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Smart Energy Greater Lincolnshire
Legacy Case Studies

Westwood pipelines get illuminated with new LED lights



Westwood Pipelines, situated in the beautiful area of Sandtoft, South Yorkshire, supply and manufacture plastic pipe systems for water and gas utilities.

Smart Energy Greater Lincolnshire has supported this business to become more sustainable through helping them to invest in energy efficient LED lights for their office and warehouse space.

The new LED lights have replaced fluorescent and old high-pressure sodium lights which have poor colour rendering; meaning that the new lights will offer better vibrancy and illumination improving works conditions.

This fantastic investment will only take less than a year to pay back!

Steve Brewer, Chief Executive at Westwood Pipelines, said:

“The process for applying for the grant is quick and easy, Smart Energy kept me informed and were there to help, and since installing the new LED lights we have seen our electricity bills drop by 50%.”

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £3,876 towards the Westwood Pipelines energy saving project.

Cost saving	Carbon saving	Grant Received
Estimated £7,800 per year	Estimated 20.5 tonnes per year	£3,876

Grayton LTD Invest in LED lighting to become more energy efficient



Grayton Ltd, based in Barton, is a specialist maintenance company for rotating equipment. They support a wide range of different sectors from steel, cement, oil, gas and chemicals.

Smart Energy Greater Lincolnshire has supported Grayton to make the change to LED lighting, helping their business to become more energy efficient by up to 65%.

Richard Marshall, Managing Director at Grayton Ltd, said:

“We all need to do our bit for the environment and if it saves money too it’s a win win”

Grayton is passionate about reducing their carbon footprint and making choices kinder for the environment. Changing to LED is their first step to become more energy efficient and have further plans to invest in other energy saving measures such as, LED site lamps.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £6,728.32 towards this Grayton energy saving project.

Richard said:

“The grant has enabled us to invest in new lighting both in the workshop and site. The payback for the project is an amazing 2.5 years and the saving will be ours for the next 10 years, as the new lights have a 10 year warranty. A supplier based in Immingham, were a great help to us sourcing and fitting the new lighting at our convenience. It’s good for two local companies to work together to help save the worlds resources”

Through making this simple change, Grayton will not have to change their lights as often, as LED lights last up to 5x longer compared to fluorescent lighting.

Grayton also found that they needed less light fittings for their office space to achieve the perfect brightness. This it has enabled them to become even more energy efficient and have higher savings on their energy bills.

Cost saving	Carbon saving	Grant Received
Estimated £6,801 per year	Estimated 19.5 tonnes per year	£6,728.32

Technica LTD get's LED savvy on their Grimsby site



Technica Ltd, located on the Cherry Tree business Park hold a wide range of engineering expertise from mechanical, electrical, control and instrumentation.

The Procurement controller decided to have a lighting survey carried out by a local wholesaler when asked to research ways that the company could reduce its carbon footprint. It was discovered that the site was mainly lit up by in-efficient fluorescent tubes. The survey results showed that LED lights could help to cut energy usage from lighting by nearly 50%.

Technica have made a small investment to LED lights which will have a huge impact on lowering their energy consumption; enabling them to gain substantial financial savings year on year.

Wayne Pearce, Procurement Controller at Technica Ltd said:

“Research has also shown a wide range of benefits to using LED lights, one of the main one’s being is the impact on employee health. We want to make sure that we are providing the best work conditions possible for our staff while reducing our carbon footprint on the environment. LED lights have been proven to increase productivity, lower stress and reduce the occurrence of headaches and that’s just to name a few. For us it was an easy decision to make to make the move to LED”

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £1,215.16 towards Technica Ltd energy saving project.

Cost saving	Carbon saving	Grant Received
Estimated £1,140 per year	Estimated 3.3 tonnes per year	£1,215.16

Kiowa LTD undergo a major LED light project



Kiowa Ltd, based in Sleaford, specialise in providing high quality economical industrial hose and fluid power products. Established in 1991 this company has steadily expanded and grown over the years to having 6 branches throughout the UK.

