

The Role and Future of Information Management & Technology in the Environmental Industry



The Program



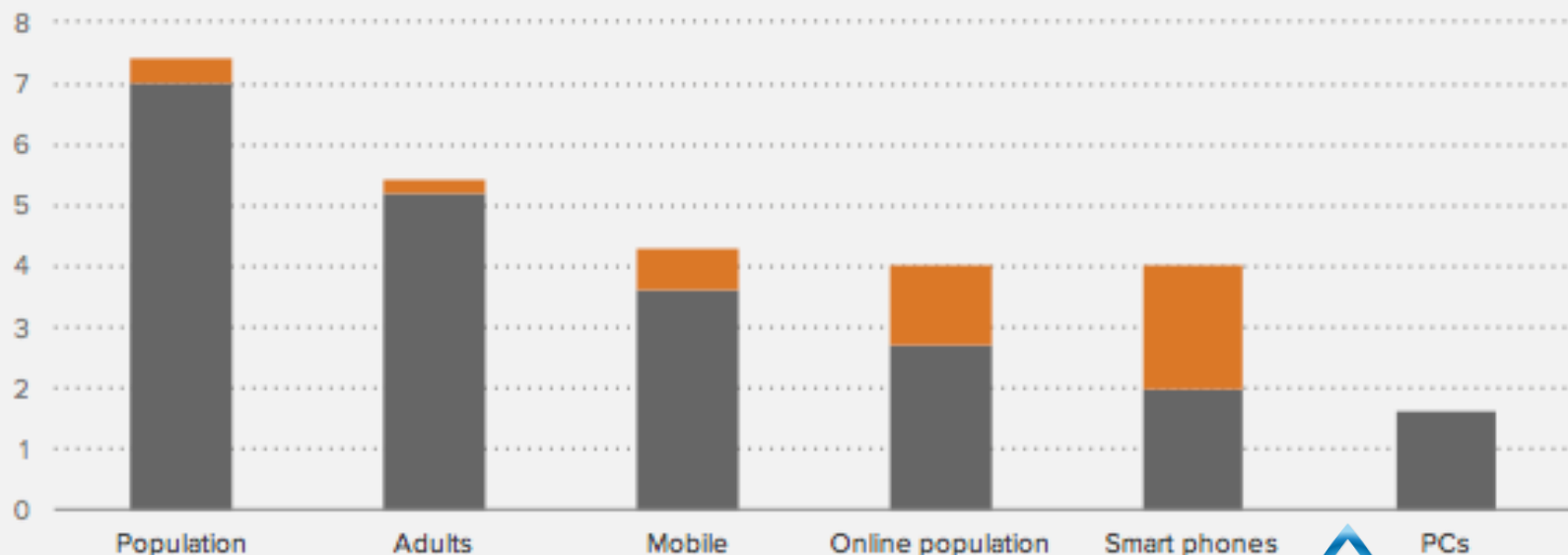
- The Connected World
- Redefining Data
- Modern Tech

The world in 2020

By 2020 80% of adults on earth will have a smartphone

Global population (bn)

