

Using Crowd Sourcing for early identification of Issues

OPTRON

Service delivery protests explode across SA

'I think we need to realise as leaders that when we make promises to communities we need to honour those promises'

09 MAY 2017 - 08:24 by TIMESLIVE



Police clashed with residents of Eldorado Park, south of Johannesburg. Picture: MOELETSI MABE, THE

Service Delivery in South Africa

- The closer we get to a real democracy, the more our people will be demanding service, after all we pay for it!
- According to the Africa Check site, although there is about 15000 protests per year, of those there is a service delivery protest at least every second day!
- The only sustainable solution is to identify and fix problems ASAP, and to keep the public informed



Background



"When I was told our new electronic security system was going to be state of the art, no one mentioned it was state of the art in 1954."

OPTRON

Background

- How do we currently find out about problems?
- In almost every municipality you get a number to call





Lets look at a few examples

Ekurhuleni

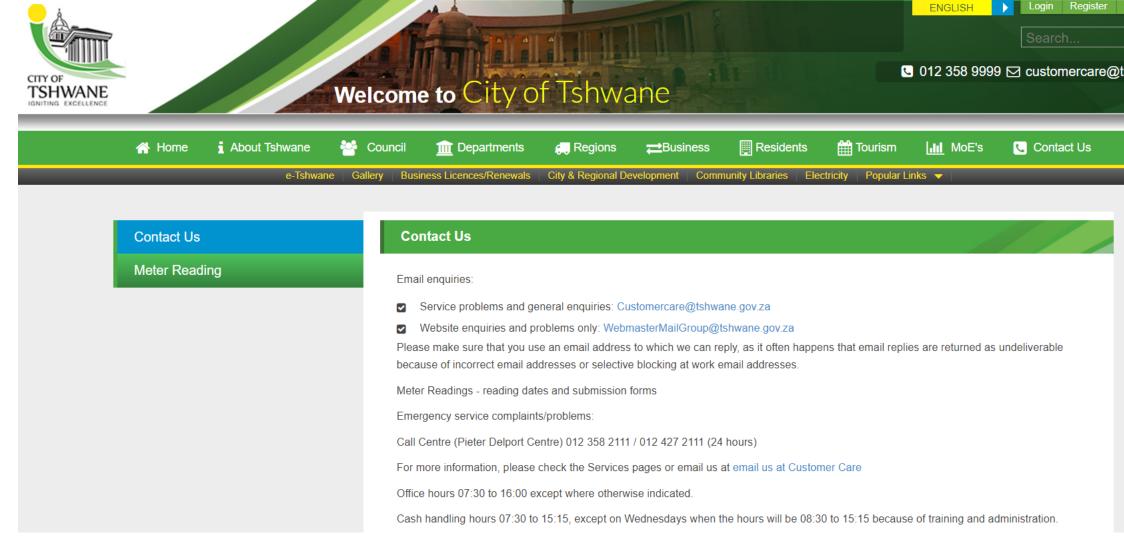




Please call our Call Centre to report any service related issues on:

0860 543 000

Tshwane



Joburg – Cuty Power



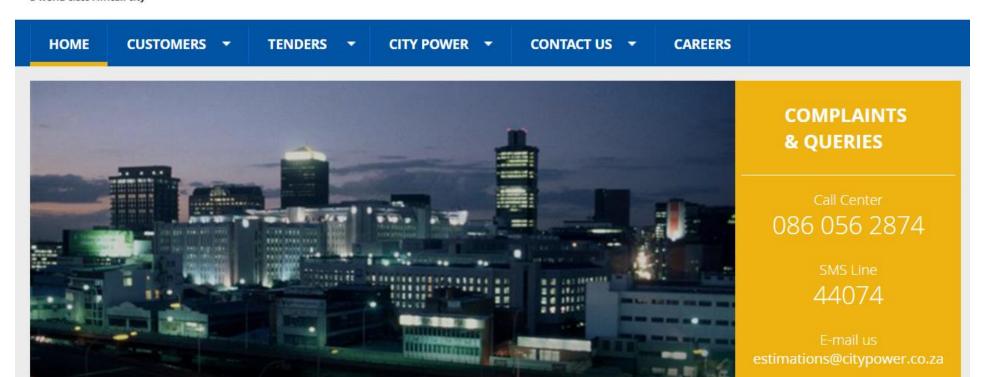


PLANNED OUTAGES

GO TO SCHEDULE \rightarrow



LOCATE US →



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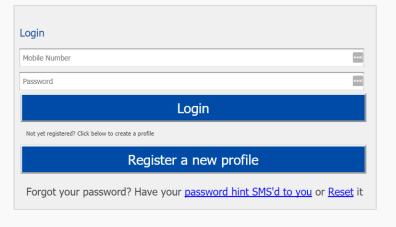
TRON'

