

Integra buildings limited are committed to the environment and take Climate change seriously in accordance with the Paris Climate Agreement and the United Nations Sustainable Goals Framework on Climate change, to achieve our goals of a sustainable low carbon future for humanity.

Our approach is in accordance with the recommendations of the Paris Climate agreement which provides a 40% reduction of Co2 emissions by 2030 to reduce the rise in temperatures to less the 2'c

Integra buildings limited operates and integrates efficient resource management and environmental protection into its business objectives, with its main goal of minimizing the environmental impact of each project.

### **Integra buildings limited is committed to achieving net zero by 2038**

At Integra buildings limited we have been monitoring and measuring our carbon footprint through our energy management system since 2020.

### **Baseline Emissions Footprint**

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured. Integra buildings ltd have set the baseline year 2020 due to increase of production and expanding company. All figures are approx. with the data evolving year by year.

### **Carbon reduction projects**

The following environmental management measures have been completed or implemented since the re-baseline 2020. Integra Buildings Limited are committed to environment and take the challenge of Climate change seriously, as a result of calculating our carbon footprint in 2020 we adopted energy reduction methods across the main site.

The introduction of new LED/PIR lighting system and controls in all our office buildings and the change from our old sodium lighting systems in our factories to new LED systems has been able to manage our energy usage with the businesses sudden growth.

After evaluating our carbon footprint between 2020 – 2021 we realized with our business expanding we needed a more effective environmental management system incorporating energy management moving forward. In April 2022 we updated our environmental management system in accordance with the ISO 14001 accreditation and are currently going the process to achieve the accreditation.

As part of environmental objectives carbon reduction is one of our main goals to achieve, this year we have looked at where are electricity was sourced, we were on an original standard electricity contract and have now chosen to address the issue.

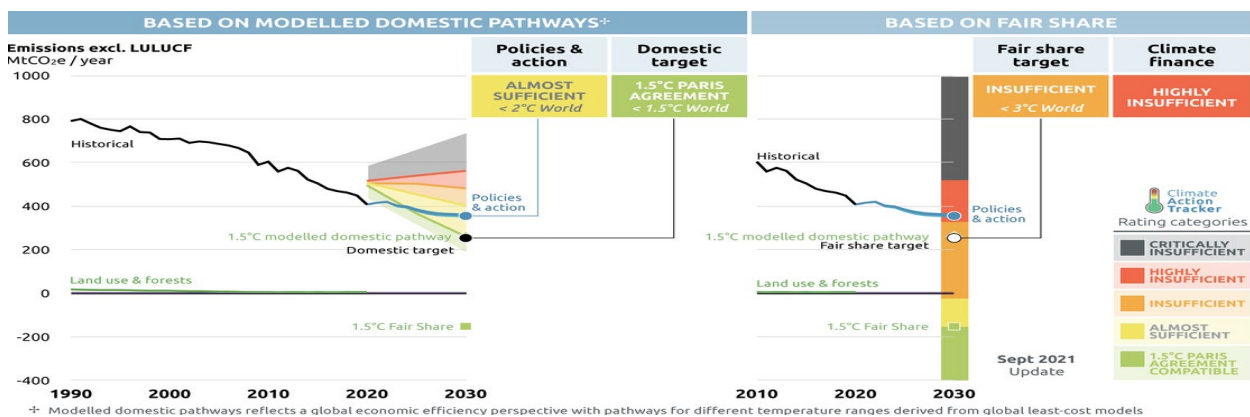
IBL's new energy contract in 2022 is a renewable energy contract and now all our electricity is sourced from either solar/wind and our now REGO certified. However, IBL knows purchasing our energy from renewable sustainable sources is a short-term solution for growing energy needs.

The next on-going environmental energy objective we are considering, is to produce our own renewable energy on our site through the installation of solar PV panels to our production factory roofs. The quantity of the solar PV is 36KWP with an annual yield of approx. 31,000 kwh. This is an ongoing environmental objective running into 2025 as we are looking into different solar systems to make sure we achieve the most energy efficient system that we can, making a direct impact on our carbon footprint.

At Integra Buildings Ltd, we aim to achieve Carbon neutral across our own and supply chain emissions by 2038. Carbon offsetting is the process of removing the harmful CO<sub>2</sub>e from the atmosphere by installing renewable energy systems, planting trees and creating green spaces, and various other means. IBL must be pragmatic in looking into a solution to balance out our emissions, were achieving absolute net zero emissions cannot be achieved, offsetting will be used to balance out the unavoidable emissions so we can achieve our Net Zero target.

