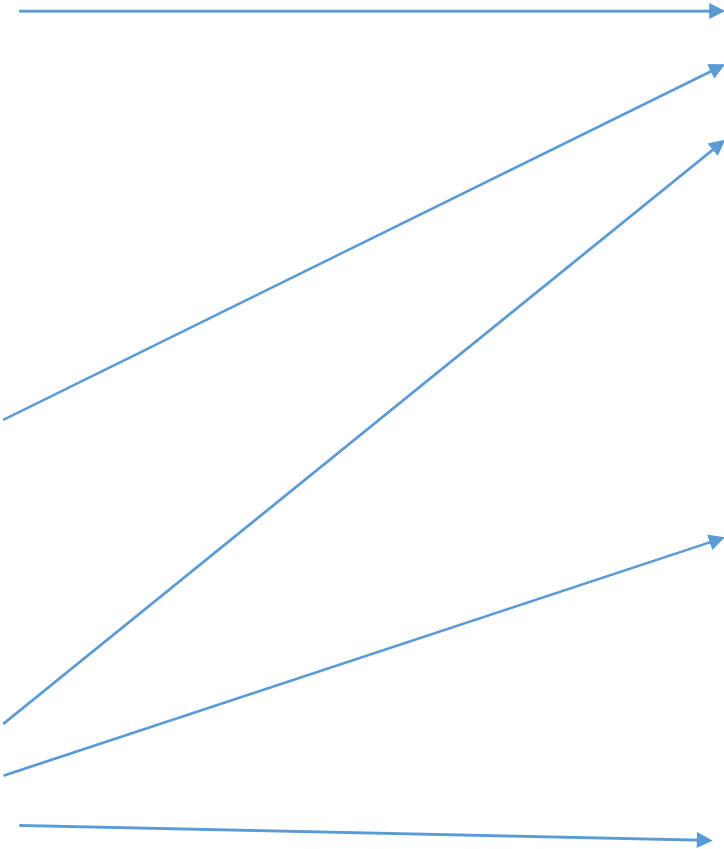
Residents



Janitor



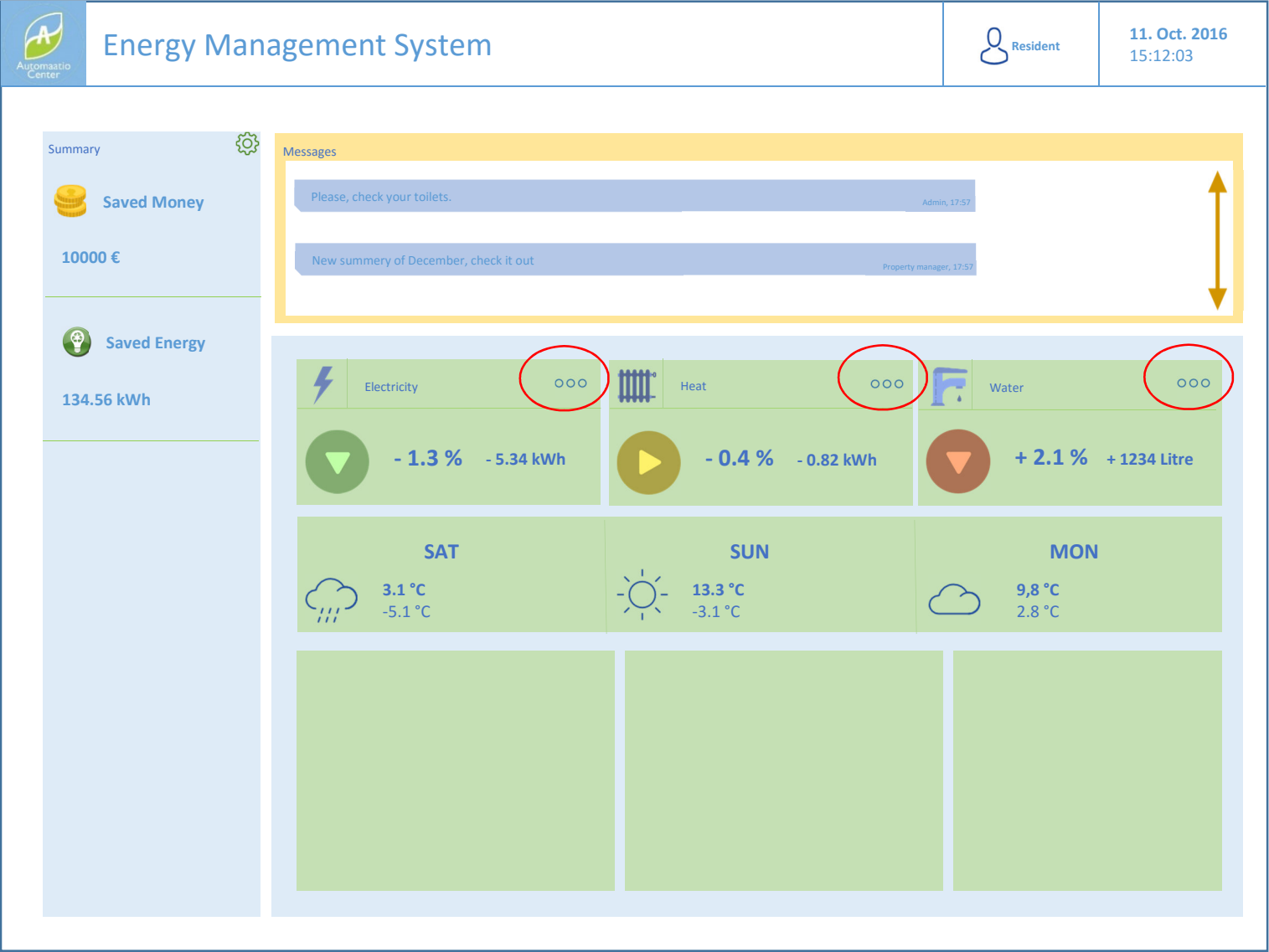
Property manager

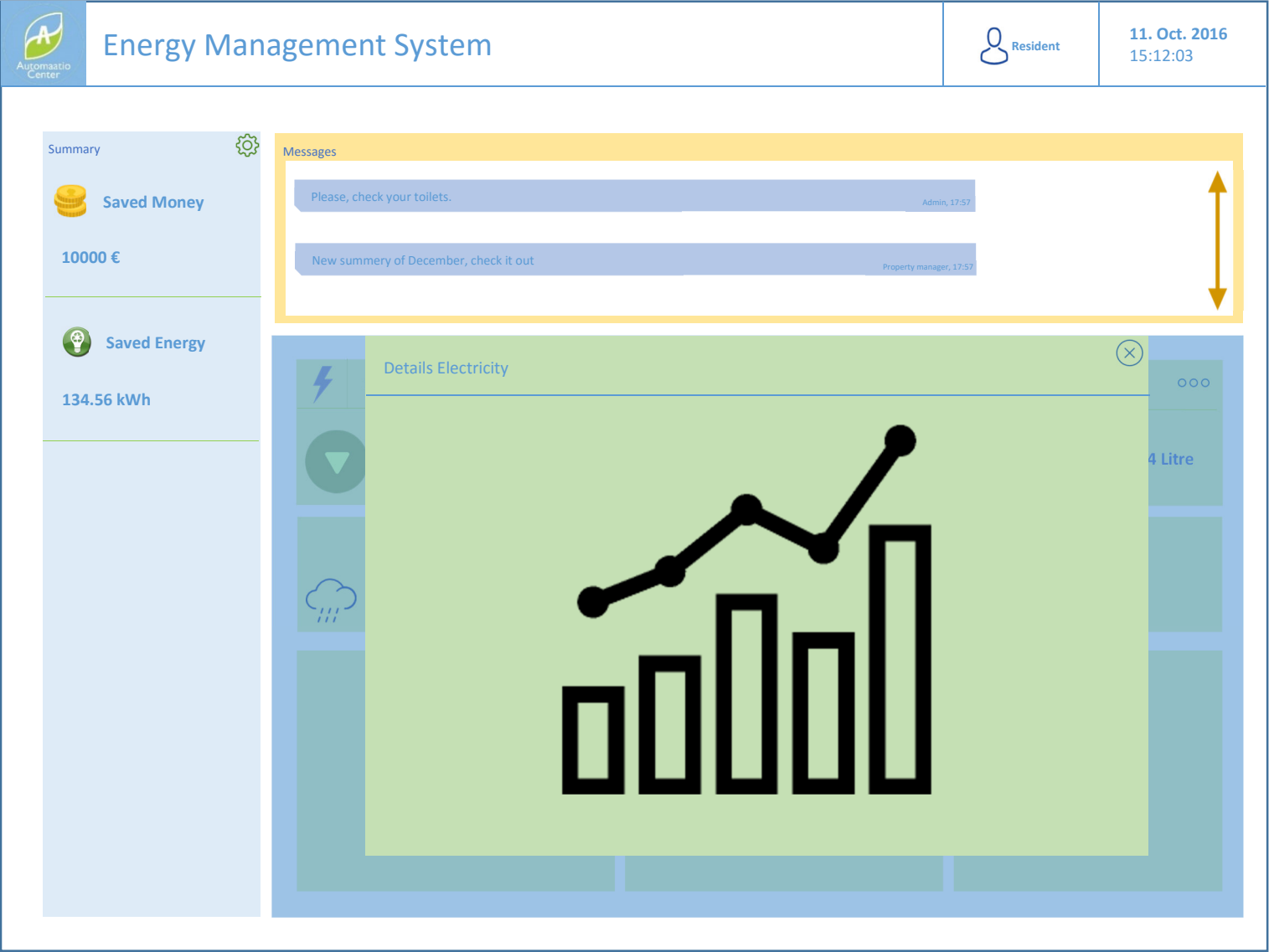



Send a message













Energy Management System


 Resident

11. Oct. 2016  
15:12:03


Summary

 Saved Money

10000 €

 Saved Energy


134.56 kWh




Messages


Please, check your toilets.  
Admin, 17:57

New summary of December, check it out  
Property manager, 17:57


 Electricity


○○○

 - 1.3 % - 5.34 kWh


 Heat

○○○


 - 0.4 % - 0.82 kWh

 Water


○○○

 + 2.1 % + 1234 Litre


SAT


 3.1 °C  
-5.1 °C

SUN


 13.3 °C  
-3.1 °C

MON

 9,8 °C  
2.8 °C




Energy Management System


 Resident

11. Oct. 2016  
15:12:03

Summary

 Saved Money

10000 €

 Saved Energy


134.56 kWh

Messages


Please, check your toilets.  
Admin, 17:57

New summary of December, check it out  
Property manager, 17:57


Electricity

 - 1.3 % - 5.34 kWh


SAT

 3.1 °C  