Joburg – City Power



City Power Web Fault Logging

Please note that this system requires all users to register before they can log faults using the 'Register a new Profile' button below



Cape Town



Cape Town

General enquiries Emergency numbers and hotlines Reporting Services Utility services Our facilities Our departments The Media Office Legal Access to information Find your councillor Mayor's Office

Reporting

Report online through our Service requests portal

Electricity faults - City of Cape Town

Telephone:

0860 103 089

SMS:

31220

Email:

power@capetown.gov.za

Electricity faults - Eskom supply area

Electricity call centre:

0860 037 566

Email:

western@eskom.co.za

Cable theft



Cape Town — Private Site Complaints Reporting to the City of Cape Town made easy!

CITY OF CAPE TOWN'S C3 ELECTRONIC REPORTING SYSTEM

The C3 Electronic Reporting System ensures that your complaints and requests are recorded, tracked and reported and is applied to all functions of work in the City, from potholes, water leaks and power outages, to name a few. This notification system was introduced in 2007 and enables local councillors to log into it and track issues in their wards.

To log a request or complaint on the C3 Notification system you can do one of the following:

Call 086 010 3089 – City's Call Centre SMS 31373 (no more than 160 characters) Email: contactUS@capetown.gov.za Or log on directly to

https://www.capetown.gov.za/en/ServiceRequests/Pages/default.aspx

You are then given a reference number, which allows you to follow up on the complaint. The notification will be closed as soon as the complaint has been dealt with.



Private Site





Return to the home page or report the problem

You could also try searching again



City documents and resources

City online services

City council

Does this work?

 Please do a search on Facebook relating to reporting electrical problems for your city and see what you get. Tina Trollip Power of certain houses Lannea Ave Doornpoort since six last night come on reported numerous times come on!!!! t

Like · Reply · 20 April at 05:04

Ina Van Staden Power out Villieria since 5am this morning

Like · Reply · 24 April at 17:07 · Edited

Nhleko Konekt Says Power off parts of Lotus and Little Manhattan Estate since last night 18:00pm????

Like · Reply · 2 May at 15:23

1 Reply

Maswanganye Docter Power failure at attregville cnr maseko and mnguni since yersterday

Like · Reply · 11 May at 16:38

Yaseen Hajee Power failure since 8/5/2017 at 98 Sparta Rd.Request are being cancelled without work carried out €€

Roger Fraser: "Another night without power in Pinetown been over 28 hours and counting been given run around that they came out and issued a new reference they fudging the system to pretend they attending to issues of power outages within 24 hours yet I have a clear view of the power DB box and not one person has been near it ,they can't come out between 8 and 10 as new shift comes on at 10 wow takes them more than 2 hours Durban to Pinetown Reference 2068735 2069882"



CITY OF JOHANNESBURG.

City Power: So I have just had an interesting discussion with a City Power Call Centre operator.

The SMS numbers which I have on my phone - 44074, (And I use it to report outages and problems), doesn't work. I get responses saying City Power has received your SMS and someone will get back to you, but that is where it ends. Last week I SMS(ed) them on five occasions to report issues with tampering with electrical installations and saw no action. So please can the City of Joburg explain?

Joburg Water: I asked a question with regards to what I suspect is a water leak, on the pavement between the Temporary meter (Put in to replace the original meter which was stolen) and the stop-cock (Which is flooding). Both of these items are on the pavement, and are therefore on municipal property and are therefore municipal responsibility. The stop cock is downstream from the meter, which I find odd. It is leaking at around 25L per hour. (I did a test using meter readings). Yet I don't see much action from the Jhb Water. So please can the City of Joburg explain?



Dead-end communication avenues do not result in action



Have we optimised out process?

- Lets agree, having a call center, or a number for a receptionist, at your department is not the best way to have the public report problems
 - No Proper Paper trial
 - No Feedback to customer
 - No Feedback to management
 - No Reporting on average turn around time etc.

