



Sun Screen IT

for IGEL Secure - London

June 12th 2024 Ethical IT Asset Disposal – Simple, Sustainable, Awesome

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"NEVER DOLIBT THAT A SMALL GROUP OF THOUGHIFUL COMMITTED CITIZENS CAN CHANGE THE WORLD INDEED, IT'S THE ONLYTHING THAT EVER HAS." - MARGARET MEAD



MISSION

Objective 1: *Transform* IT Disposal from WASTE into a **TOTAL CIRCULAR ECONOMY**

Objective 2: Close the Digital Divide, sustainable IT Education – areas of economic need

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The old IT Charity Model







...we have unlocked a way for IT Industry to RIGHT this WRONG

"Platitude"

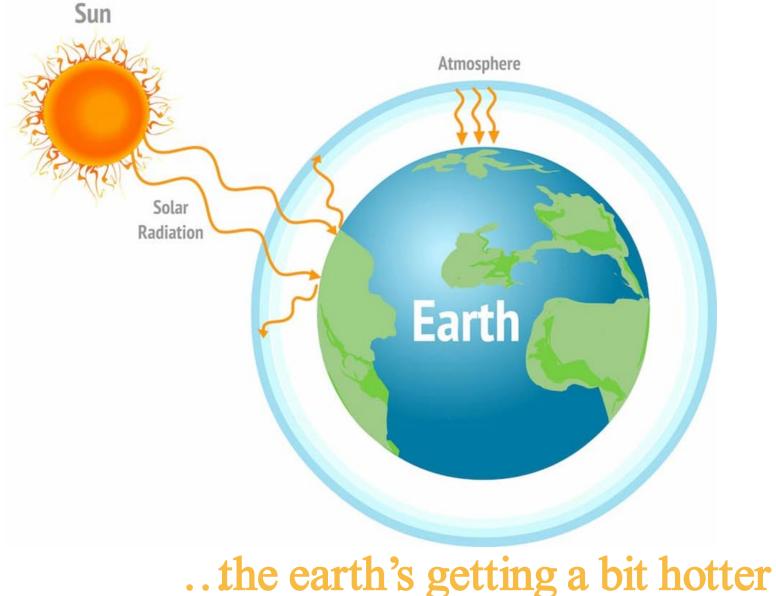
Definition:

- a remark or statement, especially one with a moral content, that has been **used too often** to be interesting or thoughtful.
- a flat, dull, or trite remark, especially one uttered as if it were fresh or profound.
- a banal, meaningless, or stale remark attempting to unify wisdom over a difficult topic

Examples:

"Global Warming" "Greenhouse effect"

The "Greenhouse effect"



"Green House Gases"

#CO2e Carbon Dioxide Emissions Absorb the Sun's heat...



Fairly simple when you look at it...

but.



"Green House Gases"

#CO2e Carbon Dioxide Emissions Absorb the Sun's heat...

BEFORE Industrial Revolution

... the blanket's getting thicker AFIER

Simple: Heat = Climate Crisis

CONSUMPTION

The greatest Threat



CIRCLE ECONOMY

In collaboration with:

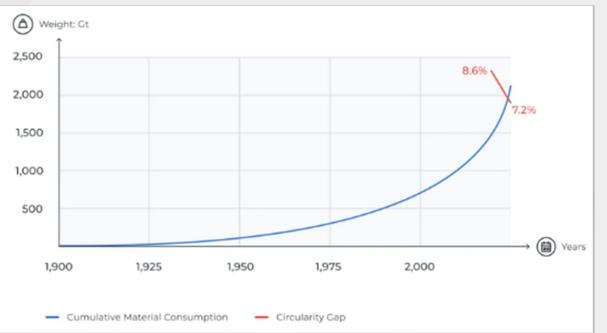
Deloitte.

Download the Circularity Gap Report 2024

CIRCULARITY

Our greatest Hope





28% of global consumption since 1900...