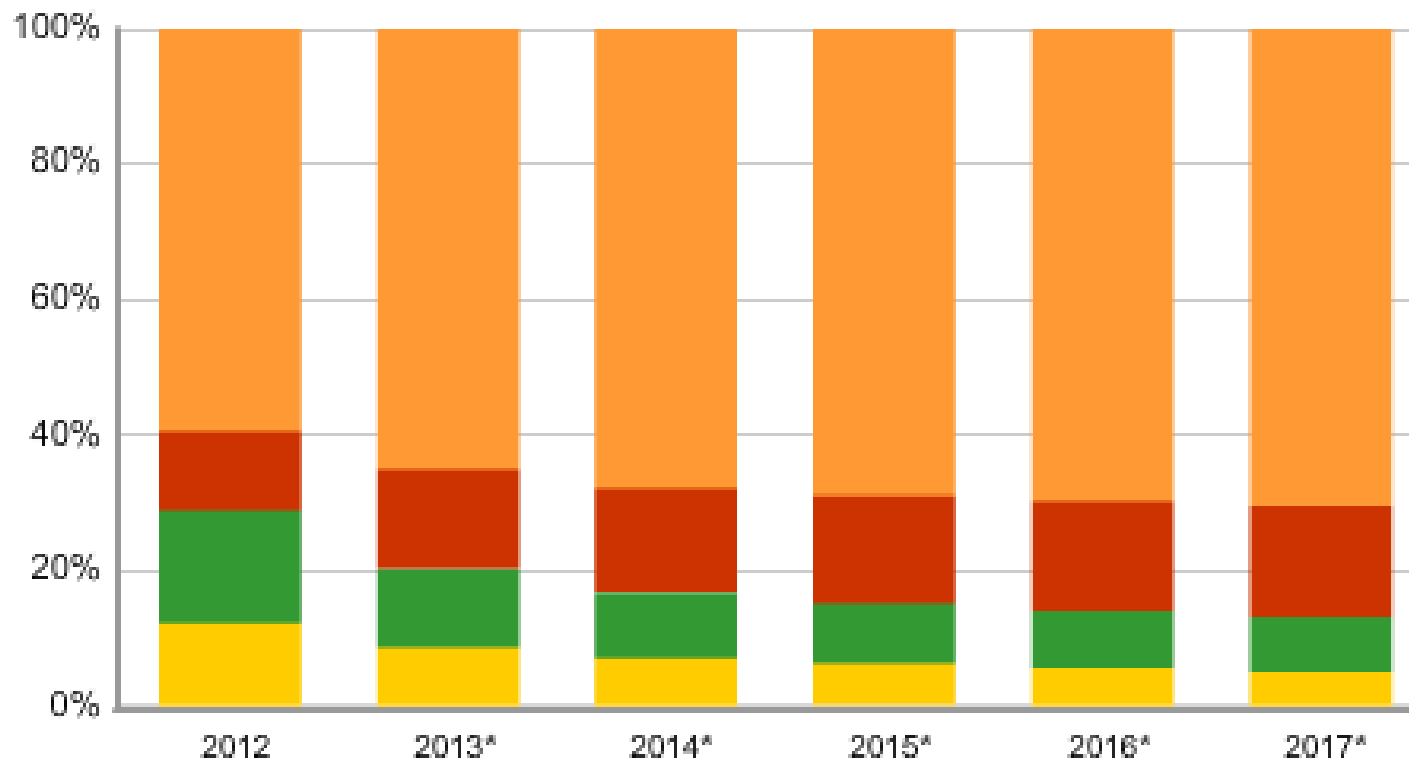
■ Growth to 2020
■ 2014

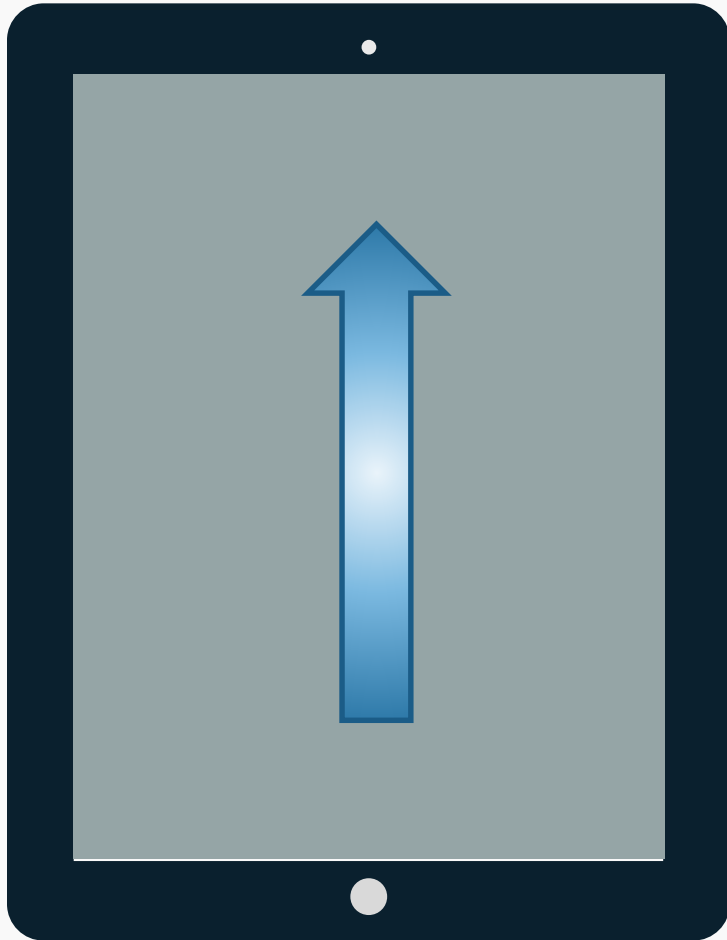


Worldwide Smart Connected Device Forecast*

Market Share by Product Category, 2012-2017

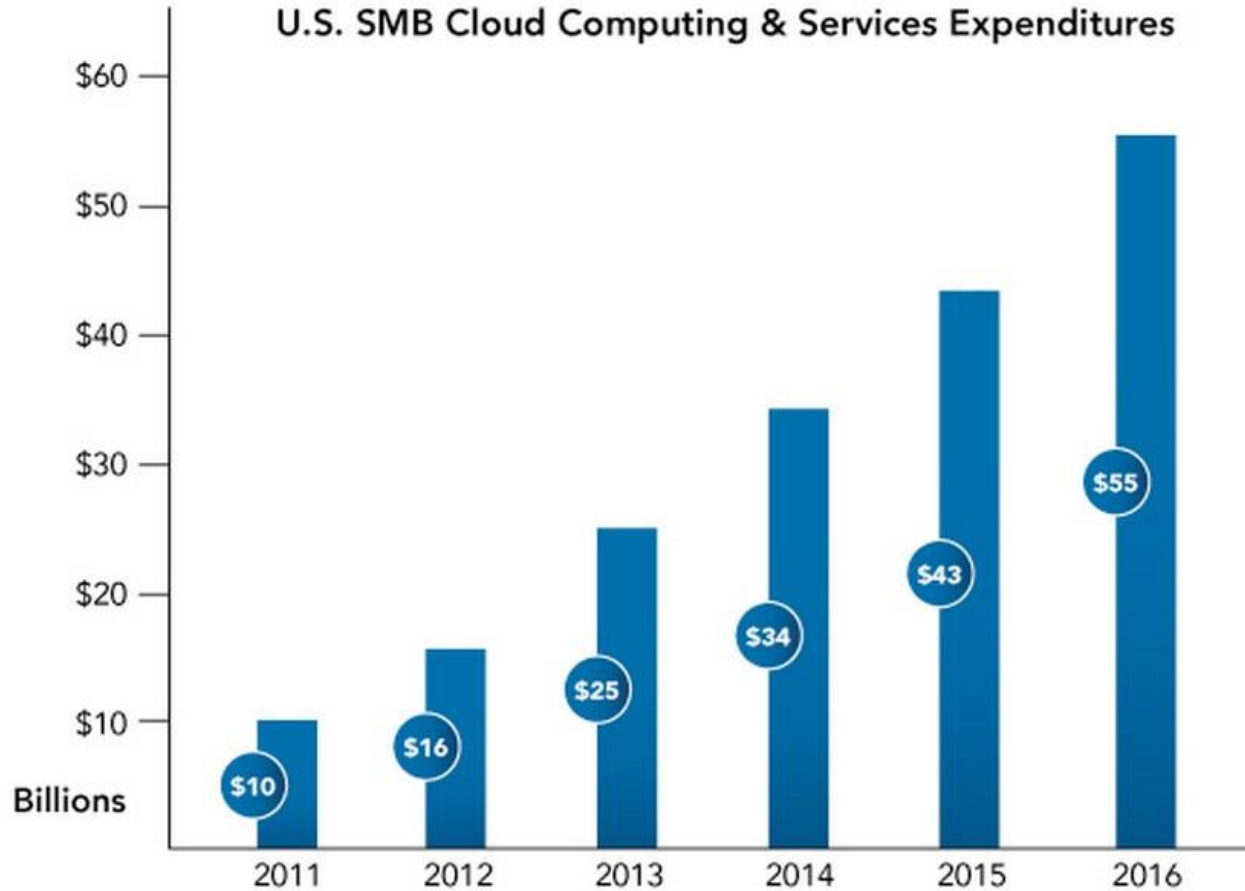
Desktop PC Portable PC Tablet Smartphone





20%
productivity

U.S. SMB Cloud Computing & Services Expenditures



Source: Compass Intelligence