Using Crowd
Sourcing for
early
identification
of Issues

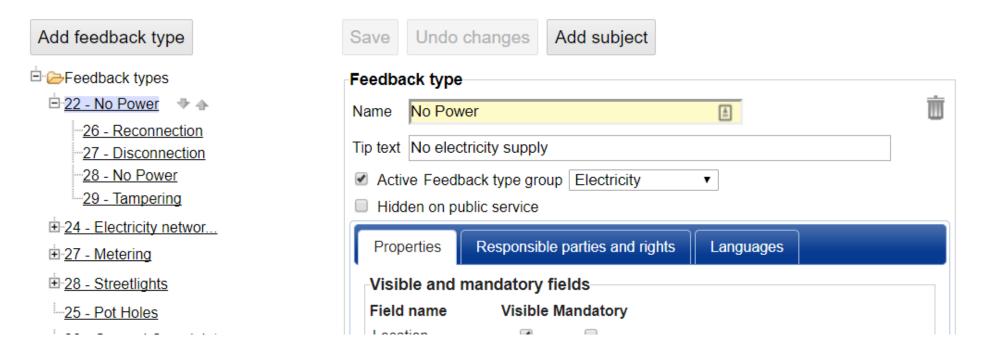


Definition of "Crowd Sourcing"

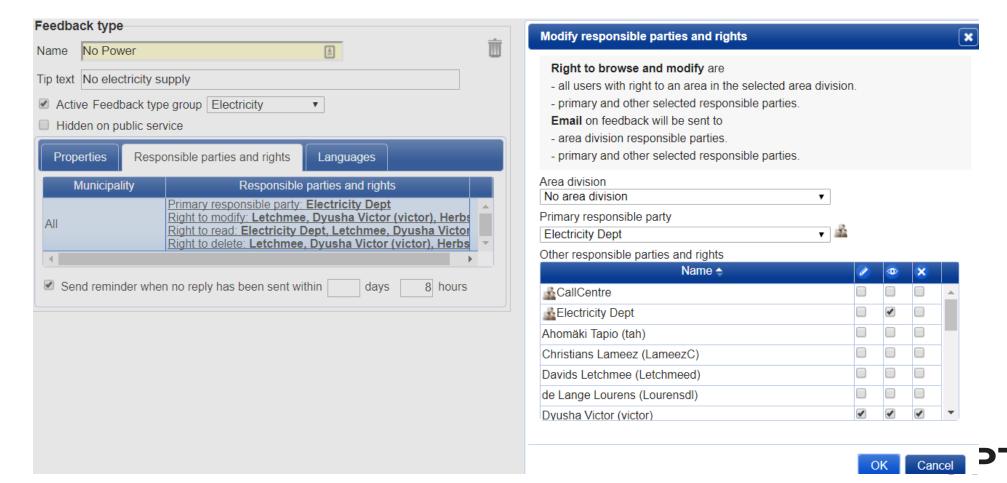
obtain (information or input into a particular task or project) by enlisting the services of a number of people, either paid or unpaid, typically via the Internet.