With help from the Smart Energy Greater Lincolnshire programme, they are now set to save up to 70% on their current lighting energy costs.

The company decided to make the change to LED lights to increase energy efficiency and improve employee comfort and wellbeing.

Kiowa had previously struggled with light output and illuminance within their office space. Through re-arranging their light fitting layout to meet desk arrangements, this has now improved work conditions and employee satisfaction.

“The assistance and advice which we received from the Smart Energy Greater Lincolnshire programme was extremely helpful and the change in the office lighting will help make Kiowa more sustainable”.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £1,437.36 towards this Kiowa energy saving project.

Cost saving	Carbon saving	Grant Received
Estimated £1,400 per year	Estimated 4.4 tonnes per year	£1,473.36

Jacksons Workwear Rental flying the green flag for energy efficiency



Jacksons Workwear Rental, based in Lincoln, has been a family ran business since 1791 providing a wide range of high-quality industrial products from garments, dust mats, hi-visibility clothing and much more to equip businesses with what they need.

The company wanted to become more sustainable while saving them money on their energy bills. Our expert partner IfaS conducted an onsite audit. On the report it highlighted that a massive saving could be achieved through changing to LED lights.

Steve Pearce, Operations Director at Jacksons Workwear Rental Ltd, said that:

“We were pleasantly surprised at the immediate reduction that we saw with our electricity usage, once we had installed LED lights and daylight/ motion sensors throughout the site”

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £6,507.42 towards Jacksons Workwear Rental energy saving project.

Cost saving	Carbon saving	Grant Received
Estimated £4,990 per year	Estimated 20 tonnes per year	£6,507.42

Stanborough Press makes the change to LED lighting and is set to save approximately £57,900 over the next 10 years



The Stanborough Press Ltd is a specialist publishing company based in Grantham, that prints books and magazines.

Smart Energy Greater Lincolnshire has supported Stanborough Press in making the change to LED lighting, helping their business to become more energy efficient by up to 65%.

The new LED lights, which utilise PIRs and Daylight Harvesting, have been installed in the warehouse and dispatch areas, making these spaces brighter and safer to work in, whilst using less energy.

Their energy-saving project is set to see astonishing savings of approximately £57,900 over the next 10 years, allowing for investment elsewhere. This simple and easy investment will be paid off within 1 year.

“We were very grateful to Smart Energy Greater Lincolnshire for their support during this project of ours. We are a charitable organisation, so money is always tight, meaning that the financial assistance we received from Smart Energy Greater Lincolnshire was very welcome.”

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £5,231 towards The Stanborough Press energy-saving project.

Cost saving	Carbon saving	Grant Received
Estimated £5,790 per year	Estimated 21.5 tonnes per year	£5,231

Reduced energy bills for traders on Grimsby Town Market



Grimsby Top Town Market, located in the heart of Grimsby Town Centre, is home to many local businesses ranging from flower stalls, butchers, fruit & veg stalls and so much more. Also known as Top Town Market, it's now top for energy efficiency.

The much loved community hub has just finished an energy saving project whereby new LED lights have been installed on the trading stalls, main hall and food area. The change to LED is predicted to have positive benefits in lowering the traders' energy bills while reducing the building's carbon emissions.

Linda Bulbeck, Markets Manager at ENGIE, said:

"The project has been well received by traders and customers alike and assists in making the market a happy and vibrant place for shopping and leisure. It was really surprising when the new lights were installed to see just how much brighter the building is now. The new LED lighting not only has the benefits of reducing costs and our carbon footprint but it also has the added benefit of making a property which has no natural light a more pleasant place to work and visit."

Grimsby Top Town Market is managed by ENGIE on behalf of North East Lincolnshire Council as part of the North East Lincolnshire Regeneration Partnership.

The new energy efficient LED lights will also improve light quality and make the building more energy efficient by up to 65%.

The Smart Energy Greater Lincolnshire programme brings together funding from the European Regional Development Fund, council resources, and applications to the Salix Energy Efficiency Loan Scheme (SEELS), which provides interest-free loans for public sector energy saving projects. Savings from the energy bills will repay the Salix loan.

