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# INTRODUCTION



TAKING TECHNOLOGIES FROM AN EARLY STAGE TO COMMERCIAL MATURITY REQUIRES PERSISTENCE, TECHNOLOGICAL INGENUITY, BUSINESS ACUMEN AND A STRONG BALANCE SHEET.



## INVESTING TO BUILD A BETTER FUTURE

Founded in 1928, Summerleaze is a privately owned business, whose origins are in the field of mineral extraction. The business has now diversified into the fields of waste management and renewable energy. Operating as a small, dedicated team, the company aims to innovate in order to make the most of undervalued resources.

Its strong balance sheet enables us to develop business ideas at an earlier stage than is normally supported by the banks, and develop them to commercial maturity.

## THREE CORE BUSINESS AREAS



### SUMMERLEAZE SAND AND GRAVEL

THE ORIGIN AND CORE OF THE BUSINESS

Summerleaze supplies 500,000 tonnes of aggregates per annum to the building sector in the Thames Valley from its plants based in Maidenhead and Denham, and has reserves extending to 10 million tonnes. The company also has a landfill operation, accepting inert waste from local construction projects.



### ANDIGESTION ANAEROBIC DIGESTION

RECOVERY OF ENERGY AND FERTILISER FROM BIODEGRADABLE WASTE

Andigestion operates two anaerobic digestion plants the first one at Holsworthy in Devon, the first commercial plant of its kind in the UK, accepting up to 80,000 tonnes per annum of food waste and generating over 25,000 megawatt hours per annum. The company also operates a research and development department at Waterbeach near Cambridge with a smaller anaerobic digestion plant. The second plant, constructed in 2015 produces biomethane from 35,000 tonnes of food waste.



### FOREVER FUELS QUALITY WOOD PELLETS

REPLACING FOSSIL FUELS USED FOR HEATING BUILDINGS

Energy used for heating premises amounts to 46% of the total amount of energy used in the UK. Wood pellets can be used to replace heating oil at a reduced cost to the user. Forever Fuels operates a fleet of 26 specially designed tankers to deliver wood pellets from eight bases in the UK.

# HISTORY OF SUMMERLEAZE

1930



## AGGREGATES

After serving in the forces from 1914-1919, Robin Prior became Chief Engineer of an engineering firm in Maidenhead before turning his attention to merchandising gravel pits in the south of England.

Initially, he operated as a contractor, processing gravel for a number of other landowners. His success convinced him that the way forward was to acquire his own reserves and operate a mineral supply company himself, which became Summerleaze.

## READY-MIX CONCRETE & WASTE DISPOSAL

Between 1960 and 1992, Summerleaze operated both a ready-mix concrete business and a waste disposal business, the latter which was made possible through the restoration of former gravel workings. During this time, the company operated its own fleet of ready-mix concrete and waste disposal vehicles.

1960



1987



## LANDFILL GAS

In 1987, Summerleaze opened its first power station generating electricity from gas extracted from a landfill site at Gerrards Cross in a pioneering development using secondhand engines. Over the next 20 years, the business expanded to an output of 300,000 megawatt hours per annum. The landfill gas business was sold in 2007 and provided the funds for the next generation of renewable energy.

2005



## ANAEROBIC DIGESTION

With the reduction in the potential of landfill gas, as a result of changing environmental legislation, Summerleaze moved its attention to the recovery of energy from the anaerobic digestion of food waste. The plant at Holsworthy in Devon was a pioneer in the UK and was purchased by Summerleaze in 2005. Since then, substantial further investments have effected significant improvements to the plant, trebling its output of electricity. A second plant was constructed in 2015 close to Cheltenham, producing biomethane.

2008



## WOOD PELLETS

Forever Fuels is now a leading supplier of high quality wood pellets to domestic and commercial customers across the UK.

# SUMMERLEAZE TODAY

Today, Robin Prior's son, Peter, is the Executive Chairman of Summerleaze. He is joined on the Board by his nephew Stuart Robertson, son Bruno Prior, Operations Director Mike Lowe and Finance Director Jeremy Malkinson.



Gravel excavation at Denham



Peter Prior and son Bruno

## OUR PHILOSOPHY

We have a sound business in supplying aggregates to the local market in the Thames Valley, which provided the funds to develop our landfill gas business and still contributes to an income stream supporting our developments in renewable energy.

It was my conviction that in my lifetime, or at least that of my grandchildren, fossil fuel energy was likely to become depleted and expensive, and so we owed it to future generations to use natural resources where they could be cheaply harvested to extend the life of fossil fuels.

Initially we pursued that idea by researching into the nature of different energy sources and methods of collecting and storing these resources. After a lot of research, some of which was rendered inappropriate by fluctuations in the price of oil, we became a leader in the landfill gas business and are now helping to lead the way in the field of harvesting energy from the anaerobic digestion of food waste and the supply of wood pellets to replace fossil fuels for heating.

The picture below shows the equipment we developed to turn landfill gas into liquefied methane, which was abandoned when the price of oil fell from circa \$30 to \$10 per barrel in 1986.