Are you using
the Cloud
?



How is your business evolving?



Timeline of New Technologies Introduction and Inventive Activity in the ICT Industry.


400k



Source: CISCO 2015, Wikipedia

powered
by
DATA





DATA of all Types

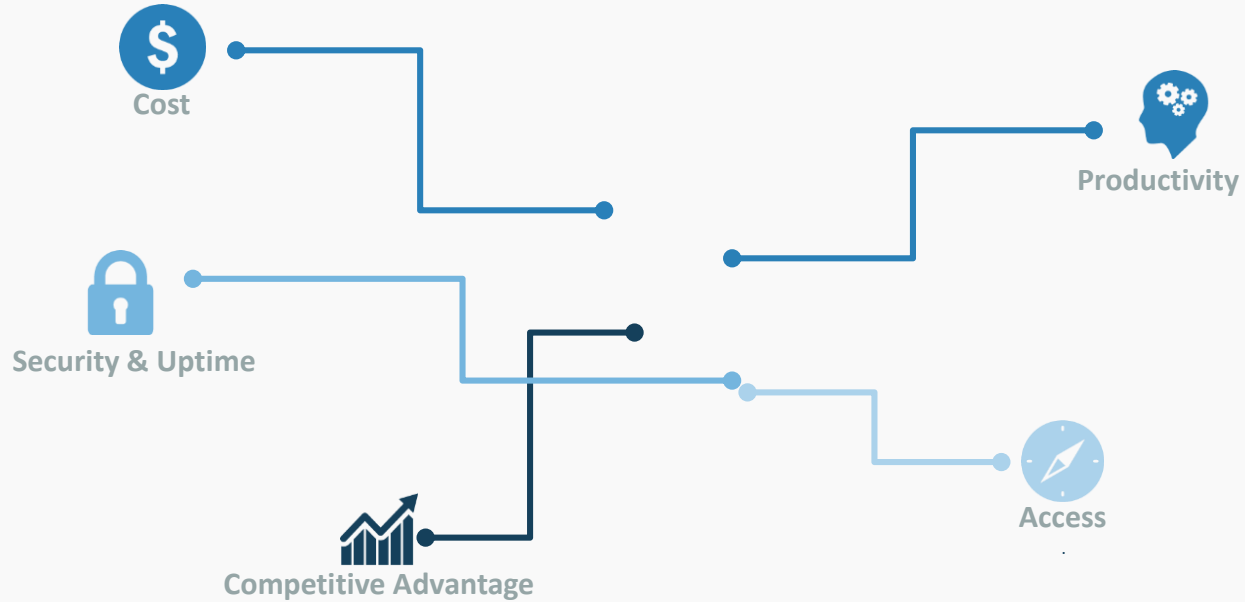


Sustainable
Elements



Start with Storage

5 Questions





On
Premise



What's your
recovery
time?