Cost saving	Carbon saving	Cost of project
Estimated £19,550 per year	Estimated 67 tonnes per year	£85,732

Bradley Football Development Centre turns green by investing in new solar PV and LED lighting



Bradley Football Development Centre is a community facility based in Grimsby that offers a range of sport activities. It is a popular building that is used from early morning to late at night, so as you can imagine energy consumption is high!

With the remote location with no surrounding buildings, it was a perfect location for invest in solar PV – and the roof is large enough to accommodate 47kW of solar panels. Low maintenance, this renewable energy source will produce on average 20 per cent of the energy needed to help this building run on a daily basis. In future, batteries could be added to make the solar electricity last into the night.

A building management system will control the heating to come on early when it's cold, and later on warmer days. Sensors will control the temperature in different areas. Facility managers will get updates on any unusual use – so if something is wrong and more energy is being used than necessary, they can act right away.

As part of their energy saving plan, they have also invested in LED lights – scoring high for energy efficiency.

Gary Precious, Facility Manager at Bradley Football Development Centre, said:

“In an era where businesses need to do as much as they can to reduce their environmental impact, taking advantage of more energy efficient technologies will help us to reduce energy consumption and operate a cleaner and more efficient building.

“Working closely with the council, the grant funding has helped up to identify the most suitable energy saving technologies; reducing Bradley Football Development Centre’s carbon footprint.”

The Smart Energy Greater Lincolnshire programme brings together funding from the European Regional Development Fund, council resources, and applications to the Salix Energy Efficiency Loan Scheme (SEELS), which provides interest-free loans for public sector energy saving projects. Savings from the energy bills will repay the Salix loan.

Cost saving	Carbon saving	Cost of project
Estimated £12,508 per year	Estimated 36 tonnes per year	£82,369

Grimsby Fishing Heritage Centre source special LED lights to match historic scenes



Grimsby Fishing Heritage centre tells the tale of how Grimsby became the world's premier fishing port. This award-winning attraction will take you back to the 1950's where the Grimsby port was booming with business and shares the stories of the fisherman who had one of the most dangerous occupations of the time. With a 4D experience you can see, smell and hear the dramas of the heyday.

This fascinating building, that sees thousands of tourists through its doors each year, has decided to set an example to the area by making the choice to become 'energy smart'.

As part of the centre's energy saving project, they had to find special LED lights to match their historic settings, keeping the atmosphere and mood to the time of the 1950's and the chilly Arctic trawler experience.

Smart Energy's strategic partners, ENGIE, oversaw the whole project making sure that it ran smoothly and the correct energy saving measures were put in place.

"The LED lightings have improved the environment in which the attractions are displayed and will assist in bringing to life the experience for visitors"

Along with the new LED lights a building management system (BMS) has been installed. This will enable the attraction to manage its energy consumption in a smarter and simpler way. The system will also flag up any issues, so any maintenance tasks can be managed sooner and quicker.

"The BMS enables the mechanical and electrical systems in the property to be managed more efficient and effectively. This is an innovative solution which has been available for many years, but advances in design and capabilities have enabled a much-improved platform to be introduced"

The Smart Energy Greater Lincolnshire programme brings together funding from the European Regional Development Fund, council resources, and applications to the Salix Energy Efficiency Loan Fund which provides interest free loans for public sector energy saving projects. Savings on the energy bills will pay off the Salix loan.

Cost saving	Carbon saving	Cost of project
Estimated £3,807 per year	Estimated 12 tonnes per year	£47,785

E-Tech solutions invest in energy saving measures as part of their renovation plans



E- Tech Solutions, based in Grimsby, specialises in providing high quality, cost effective IT support to Small to medium businesses within Lincolnshire.

They have just undergone major energy saving changes to help reduce their energy consumption. E-Tech solutions invested in solar PV, LED lights and new and improved heating!