# SUPPLYING AGGREGATE

**OVER THE LAST 80 YEARS, SAND AND GRAVEL FROM SUMMERLEAZE QUARRIES HAVE PLAYED A MAJOR PART IN SUPPLYING THE AGGREGATE NEEDED FOR THE CONSTRUCTION OF MANY THOUSANDS OF HOMES, OFFICES, SCHOOLS, HOSPITALS AND ROADS IN THE THAMES VALLEY.**

## SAND AND GRAVEL EXTRACTION

The extraction of sand and gravel has been at the core of Summerleaze's operations since its foundation, and has provided the financial base for subsequent business developments.

Today, the Company's principal gravel reserves are based in the Thames Valley at sites in Maidenhead, Bray, Burnham and more recently, Denham. Over the last 85 years, sand and gravel from Summerleaze quarries has played a major part in supplying the aggregate needed for the construction of many thousands of homes, offices, schools, hospitals and roads in the Thames Valley.

Over this time over 20 million tonnes of aggregate have been processed and supplied to projects such as these.

Given the proximity of the M4 and M40, and the growing conurbations to the west of London, these quarries continue to prove well-placed to supply vital construction materials to projects of all sizes. As a local family company, Summerleaze supplies a full range of aggregates to local businesses and the general public, in deliveries from one to twenty-two tonnes. Aggregates including type 1, scalping and building sand are available alongside the complete range of sand and gravel products from 6mm to 40mm shingle and sharp sand.

### BRAY QUARRY

MONKEY ISLAND LANE,  
BRAY, BERKSHIRE

Bray Quarry is situated close to the M4 just off the A308. It is the main processing plant for Summerleaze in the Maidenhead area, and has supplied about eight million tonnes of sand and gravel since 1970. It provides collection and delivery facilities for all aggregate types used in construction.



### DENHAM

DENHAM ROAD, UXBRIDGE,  
BUCKINGHAMSHIRE

During 2007, Summerleaze successfully secured planning permission for a new quarry at Denham in Buckinghamshire containing 2.4 million tonnes of high quality aggregate. A strategic partnership between Summerleaze and London Concrete has meant that much of the high quality aggregate at Denham is supplied directly to the on-site concrete plant, thereby removing unnecessary vehicle movements.

A recent permission for a further 2.0 million tonnes mean Denham will continue to supply aggregate well into the next decade.



### DORNEY LAKE

DORNEY LAKE, OFF COURT LANE,  
DORNEY, WINDSOR, BERKSHIRE

During the 1990s, Summerleaze was a lead partner in the construction of the Eton Rowing Lake at Dorney, involving the construction of the lake itself and associated buildings and infrastructure.

The creation of the olympic-standard lake generated over four million tonnes of aggregate over a 10-year period, much of which was transferred by conveyor across the Thames for processing at the Summerleaze plant at Bray. As a result, many lorry movements were removed from the narrow roads around Dorney.

Meanwhile, the bridge which carried the conveyor over the river, has doubled as a valuable new pedestrian and cycle link between the Berkshire and Buckinghamshire banks of the river.



DORNEY LAKE IS AN EXCELLENT EXAMPLE OF CO-OPERATION BETWEEN INDUSTRY, PUBLIC BODIES AND A LEADING EDUCATIONAL ESTABLISHMENT WHICH HAS MET THE ESSENTIAL NEEDS OF THE BUILDING INDUSTRY AND CREATED NEW LEISURE OPPORTUNITIES FOR THE PUBLIC.





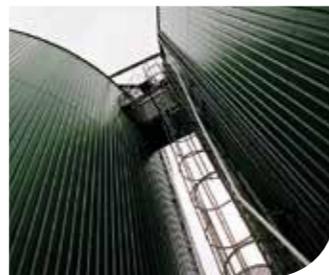
# ANDIGESTION

SUMMERLEAZE ESTABLISHED ITS SUBSIDIARY, ANDIGESTION LTD, IN 2004 TO DEVELOP AND COMMERCIALISE ANAEROBIC DIGESTION TECHNOLOGY.

## ANAEROBIC DIGESTION – RECOVERY OF ENERGY AND FERTILISER FROM BIODEGRADABLE WASTE

Andigestion is one of the UK's largest producers of renewable energy by AD from domestic, commercial and agricultural wastes.

AD is what happens when biomass, such as food or crops, decomposes in the absence of air, producing a combustible gas, a mixture of methane and carbon dioxide, and a liquid residue with a high fertiliser value. AD occurs naturally, for instance in swamps, and has been harnessed for many years in the UK through the capture and utilisation of the gas produced at sewage works or in landfill sites.



### THE BENEFITS OF ANAEROBIC DIGESTION

- AD is an efficient way of harnessing nature to capture the energy and nutrients contained in the putrescible (i.e. easily rotted) fraction of our waste.
- With the increasing political hostility to landfills, attention has turned to more controlled approaches.
- The process is managed and stimulated in highly engineered systems to release the gas at a high methane content. The nutrients are recovered to produce a bio-fertiliser from the waste that is not converted into gas.
- Although AD has broader connotations, it is commonly used as a term to refer to the recovery of energy and fertiliser from putrescible wastes.