Step 1: Create your categories

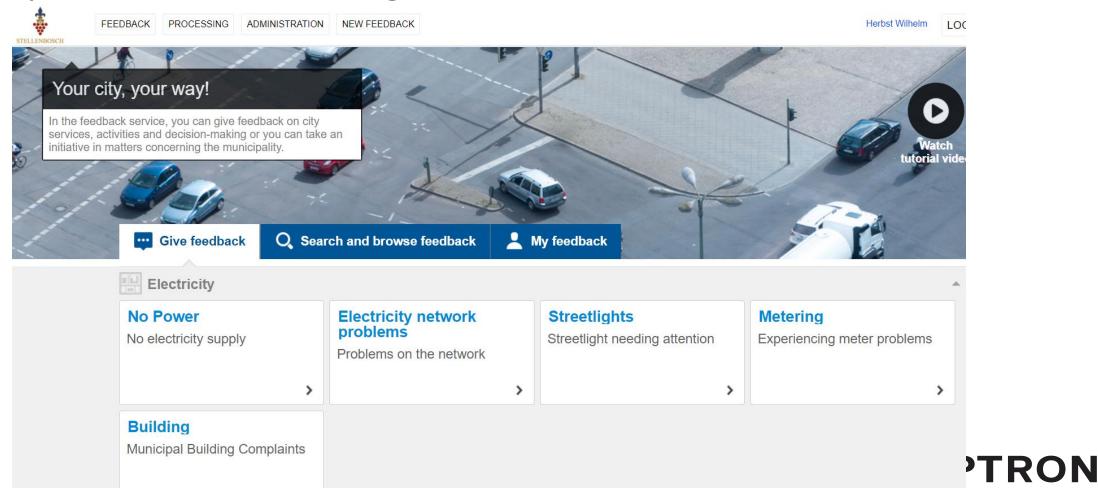


Step 2: Assign Responsible Parties



Step 3: Publish the Categories - Internet

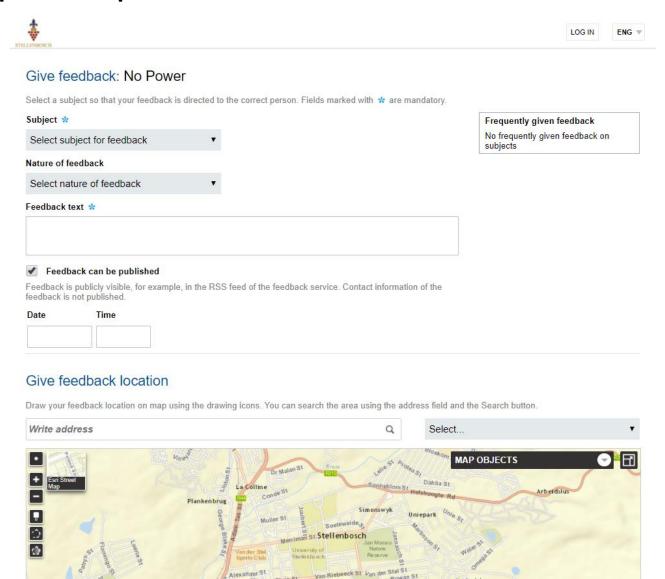
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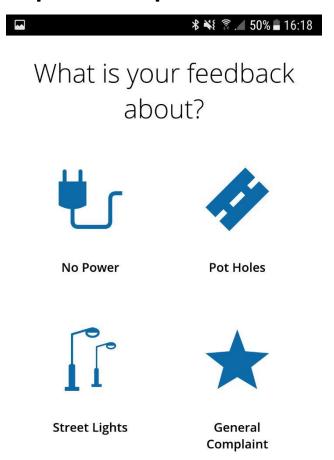
 Step 3: Publish the Categories – Mobile Phone

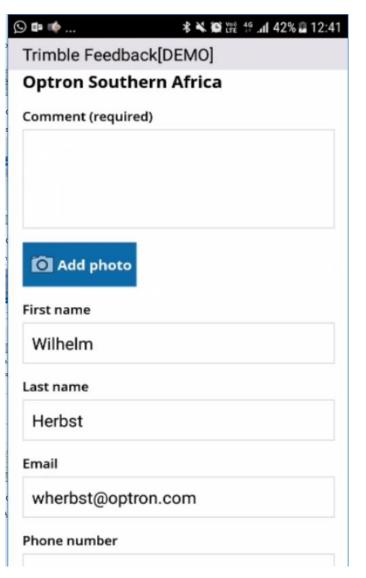


• Step 4: Report Issues – On Internet



• Step 4: Report Issues – On Mobile Phone





• Step 5: Public get thanked for reporting on Internet screen



Thank you for your feedback

Notification mail on receiving feedback is sent to address wherbst@optron.com

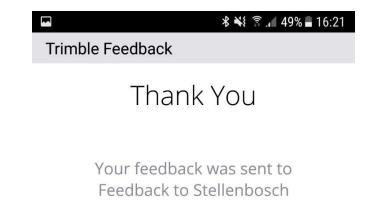
Information on processing the feedback is sent to the same address.

You have access to the feedback information using the following link. Feedback you have given when logged in is also visible on the front page of the feedback service under Feedback given by me.

Publication of feedback

You have allowed publication of your feedback. When publication has been approved in processing of your feedback, it will be shown on the city map service and in published feedback RSS feed.

• Step 5: Public get thanked for reporting on Internet screen



• Step 5: Public get thanked for reporting by mail or SMS

Cc:

Subject: FW: Trimble Feedback Service - Thank you for your feedback

Dear Recipient, Wilhelm Herbst

Your feedback has been received. Thank you for your feedback.

http://optron.trimblefeedback.com/feedback/en/View/2920

Feedback type: Electrical Problems

Subject: Complaint

Description:

I am reporting a problem for the purpose of the SARPA Convention persentation

Do not reply to this message. This message was sent automatically from an address the inbox of which is not read.