Based in old offices, their electricity usage was in-efficient and running away with money that could be easily saved.

One of their fantastic investments, solar PV, will not only help to reduce energy consumption, but with the technology utilising natural resources they will produce less CO2. A big green tick for the environment.

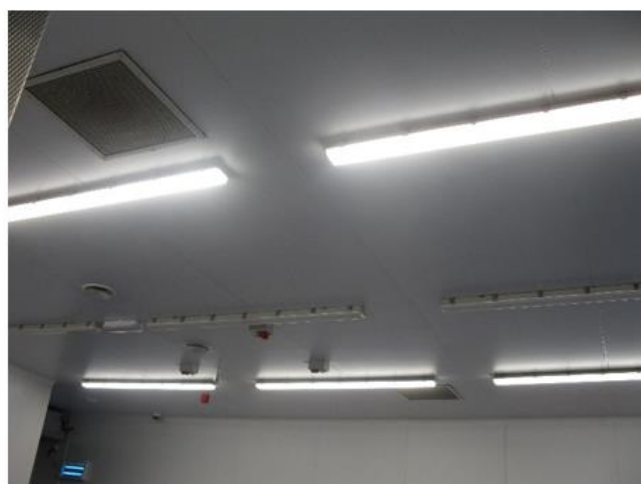
As part of the energy saving project a new boiler was installed. Their previous boiler was over 30 years old! Through changing to a condensing boiler they will now have an improved efficiency of up to 92%.

Rob Andrews, Service and Technical Manager at E-Tech Solutions said:

“With the help of the Smart Energy grant it allowed us to complete work that we would have not been able to achieve. This in turn has considerable reduced our energy cost, due to the savings we have decided to re-invest these savings by employing another apprentice”

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £13,241.86 towards the energy saving project.

Hames Chocolates Ltd Invests to become a green business for the local area



Hames Chocolates Ltd is a chocolate and confectionery manufacturer based in Skegness. Recently they have taken the leap and invested in LED lights, after discovering the amazing benefits it would bring.

LED lights will not only help to reduce energy consumption and lower their carbon footprint, but it will also bring an estimated financial saving of around £2,239 a year.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £6,003.40 towards this energy saving project.

Carol Oldbury, Director for Hames Chocolate Ltd, said:

“Hames Chocolates is a family venture and together we have been making chocolates in our very own chocolate factory in Lincolnshire for fifteen years. With our own chocolatiers, designers, printing and packing facility all in house, we offer the complete chocolate solution to many well-known businesses and high street brands.

As a growing business we believe it is vital to invest in our future. We recently reviewed our energy usage and applied for a grant from the Smart Energy Greater Lincolnshire programme to help us improve our energy efficiency. We have now successfully installed LED lights in our chocolate factory and are delighted to be able to reduce our energy consumption, lower our carbon footprint, whilst also saving money.”

This investment will be paid off within 3 years through the savings they will make, which is not long at all.

Cost saving	Carbon saving	Grant Received
Estimated £2,239 per year	Estimated 9.1 tonnes per year	£6,003.40

Sir William Robertson Academy reduces carbon footprint



Sir William Robertson Academy, based in Welbourn near Lincoln, has just completed an energy saving project to help them reduce their environmental impact. The £40,000 investment went towards changing 521 lights to new energy efficient LED lighting.

This simple change will allow the Academy to make a financial saving of up to £10,000 a year. Not only will they save money on the running costs of the building, but reduce their environmental impact too, by saving around 29 tonnes of carbon dioxide a year. Additionally, the new LED lights will last much longer than the old ones, saving maintenance staff time.

The project was supported with 50% grant funding from Smart Energy Greater Lincolnshire.

