



CJ Sheeran Limited is a name synonymous with the Irish timber industry. Incorporated in 1994 and with a long history in the industry dating back to the 1960's the business has grown to be Ireland's largest manufacturer of wood packaging and pallets. Headquartered in Shannon Street Mountrath, Co. Laois and with a number of manufacturing, warehousing and distribution depots across the country, including Recycling Centre, Limerick Road Mountrath, Co Laois, Coolrain Sawmills in Coolrain Co Laois. Manufacturing plants in Shannon street Mountrath Co Laois, Ballinrobe Co Mayo & Loughlene Co Westmeath plus 2

recycling plants in Dublin.

CJ Sheeran provides a premium quality, sustainable and accredited packaging solution to Ireland and the UK's diverse network of pallet users in the food and beverage, pharmaceutical, medical device, technological, engineering and general manufacturing sectors.

The company produces a broad range of both standard and specialised wood packaging and pallet modules such as pallets, cases, crates, boxes, frames, skids and dunnage and also recover in excess of 3 million used pallets per annum.

We also recycle > 3,000,000 pallets pa at our Recycling facility Limerick Road, Mountrath, Co. Laois



Pallets on arrival are sorted as follows;

Stacked by type for resale – no repairs required

Repaired by board or block replacement – stacked by type for resale

Dismantled, where components are reused in repairs for other pallets

Irreparable moved to shredder area for shredding



Residue and offcuts from the pallet recovery operations is shredded into woodchip which can be used as biomass fuel used to generate energy. We use approx. 4,000 tons of Woodchip per annum to heat our Kilns. By using this form of fuel, which is WFQA Certified, we have displaced up to 1,500,000 litres of Kero per annum. Recycled Pallets are put through our Kilns, where we have carried out repairs & they are required to be Heat Treated. This process is carried out under our ISPM15 licence – a phytosanitary standard which sets down the standards for treatment and marking of wood packaging material

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We also produce a range of **comfybed Equine Bedding & landscaping wood mulch**, processed from off cuts & residue from our pallet manufacturing & recovery operations.



CJ Sheeran is the only pallet manufacturing company in Ireland to hold all 4 core ISO Certifications

ISO 50001 Energy Management Systems:



PLUS

ISO 9001 Quality Management Systems,

ISO 14001 Environmental Management Systems

ISO 45001 Occupational Health & Safety Managements Systems

We also hold ISPM 15 (International Standards for Phytosanitary Measures), FSC® (Forest Stewardship Council) and Sedex SMETA 4 Pillar Certification ensuring continuous improvement in Ethical performance of our supply chain. We continue to set high industry standards in terms of quality, service and value for money.

We adopt the highest standards in our Green procurement process where we only purchase raw timber from FSC approved suppliers ensuring forests are managed sustainably with full chains of custody which ensures the timber we purchase is not obtained from illegal logging.

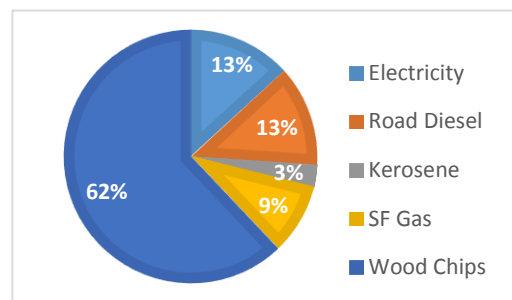
Any business that is based on the use of natural resources has a responsibility to minimize the impact of their activities on the environment. At CJ Sheeran, that responsibility is taken very seriously by all stakeholders, directors, Management Team & Supervisors & Operatives.

CJS are committed to leading the way to a sustainable future. Indeed, we recently set out an ambitious plan to transition to a net zero by 2025 or sooner. At the heart of that plan is a pledge to reduce emissions from our portfolio of customers to net zero by 2050 or sooner, in line with the goals of the Paris Agreement.

As part of our sustainability policy, we put systems & procedures in place to fully understand the CJS Groups Energy consumption & measure it, with the ultimate aim to reduce Energy usage, help improve our Environment & also reduce costs. This has successfully led to CJ Sheeran Limited been accredited the **ISO Energy Management System Certification ISO 50001** in April 2022. This has helped us fully understand our Carbon foot print & the ways we use Energy.

Energy usage across the Group is broken down as follows;

Taking into account Renewal energy supplied by our electricity suppliers (Electric Ireland & Energia) Total Renewal Energy is 72% of the Total Energy Consumed across the CJS Group.



As part of this process we have set out various Objectives & Targets & identified various opportunities on how we as a collective Group can improve Energy usage across the organisation & no doubt help us achieve our targets set out above.

Here are some of the **objectives/targets**

- a) Installation of EFT Energy Monitoring System.
- b) Installation of LED Lights to remaining areas
- c) Communication & Display of energy consumption
- d) Review of solar feasibility starting with RMR Limerick Road.
- e) Installation of Kiln program software to detail the energy/electricity usage per kiln
- f) Replace Kiln No 1. in Shannon Street
- g) Complete lifecycle assessment of the pallets
- h) Purchase energy from renewable sources
- i) Look at areas where sensor lightening would benefit where installed

- j) Air Leak Monitoring programme
- k) Install Air Isolator valves at each area or shed, so that the valve isolates all devices during break. Reviewed with Facilities Team.

Projects completed in last 6 months.

Purchased a new Rotachopper to replace > 20-year-old machine.

Purchased 6 New Linde forklifts – more efficient with 98% reduction in exhaust particulate matter emissions.

Insulated all the pipe work in the Biomass Boiler – this has only happened in the last 3 weeks, hopefully we will see the benefits over the coming months

Putting the building blocks in place to achieve ISO Energy Management System 50001 we started with an education program with all employees demonstrating how they can save energy at home, which would then lead them to bringing those good practices into the work place.

We listed all equipment, motor sizes, loading capacity, time in use, converting all Energy Sources (woodchip, kerosene, diesel, electricity) into Kwh's which is then directly compared to output in tons (included new Pallets produced, recycled pallets, woodchip/comfy bed) to provide (EnPI) Energy Performance Indicator. This detail is captured, managed & challenged under our PowerBi software where we continuously seek areas where we can improve leading to Energy savings.

As part of our Procurement process we have now designed a form to be completed before any purchasers are made where Energy factors are prioritised in the decision making. Our target is to achieve an Energy Intensity reduction of 25% by 2030.

We have also just carried out a **Life Cycle Assessment (LCA)** study. The purpose of the study was to use the LCA methodology to:

- quantify the environmental impact of the company's activity related to one of its products and to identify the environmental hotspots so that the company can take measures to eliminate or reduce them.
- prove the company's commitment to sustainable production of its products.

The entire value chain was mapped in order to identify the areas that should be addressed in particular. The LCA study focused on the manufacturing process. The use phase and the end-of-life were considered in the analysis; this study is a cradle-to-grave analysis.

We have also collaborated with **Forest Industries Ireland to help complete an EPD** (Environmental Product Declaration) for our Sawmills in Coolrain Co Laois. This again involved the capture of detailed information from kilometres travelled by logs to our mill, fuel & electricity used on site & used travelling to site, waste removed off site, packaging, repairs & other products (preservatives, banding etc.). These results will be combined with other mills to provide the results of an EPD towards Nov 2022.

We are working in close collaboration with our customer base which includes high profile, multinational & blue chip companies across the globally recognised sectors to help reduce their overall carbon foot print through the sequestration of carbon in their timber pallets.