... was within last 6 years

Never before have we needed to act more swiftly

in support of UN SDG 12:

12: Responsible consumption and production - The Global Goals

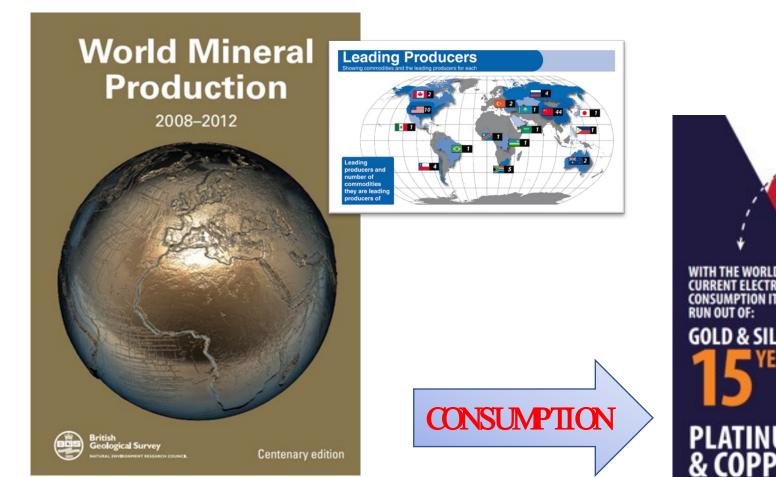
- 12.4 Waste Management Zero Landfill
- 12.5 Waste Generation Reduce Reuse Recycle
- 12.6 ESG Reporting Clarity & Fact-based
- 12.7 ESG lead Procurement Businesses have largest potential



THE

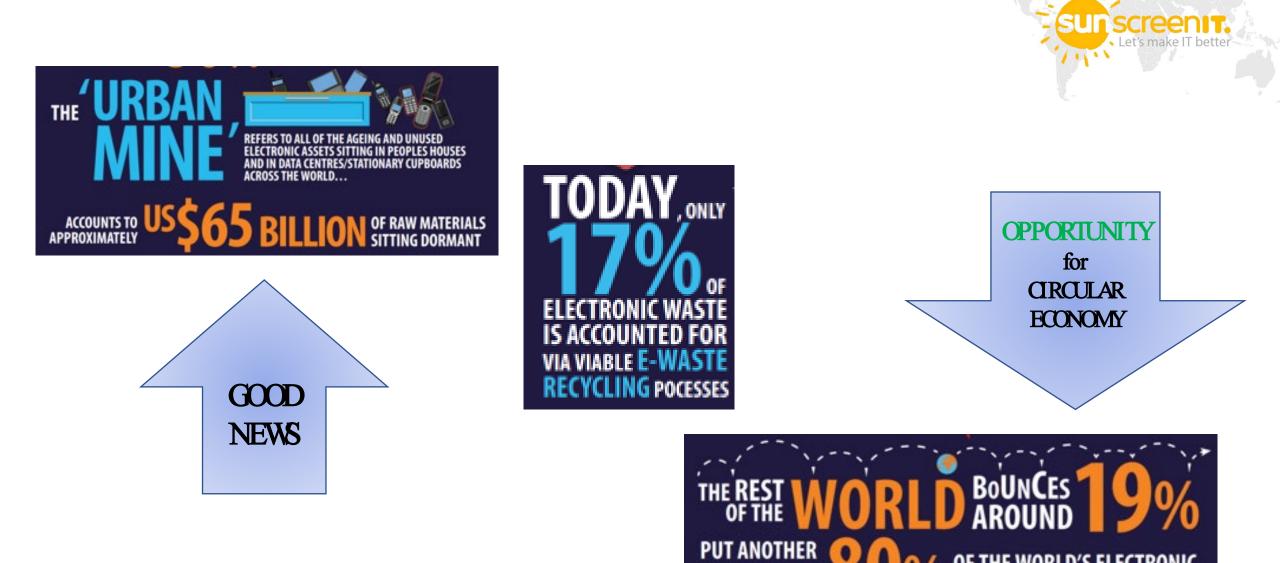
CIRCULARITY GAP REPORT

2024





SUISCREENIT



WAY, OVER

OF THE WORLD'S ELECTRONIC WASTE IS UNACCOUNTED FOR

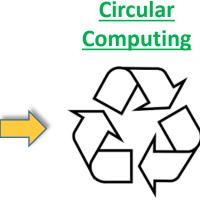


We **Disrupted ITAD** to enable **Global Change**

Simple, Sustainable, Awesome. (+ Globally Unique)







REVENUE from

Refurb, resale, or

Recylce Services

ADVISORY

Increase

RE-USE

Donating <u>100%</u> profit to <u>Sun Screen IT</u> <u>Foundation Charity</u>

100%

Donation

THIN CLIENT EUC Teaching VOLUNTEERS IT Tech Volunteers from





Children leave School with the skills to build themselves & their communities out of poverty PERMANENTLY.