Kind regards, Feedback service

Step: Responsible Person Receive a mail informing him

Trimble Feedback Service - New feedback has been received

Trimble Feedback Service < Feedback Service@tekla.com>

Sent: Thu 24-Aug-17 11:59
To: jasonprex@gmail.com

Cc: letchmee.loggenberg@stellenbosch.gov.za; letchmee.loggenberg@stellenbosch.gov.za;

victor.dyusha@stellenbosch.gov.za; Wilhelm Herbst

New feedback has been received in feedback service: http://partner35.trimblefeedback.com/en/Admin/Message/4763

Feedback type: No Power

Subject: No Power

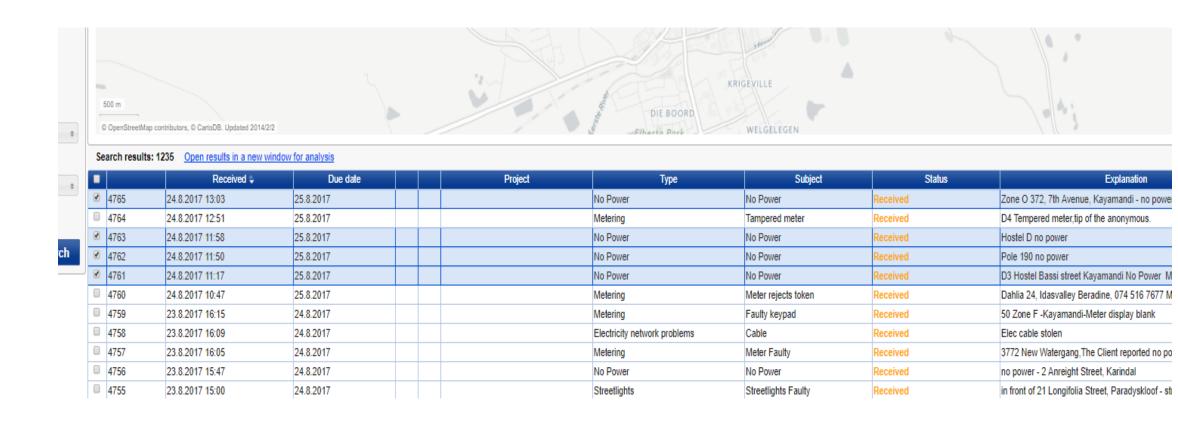
Description:

Hostel D no power

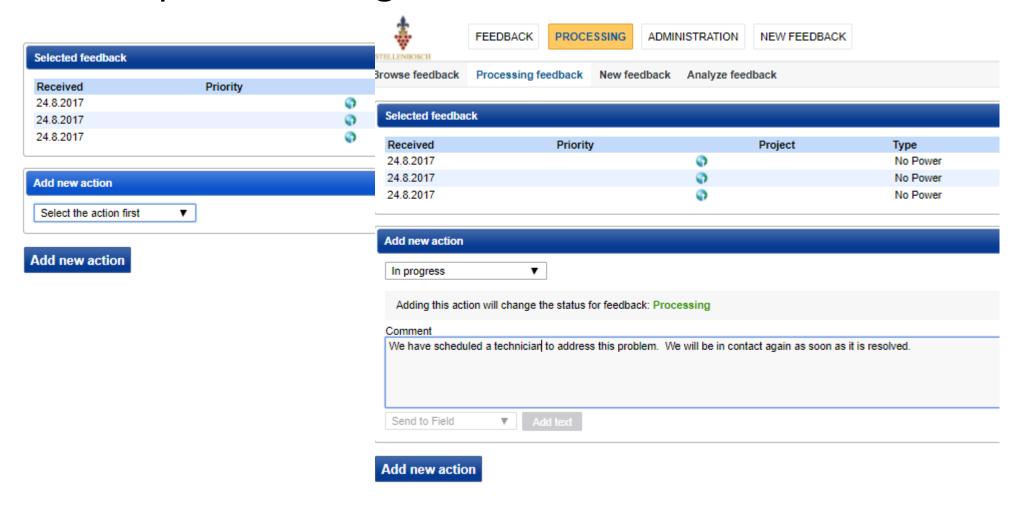
Do not reply to this message. This message was sent automatically from an address the inbox of which is not read.