The background of the slide is a digital illustration of a futuristic floating city. A large, circular, metallic platform floats above a thick layer of white clouds. On top of the platform is a small cluster of modern skyscrapers. A long, cylindrical support structure extends from the platform down into the clouds. In the upper left corner, a large, pale, spherical moon is visible against a blue sky. Another smaller, similar floating platform is visible in the lower left corner. The entire scene is framed by a large, semi-transparent circular overlay.

THE CLOUD



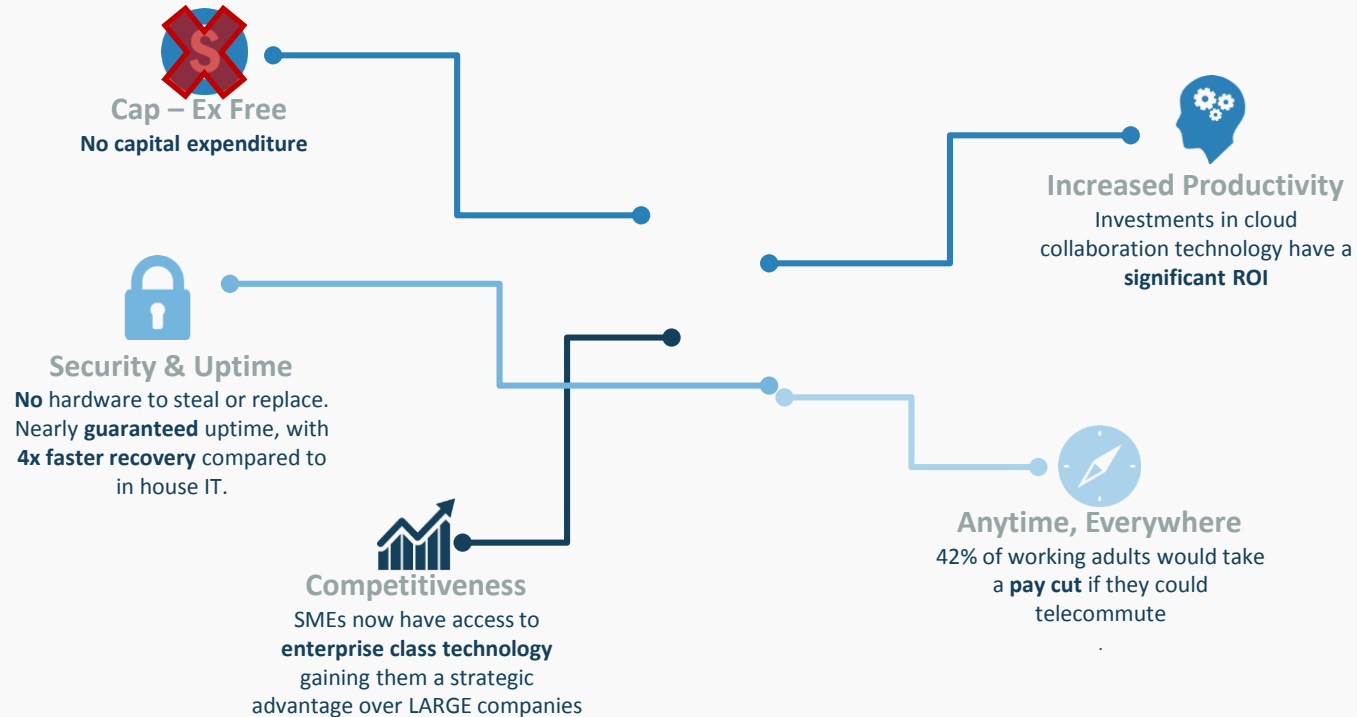
Does My Company Need the Cloud

MY REPORT COMES TO THE
CONCLUSION THAT CLOUD TECHNOLOGY
IS OF NO USE TO THIS COMPANY.
I'LL UPLOAD IT TO DROP BOX SO
YOU CAN TAKE A LOOK AT IT.



© D.Fletcher for CloudTweaks.com

5 Answers





Still not convinced

They are...