IBL's environmental approach to our carbon management and reduction is only to consider offsetting as our last option, and only use offsetting in situations that there is no possible outcome of achieving net zero emissions. As a result of this we do not offset our scope 1 & 2 emissions and are working with our supply chain to address our scope 3 emissions, and when we have fully identified the carbon emissions that are unavoidable, we will only use certified offsetting organisations that meet our requirements and the requirements of our supply chain.

Through IBL's engagement with our main sub-contractors, we have been able to achieve a reduction in embodied carbon by introducing sustainable measures to overall reduce the carbon footprint of the units we produce. The graph below shows the projected global warming based on various scenarios in the UK.



As Global temperatures rise, the energy requirements of a building are also expected to increase, with this in mind IBL incorporate additional cooling and heating requirements in the design phase, therefore meeting the requirements for net zero and aligning ourselves with the UK's carbon reduction strategies.

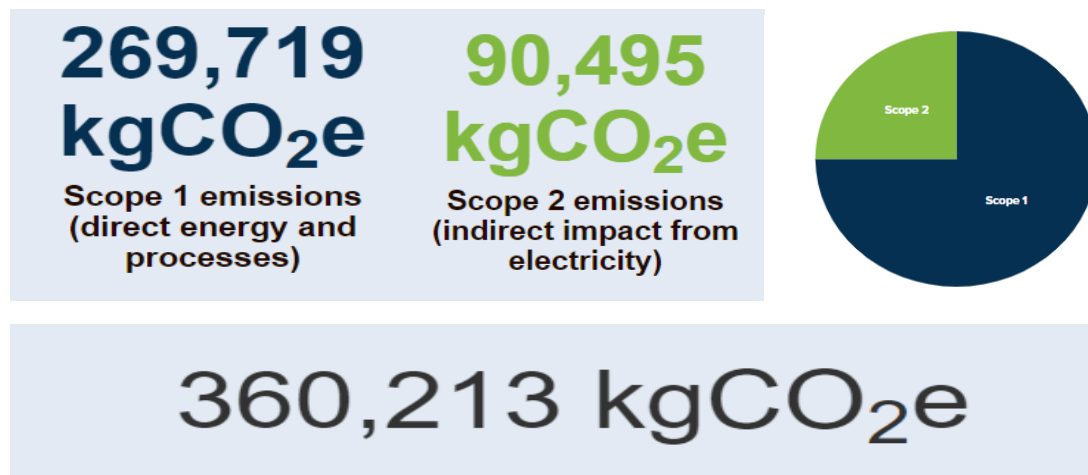
In 2021 we carried out a review of our FLT fleet of 8 Diesel Vehicles and set the environmental objective of seeing if we could reduce our emissions with the use of HVO fuel. As we had just renewed our FLT fleet in 2019, we assumed that a change of fuel from Diesel to HVO was a viable option. After contacting the manufacturers of our FLT's, we could not achieve this goal as the HVO would damage our current fleet.

After not achieving our goal of switching our existing fleet to HVO fuel and achieving the 90% reduction in emissions, we have had to investigate alternatives to aid us in our reduction targets. This September we have decided to replace the oldest Diesel FLT in our fleet, with a new electric LFP Li-ion FLT. The new Li-ion 30 FLT EFL302/352 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety operation. EFL302/352 supports opportunity charging so it can be charged at preferable time during the day without disrupting working schedules. Comparing to a diesel forklift truck, EFL302/352 saves 30%-50% of energy cost with li-ion technology. And there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck. The testing of the new electric FLT could have a significant impact on our co2 emissions, as we purchase only renewable energy on our main site the overall emission reduction would be good to achieve. Early indicators are showing that the electric Li-ion FLT is more than capable, and operators are reporting no issues. IBL will be testing the new electric Li-ion FLT for the year and be doing a direct comparison with our diesel counter parts and if the new FLT performs as early indicator are showing we will aim to replace our entire FLT fleet with electric Li-ion vehicles.