-5.1 °C

Water

 + 2.1 % + 1234 Litre

MON

 9,8 °C  
2.8 °C

Widgets Options

☐ Electricity

☐ Heat

☐ Water


☐ Weather Forecast

☐ Detail Electricity


☐ Detail Heat

☐ Detail Water






Energy Management System



Janitor

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Janitor

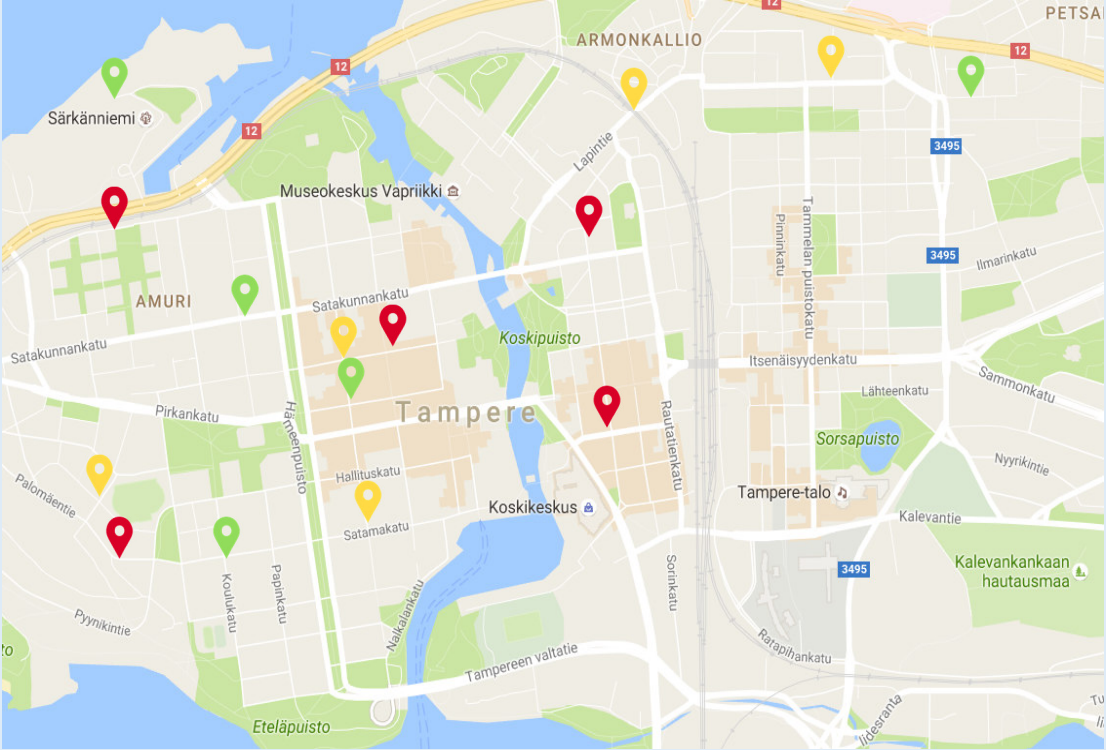



Buildings

34


Short Info

Map






Energy Management System



Janitor

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level


Janitor



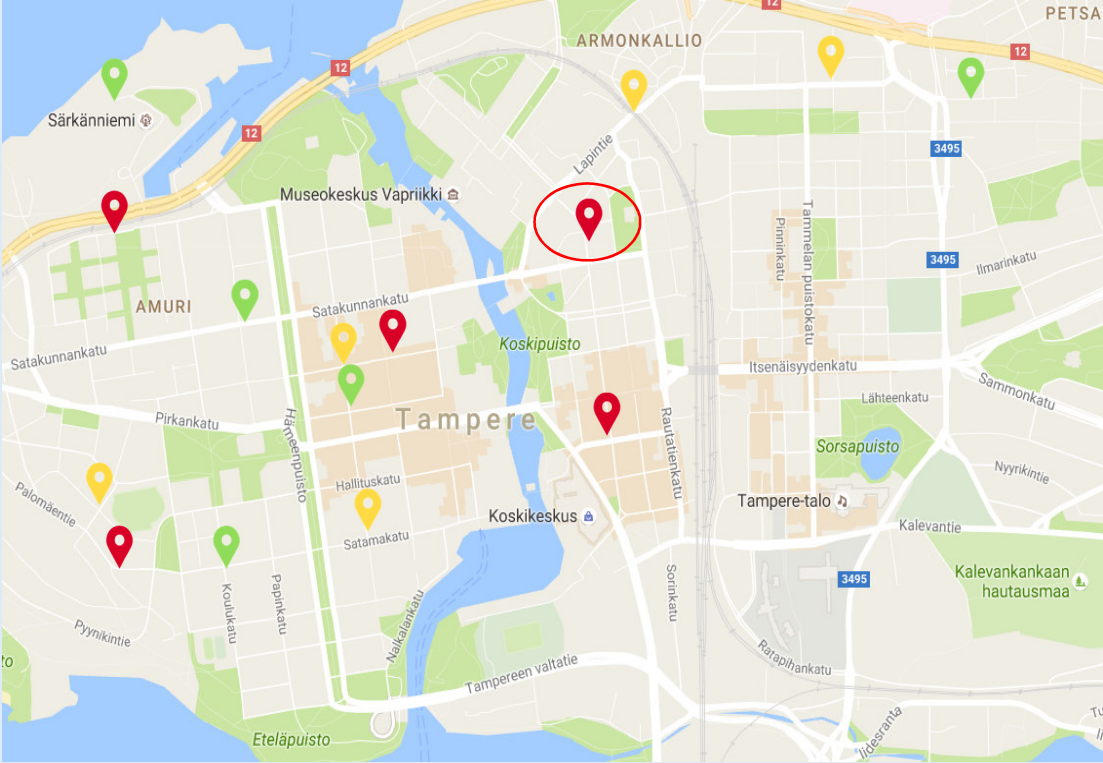
Buildings


34

Short Info




Map






Energy Management System



Janitor

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

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User Level

Janitor





Buildings


34

Short Info

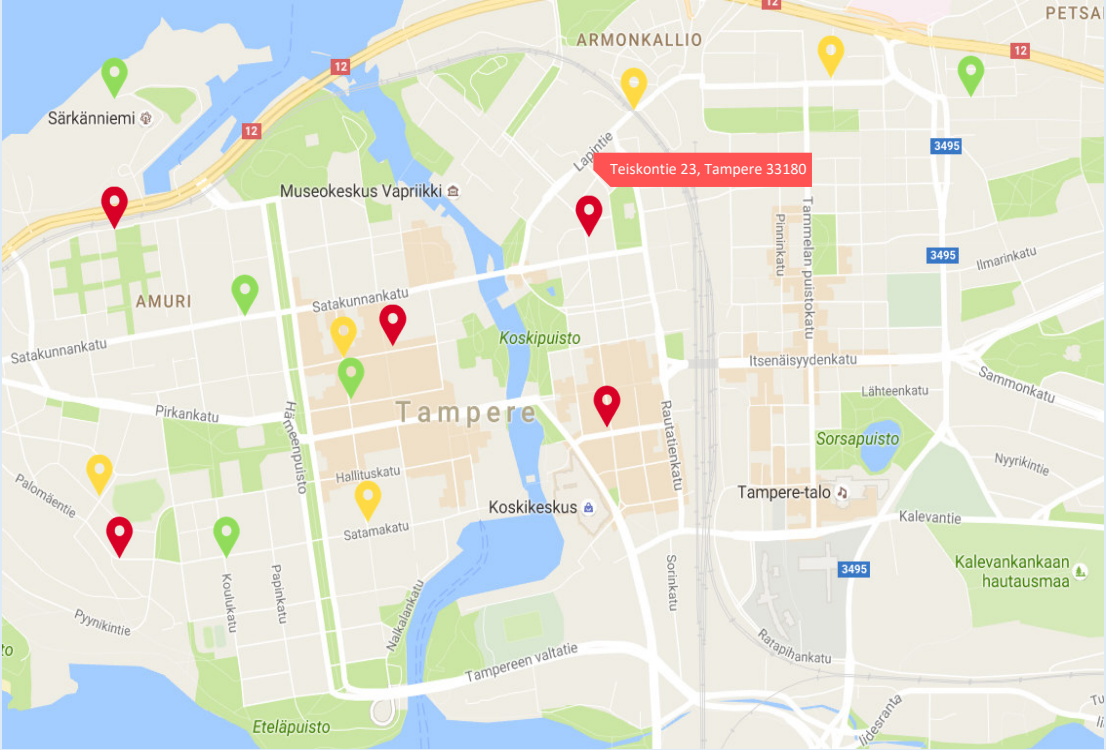
Heating is broken in the second floor









Map






Energy Management System



Janitor

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Janitor