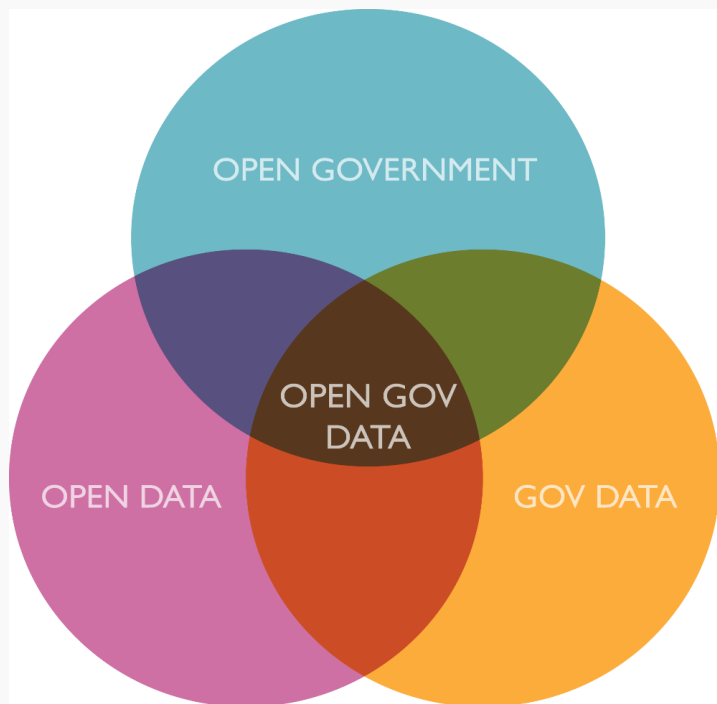


As well as 47 of the
top 50 Fortune 500
companies

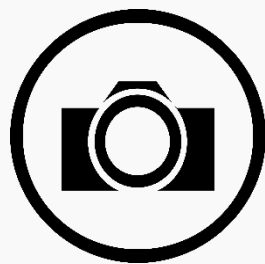


Data Sources

Your data



Open Data

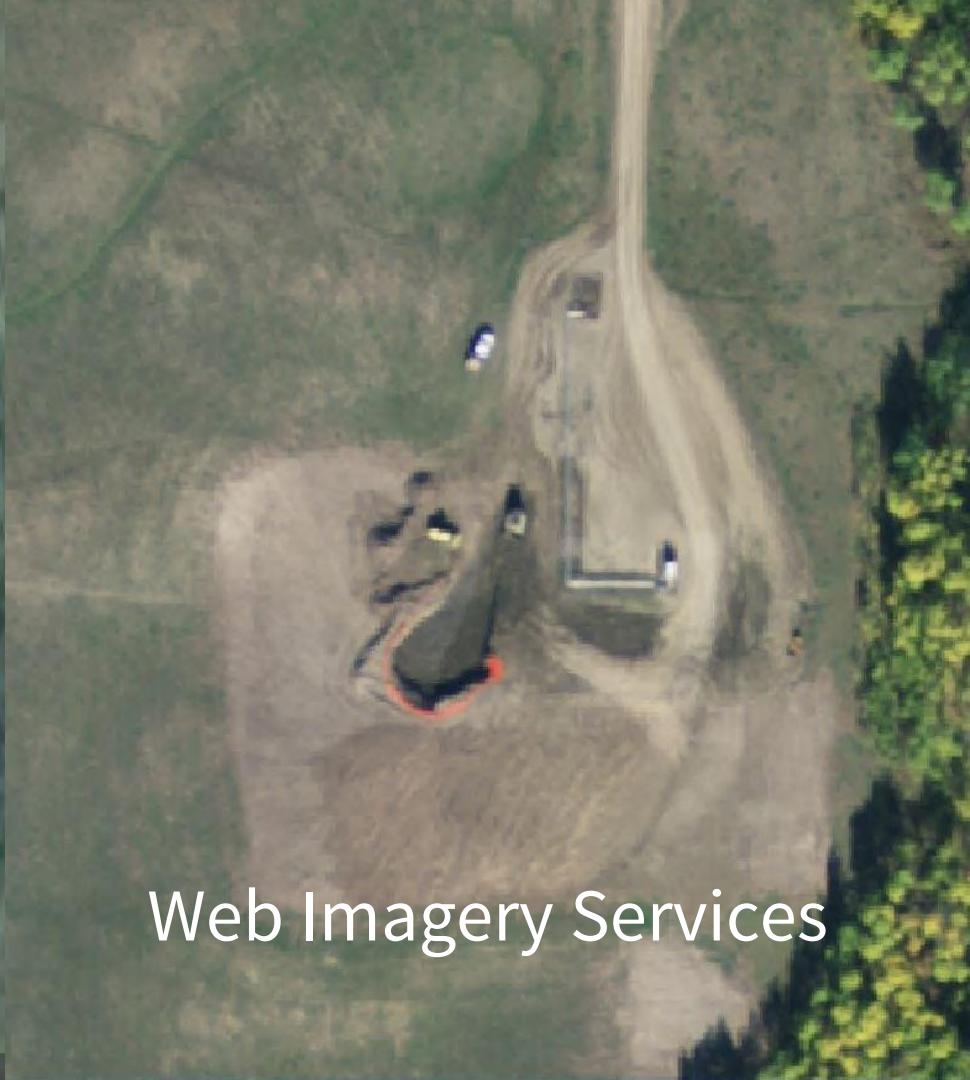


Imagery



Google Earth

© 2015 Enas/Spot Image



Web Imagery Services



Drones



Taken at
300ft
&
Up to 2km
Away



Taken by: Steve Altomare (flickr)