Kind regards, Feedback service

• Step: Processing – Pick one or more issues



Step: Processing – Select an action



Step 5: Public get Informed of Process

Trimble Feedback Service - Your feedback has been replied to

Trimble Feedback Service < Feedback Service@tekla.com>

Sent: Thu 24-Aug-17 13:14 To: Wilhelm Herbst

Reply to your feedback:

Thank you for your feedback. The issue you brought to our attention has been resolved.

Sincerely, The City of X

http://optron.trimblefeedback.com/feedback/en/View/2920

Feedback type: Illeggal Street Vendors

Subject: Description:

I am reporting a problem for the purpose of the SARPA Convention

persentation

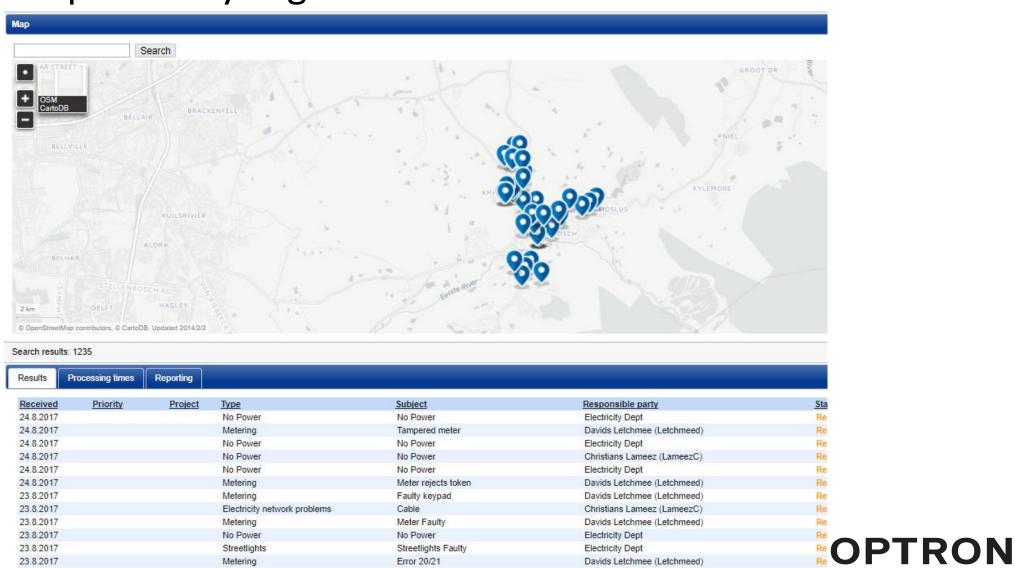
For more information on the matter, please contact customer service.

Do not reply to this message. This message was sent automatically from an address the inbox of which is not read.