Buildings


34

Short Info

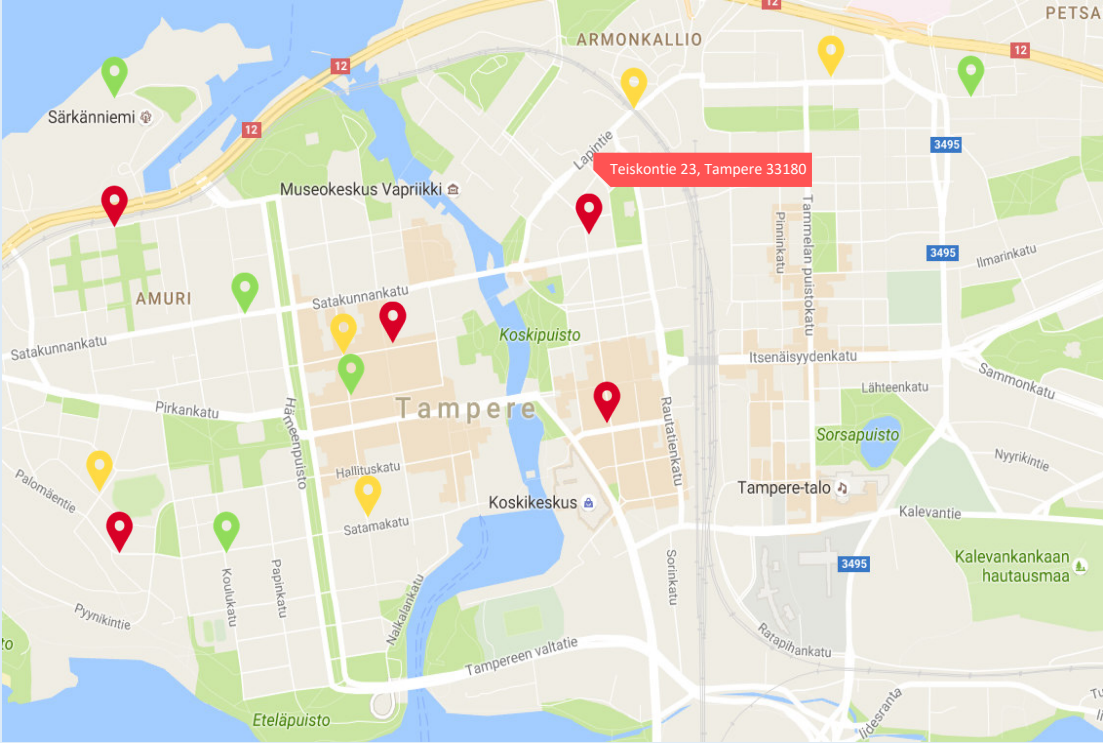
Heating is broken in the second floor









Map








Energy Management System


 Janitor

11. Oct. 2016  
15:12:03





Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level  
Janitor

 Buildings  
34

House 2 - Teiskontie 23, Tampere 33180



Info


Heating is broken in the second floor.  
Probably the thermostat on the west side could be the problem.  
Don't forget to take a ladder with you.

Message Board

17:57


Please, check your toilets.

Property manager




Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor




Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor



Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Search

House 1

House 2


House 3


House 4

House 5

House 6


House 7

 Data Collection

 Data House

 Electricity

23,56 kWh


 Heat

45.67 kWh


 Water

32434 l