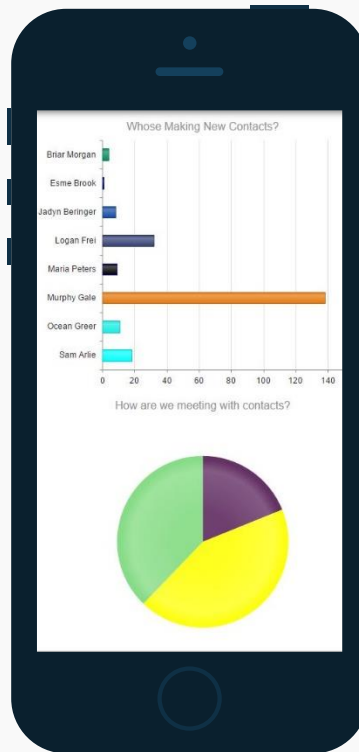
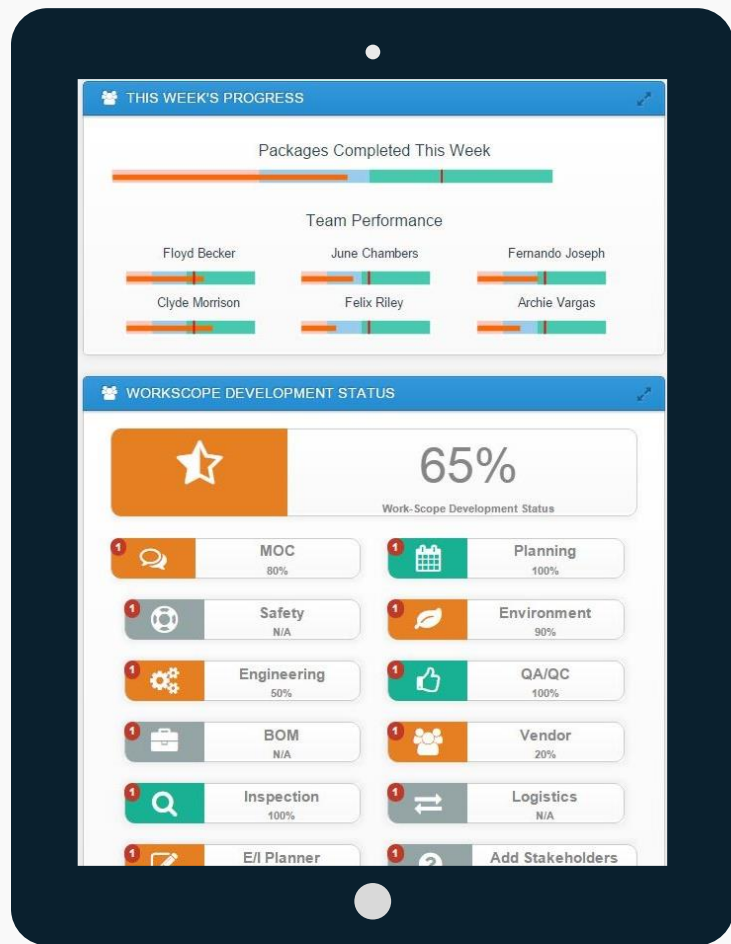
Nixie - a wearable drone



Winner of 2014 Intel award.



So my data is in the Cloud what can I do with it?



Analytical Results
SOPs & POPs
Client Management
Documents
Project Information
Spatial Information

