



Established in 1934, this company is based in Feltham, near Heathrow Airport. The site accommodates the Corporate Head Office with a large manufacturing facility and workforce.

The client specialises in the supply of sieves and filters to ensure powders and liquids are free from contamination.

They approached **Bi-Generation** for a solution to their ever increasing heating costs. The challenge was to provide heating for the large open spaced manufacturing and warehouse facilities.

The total heating oil cost was £20,000 per year. The management were attracted to **Bi-Generation** bio-mass solutions by the significant reduction in their energy costs. It also removed them from the potential rise of fossil fuel prices, currently at historic highs. With a fixed priced fuel contract, the business knows in advance what it will be paying for energy, which in turn makes budgeting far easier.

With the installation of two 95kW biomass boilers **Bi-Generation** were able to reduce the original heating cost by 35% and they will also receive an estimated RHI (Government) subsidy of £20,368 per year.

Project Details

Installation Cost : £76,000

Annual Return on Investment: 35%

Payback Period: 3 years



This retirement village is located on the stunning Roseland Peninsula and surrounded by beautiful countryside.

The living options are extensive, ranging from independent living properties and assisted living homes and to a specially designed dementia unit.

Bi-Generation installed a free boiler to supply the swimming pool and shower block. Again, the full installation took just two days, with minimal disruption to the home's facilities.

The retirement village's spend per annum, prior to installing a biomass boiler, was in excess of £15k on oil. They will now spend just £8.5k on wood pellets this year.

We fully expect to do other homes in the group over the coming months, following the success of the installation.



Project Details

Installation Cost : None

Savings per Annum: 35%



Set on the North Cornwall Coast, between Rock and beautiful Port Issac, this luxury hotel is the ideal place for a stylish seaside escape.

Known for the glamorous and acclaimed spa facilities, a luxury swimming pool and the fabulous food on offer in the restaurant and bar, the hotel looks right out over the Atlantic Ocean. There are 45 rooms, including 15 suites.

The hotel was spending approximately £23,000 per year on two systems using heating oil and LPG. **Bi-Generation** was asked to connect the two systems and replace the fossil fuel with Biomass.

The solution involved siting a containerised 190kW boiler in the car park adjacent to the Hotel. From here **Bi-Generation** were able to run pipework connecting both systems, whilst retaining the existing boilers as a back-up. For the Hotel management, a deciding factor to use **Bi-Generation** was the unique five year fuel contract being offered, including all maintenance and servicing.

This ensures the boilers continue to function at the highest possible efficiency thereby maximising the return on investment.

Project Details

Installation Cost : £72,500

Annual Return on Investment: 39%

Payback Period: 3 years



This exclusive Golf Club has long held a tradition for hospitality and friendliness that continues to this day. The clubhouse exterior is the product of the art deco style of the 1930s and the alterations over the years have always been mindful of this architectural feature and striven to maintain it, yet inside the facilities are all you would expect from a modern clubhouse.

The Club Committee recognised the need to reduce their reliance on fossil fuel while at the same time taking advantage of the significant financial savings that biomass heating can provide.

Having spent time looking at various options they eventually choose **Bi-Generation** to provide a complete solution tailored to their individual requirements.

Using their exclusive and proven technology **Bi-Generation** delivered a complete containerised 100kW boiler unit to site which was integrated into the existing heating system.

Project Details

Installation Cost : £48,500

Annual Return on Investment: 32%

Payback Period: 3 years



A small working Cornish organic and sustainable farm perched on the beautiful southern tip of Cornwall. The 125-strong herd of Jersey cows produces 450,000 litres of milk which is used in the production of organic ice cream, fudge and yoghurts.

The owners have had a long held ambition to produce all their energy requirements using renewable energy and approached **Bi-Generation** for a biomass steam boiler to replace their current costly and ageing oil steam boiler. As well as the financial advantages, the renewable and sustainable aspect of the project also enhances their existing wholesome environmental product image.

A deciding factor for the management at Roskilly's in using **Bi-Generation** was their confidence in the engineering and technical ability of the engineers to install a bespoke installation on time and at cost.

Mi-Generations were able to offer their exclusive Bidragon range steam boiler. The 750kW, 1 tonne boiler installation will return an anticipated fuel saving of 38%, a CO₂ saving of 86 tonnes per year and a payback period on the capital cost of 5 years.

Project Details

Installation Cost : £100,000

Annual Return on Investment: 21%

Payback Period: 5 years



This large college is one of the newest and fastest growing colleges in the country. It was founded in 1993, and following a merger with another college, a £30 million programme of investment has resulted in many new state-of-the-art buildings.

Their main campus in Cornwall hosts many full and part-time courses. It also has student accommodation. The campus was spending approximately £27,000 per year on two systems using heating oil. As a leading advocate of sustainable and renewable energy, they were very interested in replacing their fossil fuel.

The solution involved siting two containerised 100kW boilers adjacent to their existing boiler rooms.

From here **Bi-Generation** was able to run pipework connecting into both systems, whilst retaining the existing boilers as back-up.

For the College Management, a deciding factor in choosing to use **Bi-Generation** was the ability to provide a fixed five year fuel price, which was taken from the heat meter, thereby charging for heat produced, not fuel consumed.

Project Details

Installation Cost : £72,000

Annual Return on Investment: 43%

Payback Period: 2-3 years