



**FPD Recycling<sup>®</sup>**

# FPD Recycling 2022 EIS

## Sustainable Investment Opportunity

Under the **Employment and  
Investment Incentive Scheme**



- True **IMPACT** investment
- Tax relief of up to **40%**
- Investment period **4 years**
- **EU supported company**



**TARGETED  
RETURNS:**

Total ROI 100%

IRR 17%

Times Return  
1.62x

FPD Recycling 2022 EIS - Sustainable Investment Opportunity (the Investment) is a straightforward tax efficient way to invest in an innovative Irish cleantech business delivering fully automated recycling solutions to the international e-waste recycling sector that are affordable, safe, environmentally friendly, and profitable.

Warning: Warning: This is a Summary Sheet. Investors should also read the Legal Pack and the Brochure where a full list of warnings are provided.



## ABOUT FPD RECYCLING®

FPD Recycling® is an Irish CleanTech company offering global proprietary urban mining technology that facilitates the move away from the traditional linear economic model, which is based on a 'take-make-consume-throw away' model, to a Sustainable Circular Economy where materials are reused and remanufactured.

FPD Recycling® delivers fully automated recycling solutions to the e-waste recycling sector that are affordable, safe, environmentally friendly and profitable.

6.5 million metric tonnes of TVs, computer monitors and laptops are added to the ever-growing e-waste stream each year. Traditional recycling activities (like shredding and manual disassembly) are not keeping pace with the global growth of e-waste, causing environmental, social and economic issues.

***FPD Recycling's® vision is that every used flat screen in the world becomes a valuable commodity rather than a hazardous waste.***

The e-waste recycling industry is in urgent need of an efficient, low cost and safe recycling process. With this objective in mind FPD Recycling® has developed fully automated, high through-put, robotic recycling systems that are transforming the recycling of flat screens and laptops into a profitable business line.

FPD Recycling® is empowering recyclers with the technology necessary to recycle end of life screens in a safe, compliant and profitable manner.

***FPD Recycling® promotes the Circular Economy by creating safe, sustainable and flexible automation solutions for all forms of difficult and hazardous e-waste.***

## FPD RECYCLING® STORY

FPD Recycling® was established in 2019 by a team of experienced entrepreneurs with deep technical knowledge and significant global experience in building engineering teams, waste and e-recycling, complex automation, software engineering, sales and finance.

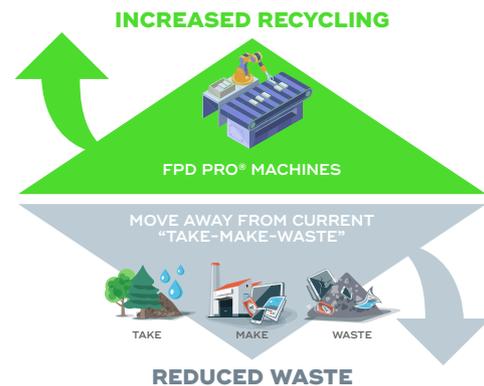
FPD Recycling's® first goal was to develop a solution for recycling TVs, monitors and laptops which are problematic and hard to recycle. As the solutions needed to be safe, efficient and profitable, FPD Recycling® employed robotics, Artificial Intelligence and machine learning as part of its 'deep-tech' solution.

FPD Recycling® has developed a unique automated process, the FPD PRO®, capable of disassembling flat panel displays – TVs, computer monitors and laptops ("FPDs") – enabling efficient and cost-effective recovery of the valuable fractions, while also eliminating the risk associated with toxic components in electronics.

Today, FPD Recycling® is happy to see that thanks to its technologies, perception of e-waste is changing from an environmental risk and disposal problem to a valuable resource of secondary raw materials.

FPD Recycling's® efforts to change the e-waste recycling industry have been recognised by the European Innovation Council ("EIC") with the company being approved in October 2022 for EU Grant Funding of €1.89 million and is eligible for follow-on equity investment of €8.31 million by the EIC Fund under the EIC Accelerator.

FPD Recycling® has been working on a carbon project that identifies the emission reductions achieved through its efficient recycling solution, the FPD PRO®. In June 2022, FPD Recycling's® carbon project was listed on the Gold Standard registry which allows FPD Recycling® to forward-sell the future carbon credits it will receive.



## FPD PRO®

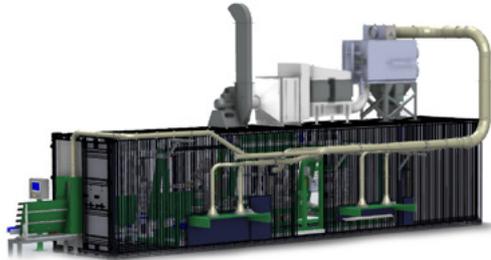
The FPD PRO®, which is the flagship product from FPD Recycling®, is a fully automated, robotic recycling system that removes hazardous components from TVs, monitors and laptops (FPDs), enabling safe further processing and recovery of over 95% of the materials contained in FPDs.

Using manual disassembly, one operative can disassemble approximately 4 to 6 televisions in 1 hour. One operative using the FPD PRO® can depollute 80 televisions in 1 hour and the process takes place in an enclosed cell with a sophisticated filtration system, preventing the exposure of any members of the workforce to hazardous and/or toxic materials such as mercury and liquid crystal.

Apart from utilising its own Intellectual Property, FPD Recycling® has partnered with globally recognised companies including ABB (Advanced Robotics), Donaldson (Mercury Filtration) and Microsoft (Artificial Intelligence). The machines are assembled in Ireland.