Mrs Sancha Maggs, Trust Business Manager and Chief Financial Officer at Sir William Academy, said:

“We received a tremendous amount of support from Vicky Dunn & colleagues at Smart Energy Greater Lincolnshire, in bringing this project to fruition. The results have quite literally transformed the learning environment around school. Classrooms are lighter and brighter as a result of the modern, energy efficient LED units; and the intelligent lighting controls in corridors and other common areas, enable the school to only use energy when needed. This is a win-win, as it means saving on energy costs and a reduction in our carbon footprint”

Cost saving	Carbon saving	Cost of project
Estimated £10,000 per year	Estimated 29 tonnes per year	£40,000

Westlands Club transforms site to become more sustainable



Westlands Club, based in Grimsby, is a social club that offers a great space for events and gatherings.

They have recently just undergone a wide range of works to become more sustainable and reduce their carbon footprint.

The site has installed new solar PV to utilise natural resources to help cover the energy use during the day. The site installed, in total, 10 roof solar panels.

As part of their sustainable changes, they also replaced all of their halogen lights to LED's, to increase efficiency and create a more comfortable environment.

Alongside changing the lights, the Westlands Club also installed a new energy efficient boiler to enable them to use less gas for heating to further increase energy savings.

As the site also offers alcoholic beverages, they also have a cellar. To improve the efficiency of keeping the beverages cool, insulation was installed.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £9,556.15 towards this energy saving project.

Mike Foley, Treasury Secretary at Westlands Club said that:

“Our first energy bill has arrived, from 4th July to 25th July it was only £22.74. Hopefully a great saving from the solar panel installation. The new insulated cellar must be the most up to date cellar in the town”

Cost saving	Carbon saving	Grant Received
Estimated £1,929 per year	Estimated 8.1 tonnes per year	£9,556.15

New LED lights make a huge impact to Lincolnshire Rural Activity Centre



Lincolnshire Rural Activity Centre is based in the heart of Lincolnshire providing a community hub for groups to come together and use the space. They have 33 acres of land in an area of outstanding natural beauty with equestrian facilities. The activities range from Archery, horse shows, horticulture, joinery, catering to horse riding clinics and many more for the local community to come and enjoy and learn new skills.

With the help from Smart Energy Greater Lincolnshire, the site has just recently invested in new LED lighting.

The old fluorescent lighting, as you can see in the before photo, gave the site a warm orange glow. The new LED lighting has transformed the space, making it bright and clear.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £4,275 towards this energy saving project.

The Activity Centre was really pleased with the outcome. Sarah Moss, Centre Manager at Lincolnshire Rural Activity Centre, said that:

“The new lights have transformed the place. As you can see in the photos we had a very artificial yellow light that made the space dull and uninspiring but also use to cost us a lot of money to run. We now have new LED lighting which gives a natural day light that brightens the space up and is a much better light for all those that use the space. We have had lots of positive feedback from those that use the arena and we are already seeing savings on our energy bill. Thank you to Smart Energy for doing an audit and identifying areas where we could save money and reduce our impact on carbon emissions which also has created a much nicer space to work in”

Cost saving	Carbon saving	Grant Received
Estimated £3,370 per year	Estimated 9.6 tonnes per year	£4,275

The Priory Federation Academies Trust takes a green stride for schools in the Greater Lincolnshire area



The Priory Federation of Academies Trust has just undergone an energy-saving project that is now set to save it nearly £100,000 a year in electric running costs.

The project was supported with grant funding from North East Lincolnshire Council's Smart Energy Greater Lincolnshire programme, to help the Lincoln-based Trust reduce its energy bills and carbon emissions.

The Trust has upgraded over 7,000 lights to new energy-efficient LED lighting across four of its sites: The Priory Academy LSST, The Priory Lincoln Academy, Heighington Millfield Primary Academy and The Priory Ruskin Academy.

This small change to all its buildings on these four sites will not only help it to save a substantial amount of money, but will benefit the environment too, through reducing carbon emissions by up to 340 tonnes a year.

The LED lights are expected to have a lifespan of at least 10 years, which means the academies could save up to an amazing £1m on their running costs over that time!

Making the change to LED lights can save up to 40% of the energy needed to light up a room. This can make a huge difference to large buildings that are used day in and day out.

