



BIOFUEL EVOLUTION

TURNING FOOD WASTE INTO FUEL FOR A GREENER FUTURE
EXECUTIVE SUMMARY 01 ISSUE 05 NOVEMBER 2018 PAGE 1

Biofuel Evolution Ltd (be®): A UK based cleantech and smart energy company built on the blockchain established in November 2016. We are creating a prototype (BeBlock) which converts food waste into bioethanol - a clean, greener fuel.

Ask: Our company is seeking £350,000 funding and strategic partners to continue our R&D on a laboratory scale and to develop BeBlock. Your investment will be covered by EIS and a Financial Investor Escrow.

1 Problem

According to the Food and Agriculture Organisation (FAO) of the United Nations **1.3 billion tonnes** of food produced globally for human consumption is lost or wasted every year which equates to approximately **\$US680 billion** in industrialised countries and **\$US310 billion** in developing countries being thrown away.

2 Solution

To produce bioethanol from food waste, an abundant and low value raw material, via our prototype (BeBlock) that will power smart communities with blockchain technology.



Fig 1. A sustainable fuel made from organic matter

Our aim over the next five years is to commercialise our product in smart cities and homes around the world, particularly underprivileged communities without access to sustainable energy.

3 Early traction



London Southbank University are helping us to develop our process and technology.



European Bioenergy Research Institute (EBRI) are providing us with continued business support and technical expertise as part of the European Regional Development Fund (ERDF) project.



World Escrow Group are supporting us on our overall business and financial performance.

We are also in the process of being included in the South East Energy strategy and have teamed up with Low Volume Buying & Design Ltd who are helping us to build and develop BeBlock.

4 Team



Jaymish Patel Co-Founder
studied MSc Chemical Process Engineering at UCL. Previously worked for KBR, Inc.



Viral Patel Co-Founder
previously worked for Aptuit, Public Health England (PHE), Genesis and KBR, Inc.



Professor Chike Oduoza Research Adviser
chartered engineer and fellow of the IChemE. Horizon 2020 EU framework evaluator.

5 The opportunity

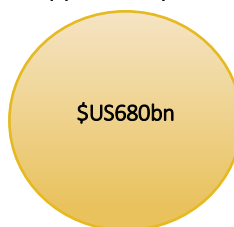


Fig 2. Value of food wasted in industrialised countries (UN FAO)



Fig 3. Value of food wasted in the UK hospitality sector (WRAP)

6 The financial plan with £350,000 investment

Years (1-5)/ Revenue (£)	Expenditure (£)	Net income (£)	Profit margin/ROI (%)
Y1/ 709,223.60	617,090	92,204.60	N/A
Y2/ 656,890.60	714,019	-57,128.40	N/A
Y3/ 1,272,122.40	1,190,972	81,150.40	6.38 / 15-20
Y4/ 1,777,357.20	1,239,478	537,879.20	30.26 / 15-20
Y5/ 2,283,492.00	1,189,078	1,094,414.00	47.9 / 15-20

NB/ BeBlock price is £159.96 per month + subscription fees and a £2000 deposit, based on a £4500 production value.