|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |




Energy Management System


 Janitor

11. Oct. 2016  
15:12:03





Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level  
Janitor

 Buildings  
34

House 2 - Teiskontie 23, Tampere 33180



Info


Heating is broken in the second floor.  
Probably the thermostat on the west side could be the problem.  
Don't forget to take a ladder with you.

Message Board

17:57 Please, check your toilets.


17:57 Repair is carried out.

Property manager




Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor





Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78


Janitor





Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Data Collection ○○○

 Data House ○○○

 Electricity 23,56 kWh

 Heat 45.67 kWh

 Water 32434 l

|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |

Search

House 1

House 2


House 3

House 4


House 5

House 6


House 7




Energy Management System

 Janitor


11. Oct. 2016  
15:12:03



Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level  
Janitor

 Buildings  
34

House 2 - Teiskontie 23, Tampere 33180


Info  
All ok!


Message Board

17:57Please, check your toilets.


18:45Repair is carried out.

21:45Repair is done.




Property manager  



Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor  


Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor  


Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Search

House 1

House 2


House 3


House 4


House 5


House 6



House 7

 Data Collection 

 Electricity 23,56 kWh


 Heat 45.67 kWh

 Water 32434 l


 Data House 

|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |








Energy Management System


 Janitor


11. Oct. 2016  
15:12:03



Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level  
Janitor

 Buildings  
34

House 2 - Teiskontie 23, Tampere 33180

Info


All ok!