How awesome is that?!

GLOBAL IT Asset Disposal Services for ENTERPRISE

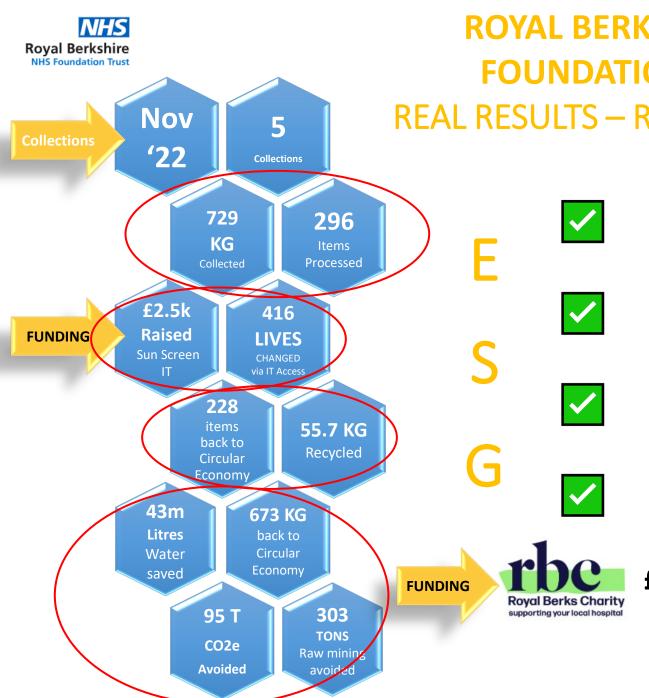
Mainframe to Mouse DATA DISPOSAL FCA/PRA MOD DOD level Tracking, Shredding, Certificating

SECURE

Transform IT e-waste into a Circular Economy

CLOSE Digital Divide





ROYAL BERKSHIRE NHS FOUNDATION TRUST **REAL RESULTS – REAL OUTCOMES**



Supporting UN's Sustainable Dev Goals Reducing Carbon, Water, & Energy Funding Life-changing Charities

Assuring E-Waste away from Landfill

£1543 raised for Royal Berks NHS Charity





...All the air in our entire atmosphere

437 T

CO2e

Saved

Real CHANGE

2.9BN Without WWW_{95%} 1.99BN School age

998m NOICT In school



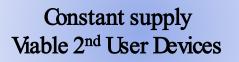




Giving 998m pupils a new Device Ecological DISASTER. IT doesn't have to be that way ...because..?











BUSINESSES

What can you do?

..It only takes <u>one Voice</u> in an organisation..

To Ask: "Where does all our IT stuff go?"

Good Answer?

Please speak to us.



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UK Premiere "ITSPIRACY"

London: Weds 12th June 2024

Filmed on location from UK, Nepal, & Ghana, West Africa

IT Disposal – The most overlooked part of the Supply Chain

- The dark side of IT e-waste on the Digital Divide & Planet
- Circularity & IT processing in Europe
- Innovations & step changes with ethical IT Asset Disposal & Recycling
- Digital Divide Sustainable IT Education access in areas of economic need

A united, committed, alliance – Taking Action to address IT's Global Impact







The authentic delivery of ESG across **BOTH** Business and Charitable activities.

Appendices

Closing the Divide: Real lives, changed..



UK

IGELOS

Chelea "Amazing - It's a new skill for me and I can put it on my CV."

"a lot of these young women don't have access to IT at home"



Francess – Sierra Leone

New IT skills – now working at "2 Young Lives" – Mentoring young mothers on building brighter futures



Abdul " I want to do Social work for the less privileged because someone helped me when I was in need".

Marion No access before our deployment 2020 Now employed in Banking





"We use computers to learn , to connect to the World"



"It will help the kids to learn – it's amazing"





Outcomes Sierra Leone...

Sierra Leone – West Africa

- ✓ Sustainable Thin Client IT Access
- ✓ Over 2,000 local pupils per year
- ✓ Young adults Vocational Training
- ✓ Micro-Revenue for host school via night classes

















IT Lab Donation - Nepal FY23

Shri Amar Jyoti School, Syangja, Pokhara.