Only
possible
with the
Cloud

Augmented
Reality

BC Oil and Gas Commission Summary

Oil and Gas Facility Summary

Search Summary

Oil and Gas Facilities Within 500m: 1

Oil and Gas Facilities Within 1km: 7

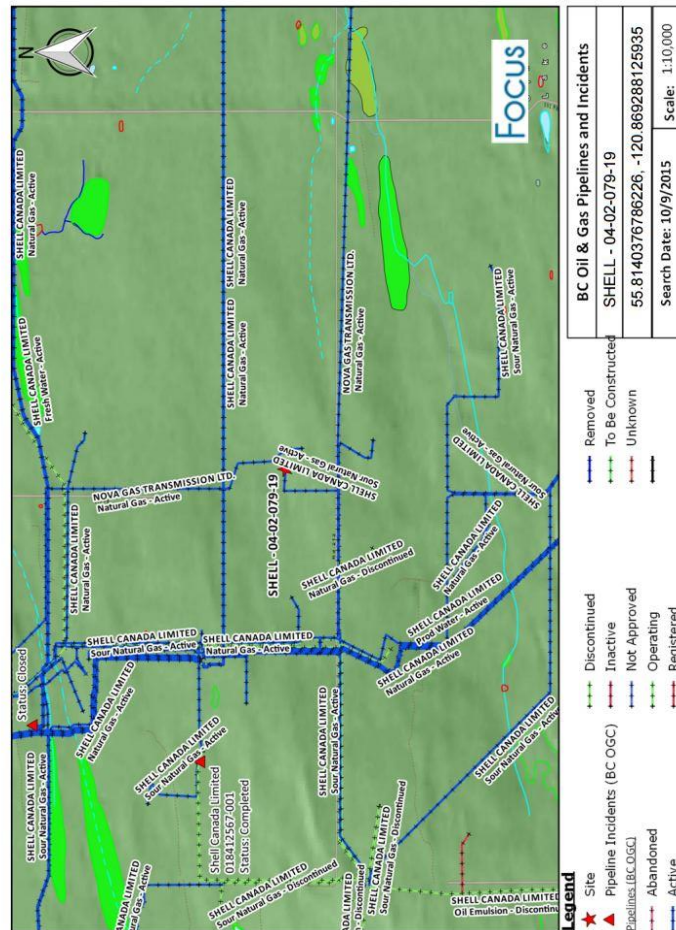
Facility	Class	Authorized	Terminated	Distance (m)
GROUND BIRCH 04-02-079-19	TF	12/7/2006	2/3/2007	195
GROUND BIRCH 13-34-078-19	TF	11/9/2006	2/3/2007	591
GROUND BIRCH 16-33-078-19	TF	10/17/2007	10/17/2007	668
GROUND BIRCH 02-03-079-19	TF	3/1/2006	3/4/2006	751
SHELL GROUND BIRCH 02-03-079-19	TF	1/1/2006	4/30/2006	751
SHELL GROUND BIRCH 15-33-078-19	TF	11/22/2005	6/14/2011	937
SHELL GROUND BIRCH 10-03-079-19	TF	10/24/2005	1/13/2006	970
GROUND BIRCH 06-03-079-19	TF	12/5/2008	12/8/2008	1,163
GROUND BIRCH 06-03-079-19	TF	11/22/2008	12/8/2008	1,163
SHELL GROUND BIRCH 11-03-079-19	B	11/19/2002	10/9/2003	1,306
SHELL GROUND BIRCH 11-03-079-19	TF	3/19/2007	6/14/2011	1,306
SHELL GROUND BIRCH 08-33-078-19	TF	9/27/2006	2/27/2011	1,444
GROUND BIRCH 08-33-078-19	TF	4/7/2008	4/30/2008	1,444
SHELL GROUND BIRCH 04-11-079-19	TF	12/8/2003	1/17/2004	1,454
SHELL GROUND BIRCH 06-34-078-19	TF	8/13/2004	10/7/2004	1,487
SHELL GROUND BIRCH 02-10-079-19	TF	12/28/2007	6/14/2011	1,624
SHELL GROUND BIRCH 13-33-078-19	TF	7/18/2003	10/12/2003	1,653
GROUND BIRCH 13-33-078-19	TF	12/6/2007	12/23/2007	1,653
SHELL GROUND BIRCH 07-34-078-19	TF	2/23/2006	5/17/2006	1,663
SHELL GROUND BIRCH 03-10-079-19	TF	3/8/2004	6/14/2011	1,845
GROUND BIRCH 13-03-079-19	TF	3/8/2008	4/25/2008	1,868
GROUND BIRCH 03-34-078-19	TF	2/26/2006	3/1/2006	1,880
SHELL GROUND BIRCH 07-10-079-19	B	3/1/1994	9/1/2002	1,994
SHELL GROUND BIRCH 16-32-078-19	B2	10/19/1999	No Information Available	2,036
SHELL GROUND BIRCH 16-32-078-19	TF	1/12/2005	2/11/2005	2,036
SHELL GROUND BIRCH 16-32-078-19	TF	7/15/2005	6/14/2011	2,036
SHELL GROUND BIRCH 05-33-078-19	TF	2/27/2002	6/14/2011	2,089
SHELL GROUND BIRCH 16-04-079-19	TF	8/20/2004	11/4/2004	2,219
SHELL GROUND BIRCH 13-27-078-19	TF	3/26/2004	7/5/2004	2,223
GROUND BIRCH 16-28-078-19	TF	2/25/2005	4/1/2005	2,245
GROUND BIRCH 15-27-078-19	TF	8/16/2006	9/4/2006	2,393

SHELL - 04-02-079-19

N/A

Report Created: 10/9/2015

DATA MAY NOT BE UP TO DATE - FOR DEMONSTRATION PURPOSES ONLY



Treaty Lands

0

Results Found

N/A

Distance to Nearest Result

Treaty Related Lands

0

Results Found

N/A

Distance to Nearest Result

Reserves

0

Results Found

N/A

Distance to Nearest Result

Elector Districts (2014)

1

Results Found

Within Boundary

Distance to Nearest Result

Data Sources: BC OGC, BC Data Distribution Service, IHS Suppleries (demo data)