Message Board


17:57Please, check your toilets.

18:45Repair is carried out.


21:45Repair is done.




Property manager


 Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor

 Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor

 Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Search

House 1

House 2


House 3


House 4


House 5


House 6


House 7

 Data Collection

 Electricity23,56 kWh

 Heat45.67 kWh

 Water32434 l


 Data House

|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |













Energy Management System


 Janitor


11. Oct. 2016  
15:12:03



Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level  
Janitor

 Buildings  
34

House 2 - Teiskontie 23, Tampere 33180

Info

All ok!

Message Board


17:57Please, check your toilets.

18:45Repair is carried out.

21:45Repair is done.


21:45Mrs Miller wants the entire house repainted.

Property manager




Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor




Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor



Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Search

House 1

House 2


House 3


House 4


House 5


House 6

House 7

 Data Collection


 Electricity23,56 kWh

 Heat45.67 kWh


 Water32434 l

 Data House

|         |                      |         |   |
|---------|----------------------|---------|---|
| Area    | 15338 m <sup>3</sup> | Value 2 | x |
| Year    | 1973                 | Value 3 | x |
| Floors  | 4                    | Value 4 | x |
| Value 1 | x                    | Value 5 | x |
| Value 2 | x                    | Value 6 | x |




Energy Management System



Property manager

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Property manager