The Trust has also made use of light sensors to make sure that energy is not wasted in areas where it isn't needed. It has also thought carefully about its computer rooms, making sure to fit special LEDs that don't cause screen glare. Plus, the swimming pool area has been fitted with lamps which can cope with the high humidity.

Howard Gee, Chair of Trustees at The Priory, said:

"The support provided by SMART Energy Greater Lincolnshire has helped the Trust to focus on significant energy saving measures, starting with these four academies, and leading to all of our other sites. This will help us to make big savings in our running costs and also, just as importantly, brings a significant reduction in our carbon dioxide equivalent production. It has provided a strong focus for the Trust going forward."

Early indications from figures across the sites are already showing a 35% drop in energy consumption, even though the academies have not been running at full capacity at this time. Therefore, a further increase in savings by the end of the year is expected.

Cost saving	Carbon saving	Cost of project
Estimated £100,000 per year	Estimated 340 tonnes per year	£415,817

Ace Tone Entertainment invests in infrared heating and LED lights to help reduce energy bills



Ace Tone Entertainment Ltd is a family run business based in Spalding, specialising in event design, planning and management.

With the help of Smart Energy, the company have replaced all their halogen and fluorescent lighting in their offices and warehouse with new efficient LED lighting. This has made the spaces brighter and while helping to reduce the cost of their energy bills.

Also, as part of their energy saving project, Ace Tone Entertainment has invested in Infrared heating panels. What makes these panels special is that instead of wasting energy to heat a whole room, they aim to heat up objects and people instead. This helps to retain the heat where needed and improve heating efficiency.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £9,131,40 towards this energy saving project.

Natalie Slack, a Director at Ace Tones Entertainment, said:

“The team at Ace Tones are committed to reducing our carbon footprint and the grant was a huge help. The process was simple and the lights provide a very natural effect, we love them!”

Cost saving	Carbon saving	Grant Received
Estimated £5,473 per year	Estimated 38.5 tonnes per year	£9,131.40

Grimsby Leisure Centre is set to save £45,000 a year after installing new energy saving measures



Grimsby Leisure Centre has undergone a major £416,000 energy saving project that will save 190 tonnes of carbon dioxide a year. The investment will make a huge difference to the site not only to reduce the environmental impact, but improve the experience for customers too.

The project was carried out in stages over a year to minimise disruption. All of the old fluorescent and halogen lights have been changed to new energy efficient LED lights, in both the Health and Wellbeing Centre (original building) and throughout the pool building.

Further investment has seen the old heating system replaced with new, efficient condensing boilers, making significant energy savings.

The Health and Wellbeing Site previously had solar PV installed. The grant has seen further investment making better use of the space on the roof of the New Pool building. The larger capacity will see the buildings supply more of its own clean, zero emissions electricity: reducing costs.

The new energy measures are set to save a massive £45,000 on energy bills a year.

Councillor John Fenty, Deputy Leader of North East Lincolnshire Council and Portfolio Holder for Regeneration, Skills and Housing, said:

“This work is part of a wider project to make our buildings and assets more environmentally friendly”

“We are at the forefront of the green revolution with the rise of clean energy happening right on our doorstep, and it’s right that we should reflect this and make efforts to change to cleaner forms of energy.

“I’m really pleased to see not only the Grimsby Leisure Centre, but a wide range of public buildings become more energy efficient – this recent group of NELC projects will save over 300 tonnes of carbon being used each year along with a financial saving of over £75,000 each year in running costs.”

The Smart Energy programme has part funded the project along with Salix Finance, a government funded organisation who provide interest-free loans for public sector organisations to invest in energy efficiency projects. The loan is repaid through the savings made from energy bills to help cover the total cost of the project.

Cost saving	Carbon saving	Cost of project
Estimated £45,000 per year	Estimated 190 tonnes per year	£416,000

Lincolnshire Showground Venue invests in a more sustainable future



Lincolnshire Showground is in the heart of the Lincolnshire community and is known for holding and hosting a wide range of events for the area.

The events are held in the Epic Centre which is a multi-functional building that is used for meetings, conferences and events of all shapes and sizes. This wide space uses a lot of lighting for events; relying on fluorescent tubes, which are very in-efficient.