## BUSINESS MODEL

All customers must enter a Technology-as-a-Service (“TaaS”) Agreement with FPD Recycling®, which covers license, maintenance, and consumables with a floor of circa €200,000 per annum. The TaaS model offers a viable alternative for businesses in this sector and removes the high capital investment barrier. Each FPD PRO® sold under the TaaS model will generate revenue of circa. €6 million over ten years, based on projected feedstock growth.



## MARKET

The FPD recycling market is huge and rapidly evolving due to legislation around the handling of hazardous materials (mercury, cadmium, lead and liquid crystal etc.). With an expected lifespan of 7-10 years, hundreds of millions of FPDs represent a fast-growing problem for recycling businesses worldwide. The WEEE Directive and EU standards (EN50625) have put in place a comprehensive legislation and regulation framework for handling FPD waste in Europe. It is likely that all US states will follow the 26 states currently leading the way, placing severe restrictions on current practices. It is believed that some 600 million FPDs are currently in storage pending recycling.

## CIRCULAR ECONOMY & SUSTAINABILITY

Your investment in FPD Recycling® will generate a measurable, beneficial social and environmental impact alongside a market leading financial return for the Investor.

Due to issues relating to virgin raw materials mining, market price fluctuations, material scarcity, availability, and access to resources, it has become necessary to improve the mining of secondary raw materials to increase sustainability and security of natural resources.

The FPD PRO® is enabling recyclers and OEMs to ensure that their products are recycled in a manner which drives the Circular Economy and Sustainability. Our mission is to drive Sustainability and Profitability for all stakeholders.



## PRINCIPAL FEATURES OF INVESTMENT

### INVESTMENT

Convertible Redeemable Preference Shares.

### SUBSCRIPTION

Minimum subscription amount €20,000 up to a maximum of €250,000.

### TAX RELIEF

Tax relief of up to 40% in the year in which the investment is made

### EXPECTED TERM

Minimum of 4 years from the date of investment.

### INVESTOR EXIT

The Investment has a planned exit date of 1 January 2027. The buy-out is capped at €1.28 per share, which is equivalent to an annual coupon of 7%.

### INVESTOR RETURN

If as projected, the Investment returns €1.28 for every €1.00 invested, it should generate a pre-tax return on investment (ROI) of 25% per annum for individual Investors.

### FEES

An admission fee of 4% (inclusive of VAT) will be payable by Investors upon subscription for the Shares. This money will be used to defray investment set-up and running costs.

### CLOSING DATE

Completed Application Form, Deed of Authorisation and Subscription Monies must be received on or before 4.30pm on Saturday, 31 December 2022.

## ILLUSTRATIVE EXAMPLE OF POTENTIAL RETURN ON INVESTMENT

ASSUMPTIONS	
Investment Subscription	€100,000
Cost (for illustration only)	€1.00
Number of shares (for illustration only)	100,000
Uplift	28%
Estimated Market Value on exit	€1.28
Term of investment minimum (years)	4

POTENTIAL RETURN ON INVESTMENT	
Sale Proceeds	128,000
Net Cost of Investment	64,000
Gross Return	64,000
Capital Gains Tax	7,501
Net Return	56,499
IRR*	17.14%
Annual Average Compound Return (gross)	18.92%
Total Return on Investment (gross)	100.00%
Annual Average Compound Return (net of tax)*	17.14%
Total Return on Investment (net of tax)*	88.28%
Potential Times Return	1.62

\* Exit >5 years and CGT treatment

## KEY FEATURES

- 1 Sustainable Investment Opportunity in an innovative Irish cleantech business.
- 2 Up to 40% tax relief can be claimed in the year in which the investment is made against PAYE, Rental, Dividend, Share Options, Bonuses and Pension/ARF income sources.
- 3 Targeted Return on Investment ("ROI") of 100% over the four year holding period (including income tax saving).
- 4 FPD Recycling® was founded by and is run by an Experienced Management Team.
- 5 FPD Recycling® is an Enterprise Ireland supported company.
- 6 Awarded EU grant funding and eligible for EU equity investment.
- 7 This is a true IMPACT Investment in a company that reduces waste by recycling flat panel display screens more efficiently, promoting Sustainability and the Circular Economy.
- 8 An investment in a genuine Alternative Asset Class offering investors Portfolio Diversification.

## PROJECTED FINANCIALS

	2022*	2023	2024	2025	2026	2027	2028
	€	€	€	€	€	€	€
Total Revenue	607,916	3,217,917	7,087,761	17,977,485	37,078,415	62,696,042	90,124,462
Total Costs	1,992,635	3,168,721	6,945,656	12,424,360	18,020,115	25,387,763	31,771,796
Profit/(Loss) Before Tax	-1,384,720	49,195	142,105	5,553,124	19,058,300	37,308,280	58,352,666
EBTDA	-1,201,445	402,891	1,003,783	7,546,503	22,854,992	42,950,857	65,407,769
Shareholder Equity	5,507,628	11,243,682	21,935,042	25,394,064	37,514,700	68,462,735	115,871,861
Cash Balance	2,634,740	10,086,333	17,769,043	16,819,834	20,028,403	31,105,727	60,227,469

\*Actuals to 31 July 2022

## CONTACT

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For more information on EIIS offer visit: [www.fpdrecycling.com](http://www.fpdrecycling.com)



Warning: Nothing presented in this document constitutes investment advice as it does not take into account the investment objectives, knowledge and experience or financial situation of any person. You should not act on it in any way and are advised to obtain professional advice suitable to your own individual circumstances. The value of your investment may go down as well as up. You may lose some or all of the money you invest. Past performance should not be taken as an indication or guarantee of future performance, neither should simulated performance. The value of securities may be subject to exchange rate fluctuation that may have a positive or adverse effect on the price or income of such securities.