Kind regards, Feedback service

Step 6: Analysing Feedback

No Power



No Power

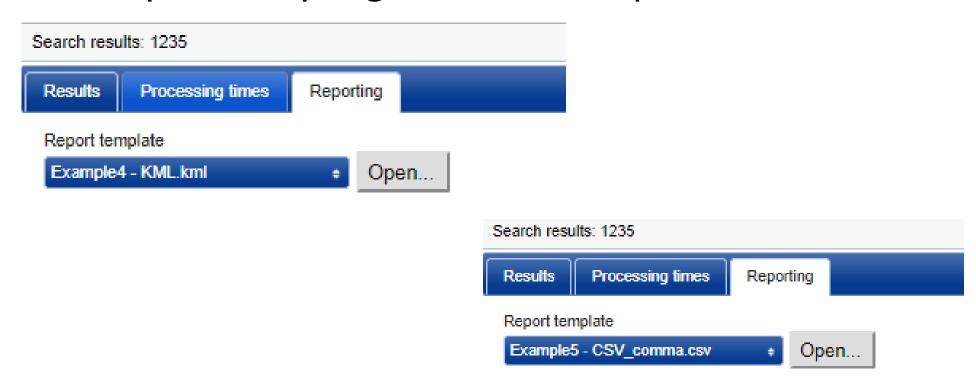
Electricity Dept

23.8.2017

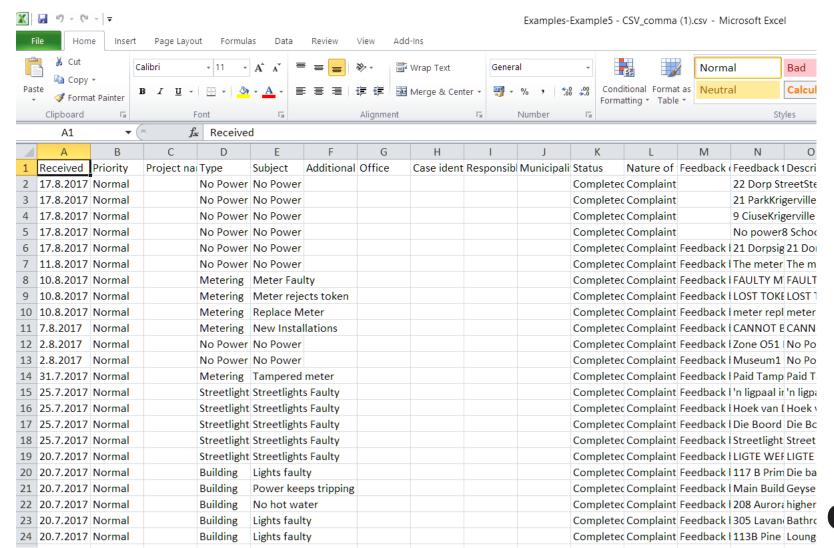
Step 6: Analysing – Processing Times

esults Processing times	Reporting			
rpe / Project	Subject	Total number	Average processing time	Median processing time
uilding	oubject	Total Hallipor	8 Days 19 Hours	0 Days 14 Hours
Juniong	0 - Unknown	40	49 Days 0 Hours	15 Days 23 Hours
	Plugs	3	0 Days 20 Hours	0 Days 23 Hours
	Lights faulty	8	0 Days 17 Hours	0 Days 6 Hours
	No hot water	1	0 Days 5 Hours	0 Days 5 Hours
	Faulty DB	1	1 Days 20 Hours	1 Days 20 Hours
	Power keeps tripping	1	0 Days 4 Hours	0 Days 4 Hours
lectricity network problems	Tower receps inppling	'	25 Days 9 Hours	25 Days 9 Hours
Electricity rictivors problems	Kiosk	1	27 Days 16 Hours	27 Days 16 Hours
	Cable	1	23 Days 16 Hours	23 Days 3 Hours
General Complaint	Cable	·	37 Days 19 Hours	26 Days 4 Hours
General Complaint	0 - Unknown	7	37 Days 19 Hours	26 Days 4 Hours
1etering	0 - Olikilowii	,	8 Days 19 Hours	6 Days 12 Hours
	Contactor faulty	1	23 Days 3 Hours	23 Days 3 Hours
	High consumption	3	16 Days 10 Hours	21 Days 4 Hours
	Blank Display	26	10 Days 15 Hours	6 Days 23 Hours
	Tampered meter	20	0 Days 2 Hours	0 Days 2 Hours
	New Installations	8	3 Days 16 Hours	3 Days 19 Hours
	Convertion	12	5 Days 16 Hours 5 Days 13 Hours	5 Days 19 Hours 5 Days 13 Hours
		12	·	•
	Temporary Supply	5	27 Days 4 Hours	27 Days 4 Hours
	Battery Faulty		15 Days 15 Hours	18 Days 22 Hours
	Meter/Electricity trips	2	0 Days 22 Hours	0 Days 22 Hours
	Meter on Call	·	7 Days 0 Hours	7 Days 0 Hours
	Meter display Spanner	2	0 Days 9 Hours	0 Days 9 Hours
	Meter Faulty	1	0 Days 0 Hours	0 Days 0 Hours
	Pre Approval New Connection	1	0 Days 1 Hours	0 Days 1 Hours
	Faulty keypad	12	10 Days 4 Hours	7 Days 10 Hours
	Meter rejects token	22	6 Days 17 Hours	5 Days 8 Hours
	Meter burnt	2	9 Days 0 Hours	9 Days 0 Hours
	Replace Meter	15	5 Days 2 Hours	5 Days 2 Hours
	Communication Problem	10	18 Days 19 Hours	6 Days 12 Hours
	Open Meter Box/DB	2	6 Days 12 Hours	6 Days 12 Hours
No Power			13 Days 17 Hours	4 Days 0 Hours
	0 - Unknown	58	35 Days 0 Hours	21 Days 0 Hours
	Reconnection	4	3 Days 11 Hours	4 Days 12 Hours
	Disconnection	2	3 Days 12 Hours	3 Days 12 Hours