High in the hills south of Pokhara, in the shadow of the Annapurna Himalayas – pupils cannot travel to reach Digital Hubs – but are now equipped with IT Education for a brighter future:

- 400 Pupils in rural Nepal
- Sustainable Thin-Client IT Lab delivered
- In Partnership with EduTech Nepal





IT Lab Donation – Ghana 2024

Presbyterian Junior High School – Akropong, West Africa

- 1800 Pupils (600 Junior, 1200 Primary) over 5 years
- Sustainable Thin-Client IT Lab delivered
- IT Lab & 6 Classrooms connected via Wide-Area Wi-Fi
- Delivered with volunteers from Cutter Group





Manufacture 1 PC

190,000

Litres

WATER

2 Tonnes

MNING

400kg

CARBON

60.8 Trillion Litres pa

350 Million Tonnes pa

140 Million Tonnes pa

Global Desktop Production 320m-360m pa

CONSUMPTION

Jubilee Mine - SA 6,500 tonnes of copper Dillon Marsh

Just one Tonne of CO2e

"Preventing emissions is orders of magnitude easier than trying to fix the problem afterwards."

"Behind me you can see the volume of 1 tonne of CO2 at atmospheric pressure."

"It's enormous.

In a few hours long flight, we can often emit that amount (per passenger!!).

However, to remove that much CO2 from the atmosphere for example, with #DACCS (direct air capture and storage), you need to pump that much air 35,000 (thirty-five thousand) times through a 20% efficient device."

Avoiding CO2e is far preferable....



The most sustainable energy and material is the energy and material we never needed

Diana URGE-VORSATZ · 3rd

Professor, Vice Chair of the IPCC, Director at Center for Climate Change and Sustainable Energy Policy, Central European University



ITAD Recycling metrics

1.61%



	Asset Count Not fit	Total Non-	Non-Useable	Non-Useable
Asset Type	for Refurbish into	Refurbished	Recovered	Recovered Material
	Circular Economy	KG	Material %age	Weight KG
TABLET	1	0.77	7.00%	0.0539
DESKTOP	22	121.68	2.00%	2.4336
LAPTOP	29	50.43	2.00%	1.0086
HDD	63	43.90	3.00%	1.317
SSD	86	24.73	3.00%	0.7419
ALL-IN-ONE DESKTOP	114	875.85	4.00%	35.034
Internal SSD	117	7.41	4.50%	0.33345
Grand Total	432	1124.77		40.92245

%age non-usable from all collected items (2,542.23 kg)

Important Factors:

- Strict R2 & AATF Laws ensures:
- ZERO land-fill Assurance
- Of entire 2.542 tonnes Collected

1.61% Non-Useable 40.9kg – Waste

- 100% Hazardous Waste avoided

Highest Weight Items Recycled:

- Desk Phones
- Network Devices
- Desktops
- Printers
- Monitors
- HDD
- Laptops
- Printers



Observations & Advisory *Continual Improvement for your ITAD Service*



Grade of your Equipment – Optimising Residual Value

- Grades A,B,C = Resold into Circular Economy
 - COST REDUCTION
 - ENVIRONMENTAL WIN CO2e, H2O, Raw Mining
- However 71% Non-Refurbished
 - INCREASING YOUR COST
 - Missing the environmental opportunity

Asset Type	Re-Sold into Circular Economy (Grades A,B,C)	Recycled	Totals
TABLET		1	1
COMPUTER COMPONENT	2		2
DESKTOP	13	22	35
LAPTOP	25	29	54
HDD		63	63
SSD		86	86
Internal SSD		117	117
ALL-IN-ONE DESKTOP	139	114	253
Sub Total	179	432	611
Percentage	29.30%	70.70%	



3 Recommendations – Buying & Retiring Kit to maximise Residual Value

- 1. Ask us how to optimise ITAD collections & storage to decrease damage and MAXIMISE sale returns
- 2. What is the strategy for lifecycle of each item? 2/3/5 years?
 - Ask us for a *Residual Value Appraisal for your <u>entire</u> Infrastructure*
- 3. Have you considered Cost reduction, buying Refurbished IT from us?
 - Many items are now available as 2nd User achieving both COST and ENVIRONMENTAL improvements



EDUCATION is the most POWERFUL weapon you can use to change the WORLD

- Nelson Mandela -