



Carbon Emissions Statement 2012

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Measure Carbon Footprint

Offices, Fuel & Energy

For the offices, fuel and energy consumption we have chosen the self-assessment small business tool located on www.carbonfootprint.com.

Each office is listed separately as prices differ per region. Vehicles and transport are not included in Cyprus or Switzerland as no vehicles are required for transporting staff.

All flights have been registered individually and have included the DEFRA additional radiative forcing factor of 1.9 [1]

Office	Building	Bus Rail	Car & Van	Flights	Vehicle	Total	
Switzerland	2.60	0.00	0.00	2.74	0.00	5.35	
Cyprus	5.20	0.00	0.00	3.67	0.00	8.87	
USA	5.2	9.76	0.00	4.61	0.00	19.57	
TOTAL							33.79

Offshore Sales, Support & Development

There are approximately 30 laptops in use across all of the satellite locations in the USA, Switzerland, Germany, Cyprus, Russia, Kyrgyzstan and India. Laptops have been calculated at DELL figure of 350k per 4 years [1]. The US Figure has been used as the higher figure as a per country figure is not available. Therefore the figure per laptop per year is 87.5 K per year.

In Tons this gives a total of 2.62

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Data Centres

To analyze the cost of the data centres we have chosen the calculator located on Logicalis site specifically designed for data centre calculation. [3]

Data Centre	Servers	Devices	Total ilbs	Total Ton
San-Antonio	4	6	37,089.84	
Dallas	7	12	67,784.88	
Manassas	4	6	37,089.84	
TOTAL			141,964.56	64.394

Total Footprint

Category	Amount CO2
Offices, Fuel & Energy	33.790
Offshore Sales, Support & Development	2.620
Data Centres	64.394
	100.804

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Carbon Reduction

Continue existing policies

- VoIP to inter office communication
- VoIP & WebEx to manage subcontractors
- Utilise WebEx for international demonstrations

Explore new initiatives

In the year 2012-2013 we need to explore new initiative policies to reduce carbon emissions.

- Develop a full video electronic training suite to reduce further the recruitment of onsite training.
- Explore sourcing green electricity.
- If we can improve the product in TCPS we will be able to deliver the same TCPS on the datacentre products for less IT cost and therefore less CO2.
- Consider methods of reducing consumables such as printed materials to cut down on the transported items.
- Enter dialog with data centre re carbon footprint and their policies
- Consider Economy for longer flights as it has been proved Economy utilises less carbon per person.

Carbon Offset

Each individual office has been offset separately.

Office	Carbon offset tons	Program
Switzerland	5.341	www.carbonfootprint.com
Cyprus	8.866	www.carbonfootprint.com
USA	19.57	www.carbonfootprint.com
Total	33.777	

Carbon Neutrality

Tel-Lingua has offset approximately one third of the total footprint of the operation.

Carbon Emissions Statement 2012

References

1. <http://www.carbonfootprint.com/calculatorfaqs.html>
2. <http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-laptop-carbon-footprint-whitepaper.pdf>
3. <http://www.us.logicalis.com/tools/it-carbon--power-consumption.aspx>

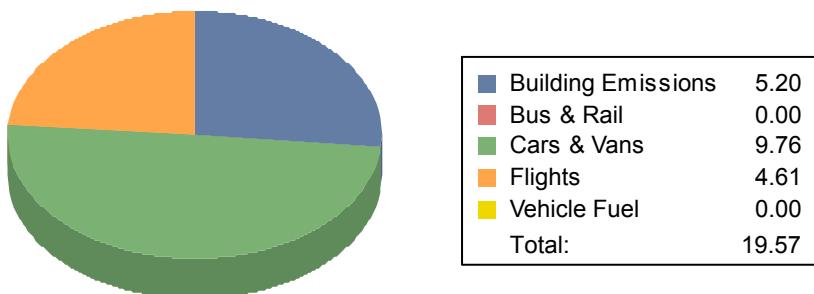


Self Assessment Carbon Footprint Results For Tel-Lingua (US)

Executive Summary

Company name	Tel-Lingua (US)
Data completed by	Andrew Mangold
No of employees	2
Data period	1 July 2011 to 31 July 2012

Total carbon footprint is 19.57 tonnes CO₂



Disclaimer

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A carbon footprint is made up of the sum of two parts, the direct / primary footprint and the indirect / secondary footprint.

1. The **primary footprint** is a measure of our direct emissions of CO₂ from the burning of fossil fuels including domestic energy consumption and transportation (e.g. car and plane).
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For businesses, the assessment focuses on the primary footprint, as this is something that the organisation will have direct control of.

We ask companies to recognise that there is a secondary footprint though and select suppliers based on their environmental credentials, as well as price and performance.