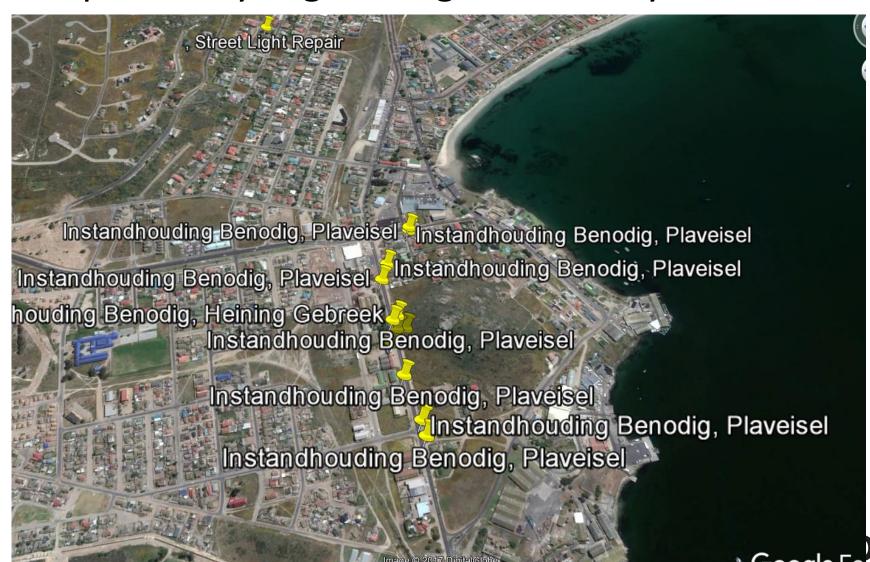
Step 6: Analysing – Generate reports



Step 6: Analysing – Generate reports - Excel



Step 6: Analysing – Google Earth or your GIS



Conclusion

No programming, you configure it your self, new categories etc!

Very easy to use!

The public stay informed

Management stay informed

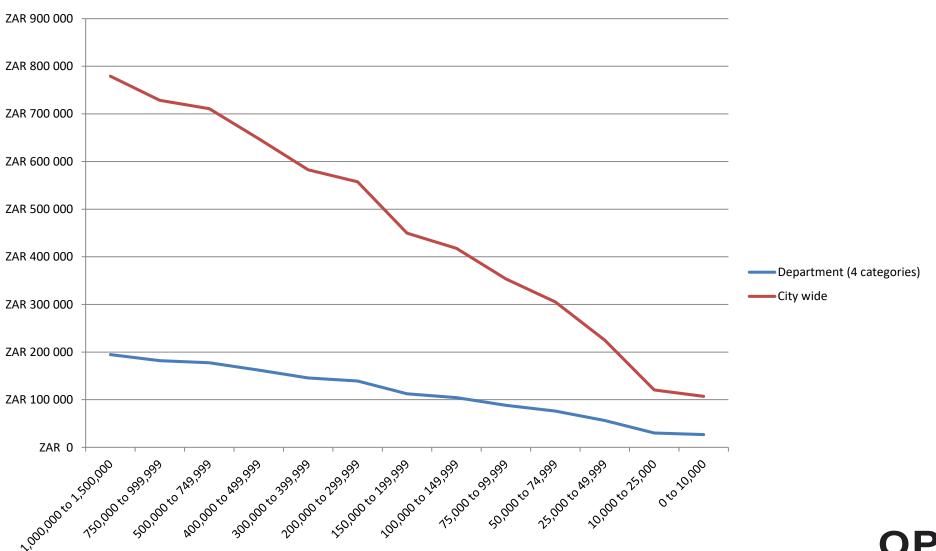
It can be integrated with your asset maintenance solution



Will this cost you millions?

- Software as a Service (SAAS), only pay while you use it, no maintenance fees always up to date
- Price based on population and Number of categories
- 100 000 people, 4 categories, R100 000 per annum
- 100 000 people, city wide, R350 000 per annum
- Cheap enough to test it!

Feedback Cost



Try it for yourself

Try it on your computer at

http://optron.trimblefeedback.com/feedback/

Or on your smart phone by downloading the demo app from

http://demo.trimblefeedback.com/en

Thank You!

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Phumla Ndala:

ndala@optron.com