### Integra Buildings Ltd

													Assume £0.28 Per KW Assume 6 Hours Per Full Charge Assume 22KW Battery Tank	Assume £1.50 Per Litre Assume 6 Hours Per Full Tank Assume 30 Litre Tank
Truck Number	OEM	Model	Serial no	Attachment	Year of Manufacture	Months in Service	Hour Meter Reading	Monthly Hours Used	Potential Hrs (assume 40wk)	Utilisation	Lithium Model	Tank of fuel Full Charge	Life Time Potential Fuel Costs (Electric)	Life Time Potential Fuel Costs (Diesel)
1	RedLift	CPCD50	A2A10056	Sideshift	Dec-19	31	2,774	89	5373	52%	CPD50	462	£2,848	£20,805
2	Redlift	CPCD50	A2A10055	Sideshift	Dec-19	31	3523	114	5373	66%	CPD50	587	£3,617	£26,423
3	Redlift	CPCD30T8	528170208	sideshift	Dec-19	31	1899	61	5373	35%	EFL30	317	£1,950	£14,243
4	RedLift	CPCD30T8	528170209	sideshift	Dec-19	31	2507	81	5373	47%	EFL30	418	£2,574	£18,803
5	RedLift	CPCD30T8	528170207	Sideshift	Dec-19	31	3539	114	5373	66%	EFL30	590	£3,633	£26,543
6	Nexan	FD30	AA01178	Sideshift	Dec-07	180	12274	68	31199	39%	EFL30	2046	£12,601	£92,055
7	Nexan	FDR30	R3C1832L	Sideshift	Jun-20	25	2751	110	4333	63%	EFL30	459	£2,824	£20,633
<b>Totals &amp; Averages</b>					Average Year of Manufacture	Average Months in Service	Average Hour Meter Reading	Average Monthly Hours Used	Potential Hours Each Month	Average Utilization	Number of Machines in Fleet	Total Tank of Fuel Full Charge	Total Fleet Lifetime Cost of Electric	Total Fleet Lifetime Cost of Diesel
					2019	41	4,181	98	173	56%	7	4878	£30,047	£219,503

<b>Baseline Year: 2020</b>	
<b>Average 55hr week x 50 production weeks Annual factory hours 2750</b>	
<b>Baseline year emissions: 2020</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>269,719 kgCO<sub>2</sub>e</b>
<b>Scope 2</b>	<b>90,495 kgCO<sub>2</sub>e</b>
<b>Scope 3 (Included Sources)</b>	<b>Unleaded tonne per vehicle 1.8 Diesel tonne per vehicle 2.02</b>
<b>Total Emissions</b>	<b>360,213 kgco<sub>2</sub>e</b>



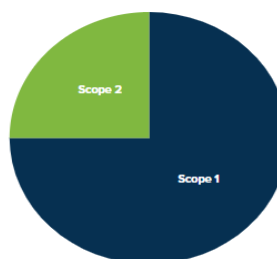
<b>Baseline Year: 2021</b>	
<b>Average 55hr week x 50 production weeks Annual factory hours 2750</b>	
<i>Integra buildings went through an expansion in 2020 that made us start our baseline during the 2020</i>	
<b>Baseline year emissions: 2021</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	303,716 kgCO <sub>2</sub> e
Scope 2	99,769 kgCO <sub>2</sub> e
Scope 3 (Included Sources)	Transport – 5,148,160.5 kgCo <sub>2</sub> e Water – 13638.71 R404a – 10.44 kgco <sub>2</sub> R410a – 106.938 kgCo <sub>2</sub> Unleaded tonne per vehicle 1.8 Diesel tonne per vehicle 2.08
<b>Total Emissions</b>	<b>403,485 kgCO<sub>2</sub></b>

**303,716  
kgCO<sub>2</sub>e**

Scope 1 emissions  
(direct energy and processes)

**99,769  
kgCO<sub>2</sub>e**

Scope 2 emissions  
(indirect impact from electricity)



**403,485 kgCO<sub>2</sub>e**

### **Declaration and Sign Off**

Integra buildings limited Carbon Reduction Plan (CRP) has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction plans.

Our emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting protocol corporate standard and uses the appropriate Government conversion factors for the Greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with the SERC requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standards for Carbon Reductions Plans and the Corporate Value chain (Scope 3) Standard.

### **Responsibilities**

All Integra buildings Limited employees and third parties are responsible for ensuring that this policy is adhered too. Our employees who procure goods and services should adhere to Integra Buildings Limited Procurement Policy and include social value considerations which include environmental requirements. The activities in this scope of this policy are covered by additional dedicated procedures and policies to ensure that all objectives of the policy are adhered to and applied throughout the business. The Management is responsible for the implementation of the policy and its day-to-day operation, this policy will be monitored and reviewed annually.



Christopher Turner  
Managing Director  
Integra Buildings Ltd  
January 2023