Buildings

34


Short Info

Map






Energy Management System



Property manager

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level


Property manager



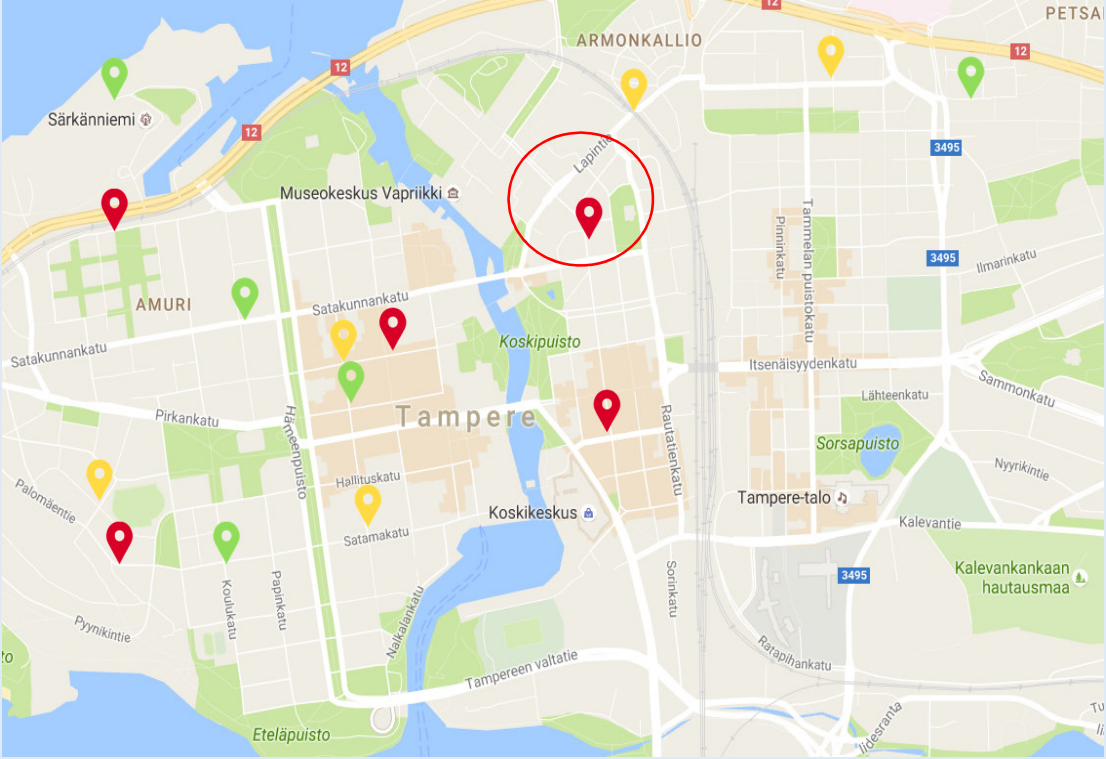
Buildings


34

Short Info




Map






Energy Management System



Janitor

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Janitor





Buildings

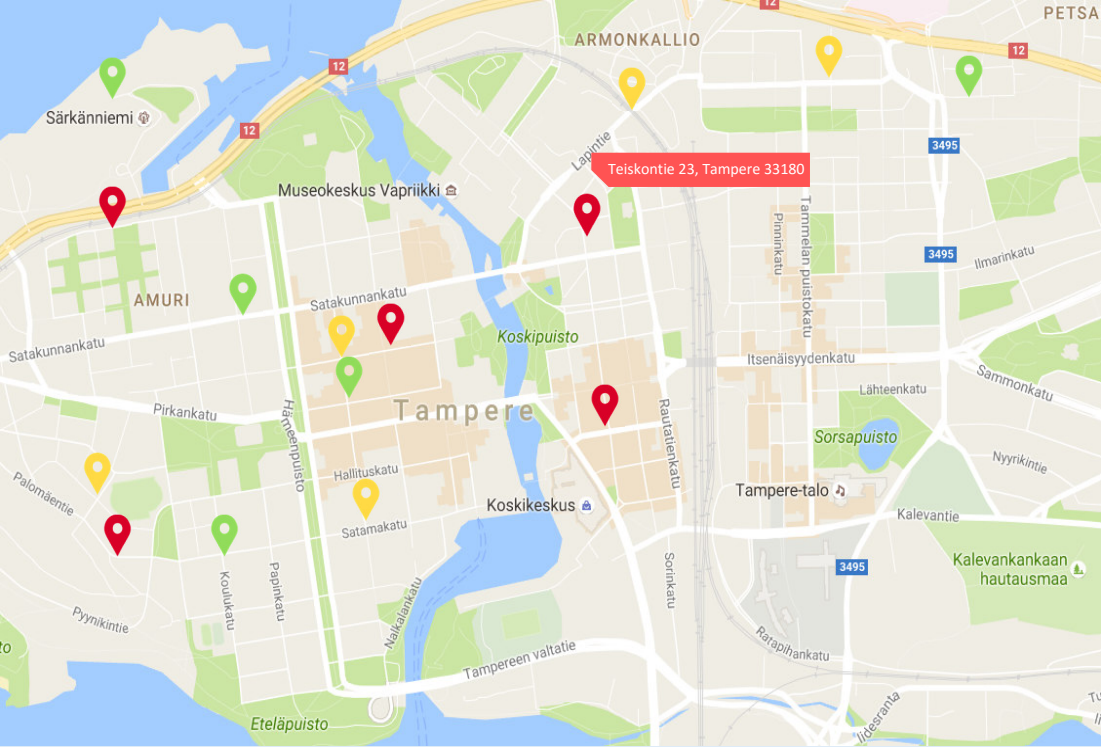
34

Short Info


Heating is broken in the second floor




Map



Teiskontie 23, Tampere 33180





Energy Management System



Property manager

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)




User Level

Property manager



Buildings

34

House 2 - Teiskontie 23, Tampere 33180

Info


Heating is broken in the second floor.  
Probably the thermostat on the west side could be the problem.  
Don't forget to take a ladder with you.

Message Board

17:57


Please, check your toilets.

Property manager




Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor




Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor



Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78



Search

House 1

House 2


House 3

House 4

House 5


House 6

House 7




Data Collection

ooo




Electricity

23,56 kWh




Heat

45.67 kWh



Water

32434 l




Data House


ooo

|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |






Energy Management System



Admin

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Admin




Buildings


34

Buildings


Janitors

Property Manager







Map









Energy Management System

 Admin

11. Oct. 2016  
15:12:03




Hans Muster

Lapinkaari 1


33180 Tampere

044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)