How is the carbon footprint calculated?

This calculation of your Company's carbon footprint has been made through a combination of datasets, entered on-line.

The calculation uses metrics developed by the UK Department for Environment, Food and Rural Affairs (DEFRA) and other intentionally recognised sources.

The primary carbon footprint calculation includes

- Fuel usage for heating, cooking and powering electrical equipment
- Passenger transportation, including Car, Rail and Air Flights made for business activities
- Freight transportation, including Road, Rail, Air and Shipping (if applicable)
- Process related green house gas emissions



Why is it important?

Over the past two decades the effect of climate change has become more marked. Considerable evidence exists that most of this warming has been caused by human activities. That is to say we have altered the chemical composition of the atmosphere through a build up of greenhouse gases - primarily carbon dioxide, methane, and nitrous oxide.

What if we do nothing? Rising global temperatures will cause sea level to rise and alter local climate conditions, affecting forests, crop yields, and water supplies. It will affect human health, animals, and many types of ecosystems. Deserts may expand and some of our countryside may be permanently altered.

The carbon footprint assessment will enable your business to

- Report on greenhouse gas (GHG) emission performance
- Set targets to reduce emissions
- Make supply chain selection based on environmental factors
- Achieve cost savings through managing resources and implementing good environmental practice
- Generate great PR through communicating your environmental successes
- Improve reputation with customers and potential customers
- Broaden market opportunities by differentiating your products and brands
- Raise staff morale and attract high-calibre employees
- Attract ethical investors
- Be prepared for future legislative changes

Summary of Data Supplied



Building Emissions

Tonnes of CO₂	Energy Type
5.20	Estimate of building's footprint for 2 employees
5.20	Total building emissions footprint

Flights

Tonnes of CO₂	Flight Details
0.75	5 x Economy class direct return flight from SAT to DFW
3.86	5 x Economy class direct return flight from SAT to PIT
4.61	Total footprint for flights

Cars & Vans

Tonnes of CO₂	Car & Van Details
9.76	20000 miles in a USA 2008 SATURN SKY 2, Auto(L5)
9.76	Total footprint for cars & vans

Vehicle Fuel

Tonnes of CO₂	Fuel Details
0.00	(no data supplied)
0.00	Total footprint for vehicle fuel

Bus & Rail

Tonnes of CO₂	Mode Of Transport
0.00	(no data supplied)
0.00	Total bus & rail footprint



Recommendations

- The results reported have been calculated automatically, using DEFRA and other internationally recognised metrics. Datasets have been entered entirely by the client and no checking has been made by Carbon Footprint Ltd as to the validity or completeness of these data. We strongly recommend that datasets should be verified by a qualified environmental consultant, to confirm validity of your results. We recommend that a full green house gas emission assessment should now be undertaken and that the Green-House Gas (GHG) protocol for Corporate Emissions reporting is followed / alignment with international standards such as ISO14064 is made.
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Offers

Carbon Footprint offers a 5% discount on the price of environmental consultancy services for projects commissioned within 30 days of completion of this calculation.

Sources / References

The calculations for primary emissions are based on conversion factors sourced from

- Department for Environment, Food and Rural Affairs (DEFRA) - UK
- World Resource Institute (WRI) Greenhouse Gas (GHG) Protocol
- Vehicle Certification Agency (VCA) - UK
- US Environmental Protection Agency (EPA) - USA
- US Department of Energy (DOE) - USA
- Green House Office - Australia
- Standards Association (CSA) GHG Registries - Canada



This certificate acknowledges that

Tel-Lingua (US)

offset

19.57 tonnes

of carbon dioxide emissions

through supporting projects around the world, which reduce carbon emissions through the displacement of fossil fuels through clean / renewable energy generation

helping to combat climate change

and sustaining our environment for future generations

2 August 2012

John Buckley, Managing Director

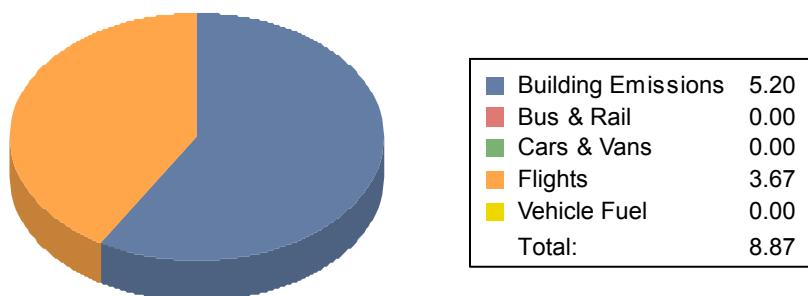


Self Assessment Carbon Footprint Results For Tel-Lingua (Cyprus)

Executive Summary

Company name	Tel-Lingua (Cyprus)
Data completed by	Robin Jackson
No of employees	2
Data period	(not specified)

Total carbon footprint is 8.87 tonnes CO₂



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How is the carbon footprint calculated?

