



Renewable chemicals naturally designed and engineered to deliver the performance that adds value to everyday products

Company Fact Sheet

FOUNDED:	2003 in Oxford England
FOUNDER:	Dr Edward Green, Chief Scientific Advisor
CEO:	Sean Sutcliffe
HOME OFFICE:	Registered address: 45A Western Avenue, Milton Park, Abingdon, Oxon OX14 4RU. HQ Office: 80F Park Place, Milton Park, Abingdon, Oxon OX14 4RY.
R&D LABS:	Milton Park, Abingdon U.K. and Gahanna, Ohio U.S.A.
PLANTS:	Gahanna, Ohio (Pilot Plant); Emmetsburg, Iowa (Demo Plant)
WHAT WE DO:	Green Biologics Ltd. (GBL) is a renewable chemicals company focussed on developing and delivering new green alternatives for everyday products. We are transforming the global chemicals market, providing customers with more sustainable and higher value products compared to petroleum-based alternatives. Our technology platform is built on both biology and chemistry founded on core expertise in advanced <i>Clostridium</i> microbial fermentation. This platform converts a wide range of sustainable feedstocks into high value green chemicals including n-butanol, acetone, and, through chemical synthesis, derivatives for downstream product formulations. As our cost of production declines we aim to pursue global biofuels markets.
CORE PRODUCTS:	Normal butanol, or n-butanol, also called biobutanol. Acetone (produced as a co-product to butanol).
FACILITIES:	GBL maintains over 7000 ft ² of laboratory, office and pilot plant facilities in Abingdon U.K. and over 4000 ft ² of laboratory, office and pilot facilities in Gahanna, Ohio U.S.A. (including a state-of-the-art 1100 litre pilot plant). GBL has a new demonstration facility in Emmetsburg, Iowa with two (2) ea. 40,000 litre fermenters. Our home office is in Milton Park; our US subsidiary (Green Biologics Inc.) is based in Gahanna, Ohio. Our U.S. executive offices are in Richmond, Virginia. We also have satellite offices in Jinan, China; New Delhi, India; and Sao Paulo, Brazil.
TECHNOLOGY:	GBL has a number of patents and a wide ranging portfolio of proprietary technology relating to advanced ABE fermentation using <i>Clostridia</i> organisms as biocatalysts, including synthetic biology. Our library of organisms includes over 320 <i>Clostridia</i> strains and over 800 thermophilic organisms used for high temperature processes. Our technology and IP estate includes lignocellulosic processing which allows us to utilise both C ₅ and C ₆ sugars to extract much higher energy content than processing sugar and starch alone.