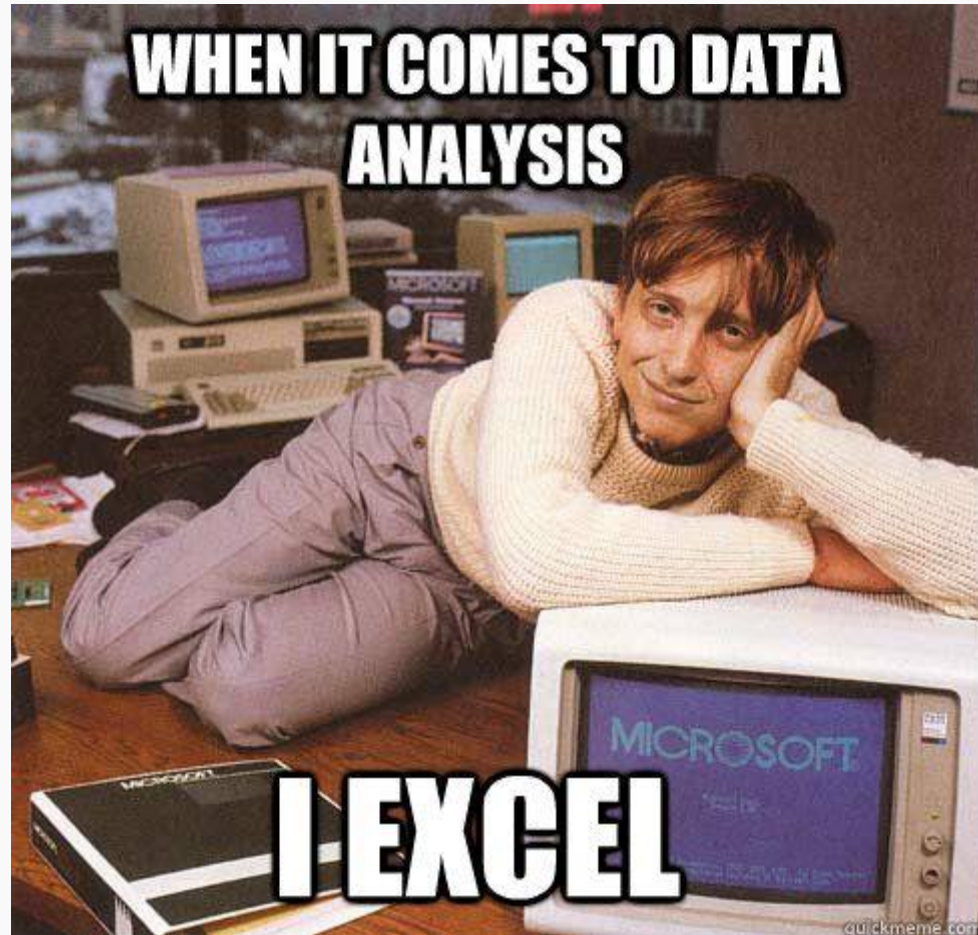


Sustainable
Elements

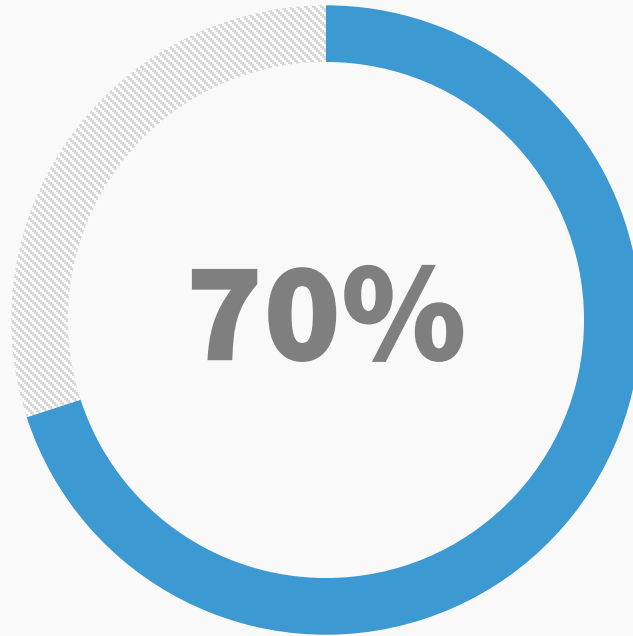
Focus



We can use Excel to manipulate the data, right?



Misuse of Excel



... “if it is your goal to maintain data integrity in a format that can be accessed by multiple users”...Don’t use Excel!

<https://support.office.com/en-za/article/Using-Access-or-Excel-to-manage-your-data-09576147-47d1-4c6f-9312-e825227fcaea>





Vulnerable to mistakes

Sorting = Data Corruption

Cannot be shared safely

Time consuming to manage

Slow searching

No relationships

No reliable automation

We decided to build
our dashboard in Excel.



You don't know the new
tools, so you decided
to spend lots of time
developing an inferior
product?



Intelligent Systems

Systems that bridge areas of your business in meaningful ways

01

Free data bound in reports

02

Bridge silos with
one data entry point

03

Eliminate monkey jobs

04

Increase Responsiveness

05

Total Quality

06

Historians in a time of change



Intelligent Systems

Manage | Plan | Analyze | Visualize | Map
Deliver | Collaborate | Predict



What's your plan?

How do you over the business to evolving?



Sustainable
Elements

Carlos da Ponte MEM|EP – Director & CEO

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FishPond

Client Management

Elements

Business Processes & Lab Data Management

Focus

Spatial Risk Analysis

Innovative Ideas + Technology = Your Business Optimized

www.sustainableelements.ca