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Why is it important?

Over the past two decades the effect of climate change has become more marked. Considerable evidence exists that most of this warming has been caused by human activities. That is to say we have altered the chemical composition of the atmosphere through a build up of greenhouse gases - primarily carbon dioxide, methane, and nitrous oxide.

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Summary of Data Supplied



Building Emissions

Tonnes of CO₂	Energy Type
5.20	Estimate of building's footprint for 2 employees
5.20	Total building emissions footprint

Flights

Tonnes of CO₂	Flight Details
1.21	Economy class direct return flight from PFO to LHR
2.09	Economy class direct return flight from LHR to ORD
0.37	Economy class direct return flight from ORD to ATL
3.67	Total footprint for flights

Cars & Vans

Tonnes of CO₂	Car & Van Details
0.00	(no data supplied)
0.00	Total footprint for cars & vans

Vehicle Fuel

Tonnes of CO₂	Fuel Details
0.00	(no data supplied)
0.00	Total footprint for vehicle fuel

Bus & Rail

Tonnes of CO₂	Mode Of Transport
0.00	(no data supplied)
0.00	Total bus & rail footprint



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This certificate acknowledges that

TeleDynamicX Ltd (Cyprus)

offset

8.866 tonnes

of carbon dioxide emissions

through supporting Clean Development Mechanism projects

that have generated Certified Emission Reduction (CER) credits.

These projects are fully verified to Kyoto / United Nations standards.

3 August 2012

A handwritten signature in blue ink, appearing to read "John Buckley".

John Buckley, Managing Director

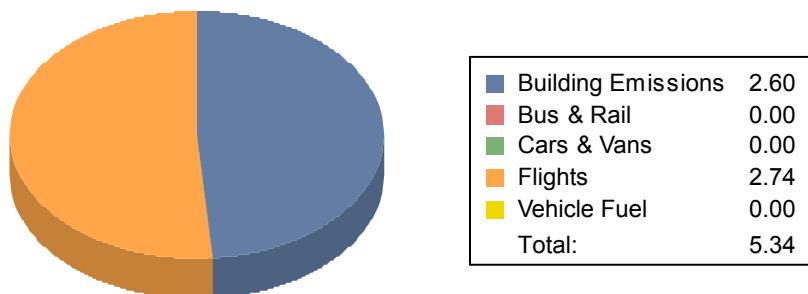


Self Assessment Carbon Footprint Results For Tel-Lingua (Switzerland)

Executive Summary

Company name	Tel-Lingua (Switzerland)
Data completed by	Gavin Jackson
No of employees	1
Data period	1 July 2012 to 31 July 2012

Total carbon footprint is 5.34 tonnes CO₂



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Summary of Data Supplied



Building Emissions

Tonnes of CO₂	Energy Type
2.60	Estimate of building's footprint for one person
2.60	Total building emissions footprint

Flights

Tonnes of CO₂	Flight Details
0.28	Economy class direct return flight from GVA to LHR
2.09	Economy class direct return flight from LHR to ORD
0.37	Economy class direct return flight from ORD to ATL
2.74	Total footprint for flights

Cars & Vans

Tonnes of CO₂	Car & Van Details
0.00	(no data supplied)
0.00	Total footprint for cars & vans

Vehicle Fuel

Tonnes of CO₂	Fuel Details
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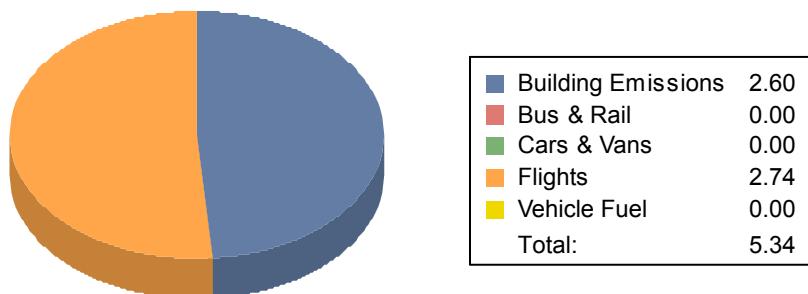


Self Assessment Carbon Footprint Results For TeleDynamicX Ltd (Switzerland)

Executive Summary

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Data completed by	Gavin Jackson
No of employees	1
Data period	1 July 2012 to 31 July 2012

Total carbon footprint is 5.34 tonnes CO₂



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