 User Level

Admin


 Buildings


34

Buildings

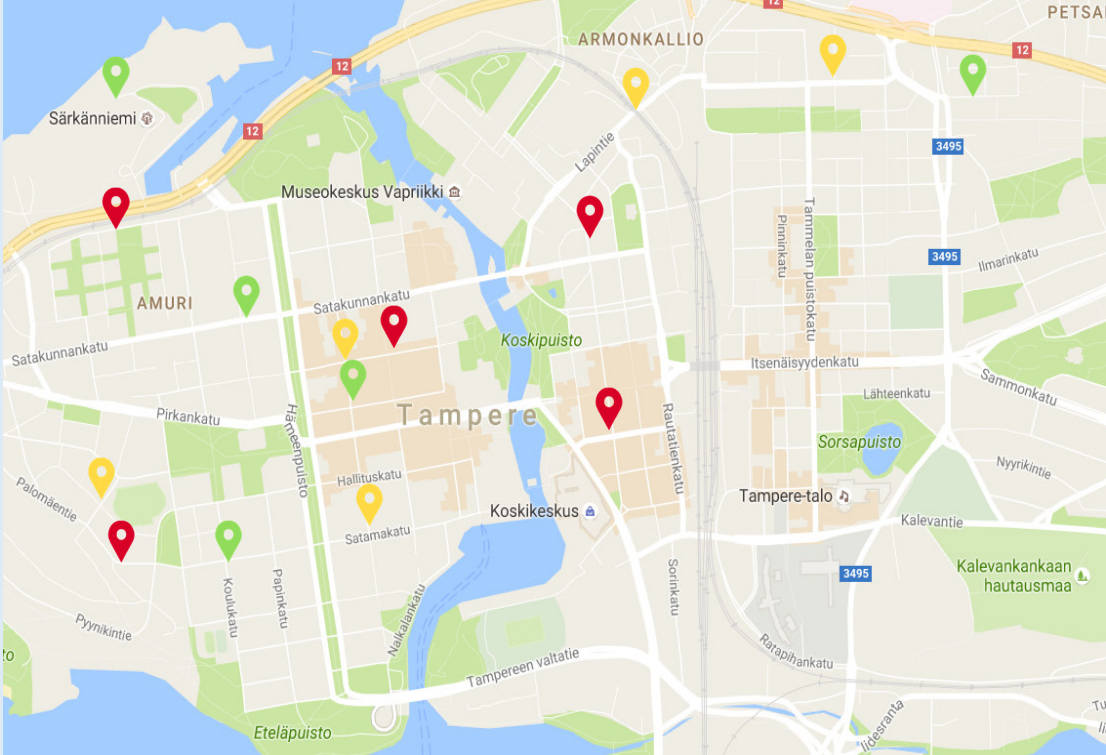
Janitors

Property Manager





Map



Buildings  
34

## Property Manager

## Buildings

[illegible]



**Hans Muster**  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level  
Admin

Buildings  
34

Janitors

## Property Manager

## Buildings

[illegible]



Energy Management System

 Admin

11. Oct. 2016  
15:12:03



Hans Muster

Lapinkaari 1

33180 Tampere

044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



 User Level  
Admin

 Buildings  
34

Buildings

Janitors

Property Manager





Info

Heating is broken in the second floor.  
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Don't forget to take a ladder with you.

Message Board

17:57

Please, check your toilets.





Property manager



Tim Muster  
[tim.muster@abc.com](mailto:tim.muster@abc.com)  
044 944 23 89

Janitor



Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

Janitor



Hans Muster  
[hans.muster@abc.com](mailto:hans.muster@abc.com)  
044 944 23 78

 Search

House 1

House 2

House 3

House 4

House 5

House 6

House 7

 Data Collection

 Data House

 Electricity

23,56 kWh


 Heat


45.67 kWh

 Water



32434 l

|         |          |         |   |
|---------|----------|---------|---|
| Area    | 15338 m³ | Value 2 | x |
| Year    | 1973     | Value 3 | x |
| Floors  | 4        | Value 4 | x |
| Value 1 | x        | Value 5 | x |
| Value 2 | x        | Value 6 | x |


Energy Management System


Admin

11. Oct. 2016  
15:12:03



Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)



 User Level  
Admin



 Buildings  
34

Buildings


Janitors


Property Manager





Janitors

| Name    | Email  | Password | Buildings |
|---------|--|----------|-----------|
| Hans 1  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 32        |
| Hans 2  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 45        |
| Hans 3  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 4  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 54        |
| Hans 5  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 54        |
| Hans 6  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 7  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 43        |
| Hans 8  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 2         |
| Hans 9  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 23        |
| Hans 10 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 11 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 12 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 5         |
| Hans 13 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 5         |
| Hans 14 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 56        |
| Hans 15 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 2         |


Energy Management System


Admin

11. Oct. 2016  
15:12:03



Hans Muster  
Lapinkaari 1  
33180 Tampere  
044 944 56 44  
[hans.muster@abc.com](mailto:hans.muster@abc.com)



 User Level  
Admin

 Buildings  
34




Buildings

Janitors


Property Manager




Janitors





| Name    | Email  | Password | Buildings |
|---------|--|----------|-----------|
| Hans 1  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 32        |
| Hans 2  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 45        |
| Hans 3  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 4  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 54        |
| Hans 5  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 54        |
| Hans 6  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 7  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 43        |
| Hans 8  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 2         |
| Hans 9  | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 23        |
| Hans 10 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 11 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 4         |
| Hans 12 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 5         |
| Hans 13 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 5         |
| Hans 14 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 56        |
| Hans 15 | <a href="mailto:hans1@demola.com">hans1@demola.com</a> | 1234     | 2         |



Energy Management System

Admin

11. Oct. 2016  
15:12:03




Hans Muster

Lapinkaari 1


33180 Tampere

044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level  
Admin





Buildings  
34

Buildings

Janitors


Property Manager






Chats

Contacts





Energy Management System



Admin

11. Oct. 2016

15:12:03




Hans Muster

Lapinkaari 1

33180 Tampere


044 944 56 44

[hans.muster@abc.com](mailto:hans.muster@abc.com)



User Level

Admin




Buildings


34

Buildings

Janitors

Property Manager





Chats

P

Hans 1

Hi, daioudsahduh..

J

Hans 1

Hi, daioudsahduh..

B

Lapinkaari 1

Hi, daioudsahduh..

B

Viinikankatu 1

Hi, daioudsahduh..

17:57

Please, check your toilets.

Contacts