OUR PLANT AT HOLSWORTHY CONVERTS WASTE INTO ENERGY VERY EFFICIENTLY BUT WE ARE CONSISTENTLY SEEKING TO IMPROVE ITS PERFORMANCE. FOR EXAMPLE BY STORING GAS OVERNIGHT WE ARE ABLE TO CONTRIBUTE TO THE HIGHER DAYTIME LOCAL DEMAND FOR ELECTRICITY.





# FOREVER FUELS

**WOOD PELLETS ARE A CONVENIENT, RENEWABLE ALTERNATIVE TO GAS, OIL AND ELECTRICITY FOR HEATING, AND TO STRAW AND SHAVINGS FOR ANIMAL BEDDING.**

## **QUALITY WOOD PELLETS FOR RENEWABLE HEAT AND BEDDING**

Forever Fuels is the leading specialist supplier of top quality (ENplus-A1) virgin-fibre wood pellets, for use as a renewable heating fuel in wood pellet boilers and stoves, or for bedding.

We offer 'legal for trade' blown deliveries of bulk wood pellets from the largest fleet of specialist tankers operating from local depots across the UK, and pallets of bagged wood pellets for manual handling (e.g. For stoves and bedding).

Forever Fuels provides a secure, reliable, competitive supply of quality wood pellets to British customers.

## **BLOWN AND BAGGED WOOD PELLET DELIVERIES**

We provide ENplus-accredited blown deliveries of top quality (ENplus-A1) wood pellets, delivered in bulk by specially designed vehicles that can blow the pellets into your store. Or we can supply the same, top quality wood pellets in small bags on 1-tonne pallets, for smaller installations.



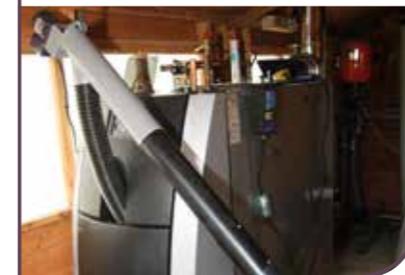
## **NATIONAL SUPPLY OF WOOD PELLETS**

Through Forever Fuels, Summerleaze is investing substantially to provide the specialist wood pellet supply infrastructure needed to support the replacement of fossil-fuelled boilers with wood pellet boilers across the country. Forever Fuels already provides national coverage from local depots or factories near Maidenhead, Andover, Avonmouth, Okehampton, Newmarket, Retford, Middlewich and Ruthin, Grangemouth.



## **IN-WOOD PELLET SUPPLY**

Forever Fuels' investment in infrastructure and systems enables us to deliver pellets securely and reliably at the lowest economic price, whilst operating to the highest standards demanded by ENplus, the European Wood Pellet Accreditation Scheme.



WE ARE INVESTING TO EXTEND OUR COVERAGE AND REDUCE THE COSTS OF DELIVERY TO AS MANY PARTS OF GREAT BRITAIN AS POSSIBLE.

# SUMMERLEAZE IN THE COMMUNITY

SUMMERLEAZE HAS ALWAYS BEEN COMMITTED TO PLAYING A FULL PART IN THE LOCAL COMMUNITIES IN WHICH IT OPERATES. IT HAS INITIATED, DEVELOPED AND SUPPORTED MANY KEY IMPROVEMENTS AND OPPORTUNITIES FOR THE WIDER COMMUNITY.

## SPORTS

Summerleaze is dedicated to encouraging a wide range of sporting and recreational activities through its support of local clubs and organisations.



## CHILDREN'S FACILITIES

Summerleaze supports local facilities that help children to have fun and live more fulfilling lives. It was one of the key founders of the Thames Valley Adventure Playground for children with special needs, which has provided an invaluable community resource for the last 35 years.



## COMMUNITY VISION

The areas where Summerleaze is involved have many attractions, but often they are under-utilised and under-appreciated because of the limitations of the local infrastructure. These limitations range from the prosaic (access issues because of inadequate planning and investment in transport) to a lack of vision and imagination (piecemeal planning and cheap, short-term, low-quality development). Summerleaze has visions for the communities in which it is involved which go beyond our commercial interests. We promote these visions and, if the community is supportive, encourage efforts to deliver them.



Holyport FC on their ground at Summerleaze

# SUMMERLEAZE AND THE FUTURE

THROUGH CAREFUL  
MANAGEMENT OF ITS  
STRONG ASSET BASE AND  
INVESTMENT IN PEOPLE,  
SUMMERLEAZE IS WELL  
POSITIONED TO CONFRONT  
THE CHALLENGES OF A  
RAPIDLY CHANGING WORLD.

Throughout its history, Summerleaze has been highly innovative which has often led to it taking a contrarian view, taking risks on a long-term perspective and being ready to change course as circumstances dictate.

The company does not make presumptions about the direction of its future strategy so that it can be sufficiently flexible to take forward opportunities, principally in the fields of minerals, renewable energy and real estate.



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Summerleaze 