To combat this issue Smart Energy has helped the showground to invest in efficient LED lighting that will enable them to save up to 65% of energy used for lighting.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £12,300.93 towards this energy saving project.

Lincolnshire Showground, said:

“We are grateful to the Smart Energy Greater Lincolnshire programme grant which has allowed us to invest in energy efficient LED lighting, allowing us to reduce our overall costs, contribute to our environmentally-friendly building and improve the overall look of the Epic Centre.”

Cost saving	Carbon saving	Grant Received
Estimated £2,360 per year	Estimated 10.8 tonnes per year	£12,300.93

Diamond Media UK LTD cut their bills in half with the help from Smart Energy Greater Lincolnshire



Diamond Media UK, a computer and console repair specialist based in Grimsby, have embraced an energy efficient approach and invested in new heating.

This small change has seen the energy bill for their heating drastically change. In just a month of installing the new heater the bills were cut down by more than 50%.

The Smart Energy Greater Lincolnshire programme awarded a 38% grant of £1,578.52 the cost of the new heating system.

Paul Bailey, from Dimond Media, said that:

“Our previous heating system was using over 6kwh of electricity to produce 6kw of heat. The 6Kw of heat was only just enough to keep the premises warm enough in the winter months. Thanks to the funding that was made available we were able to install energy saving heaters which produce almost 17Kw of heat for less than 3.5kw of energy. Not only has this dramatically reducing our energy costs and carbon footprint, it also kept us all a lot warmer during the winter. Based on heating alone, our energy bills during the winter months have halved”

Diamond Media UK is one of the many businesses in the Greater Lincolnshire area benefiting from the Smart Energy Greater Lincolnshire programme. If you are looking to save money on your energy bills, get in touch today to see if your business is eligible

Cost saving	Carbon saving	Grant Received
Estimated £1,800 per year	Estimated 1.8 tonnes per year	£1,578.52

Holmes Halls (Processors) Ltd invests in new steam boiler to improve efficiency



Holmes Halls, based in Hull, specialize in chrome and vegetable tanning of bovine hides.

Holmes Halls approached Smart Energy Greater Lincolnshire to help them to reduce their carbon emissions and to support them into becoming more energy efficient.

As this is a unique site, the programme's experts, IfaS, conducted an onsite intensive audit so they could understand the processes, look into the equipment and assess the onsite operations. From this, a tailored report was produced with a range of recommendations.

After receiving their report, Holmes Hall decided to invest in a steam boiler, as they had an old, worn boiler that was inefficient. To help them invest in a boiler, Smart Energy awarded a 38% grant of £9,499.62.

The total investment will be paid back within 4.3 years.

Holmes Halls, said:

"We enjoyed excellent advice from Smart Energy and their European partners, the grant process worked smoothly, and we have a roadmap of further energy saving projects going forward".

Cost saving	Carbon saving	Grant Received
Estimated £3,598 per year	Estimated 32.1 tonnes per year	£9,499.62

Titus Newsome invests in new efficient heating in time for winter



Titus Newsome, based in Immingham, is an International haulage company that specializes in services for heavy and abnormal loads.

With winter not far around the corner, Titus Newsome wanted to make sure that their office buildings were energy efficient to reduce the increase in energy bills and their impact on the environment.

Our expert partners, IfaS, conducted an onsite audit and from this recommended that the heating system be updated.

With the help from Smart Energy, a 38% grant of £2,489.14 was awarded to enable them to invest in a new energy efficient boiler and radiators within their offices.

Xander Welman, Managing Director at Titus Newsome, said:

“The existing heating system in our offices was 20 years old and very inefficient and had spiralling maintenance costs. With the grant from Smart Energy, we were able to install a new energy efficient boiler which will not only save us on our energy bills, but also helps us play our part in cutting our carbon output.”

Cost saving	Carbon saving	Grant Received
Estimated £1,169 per year	Estimated 4.7 tonnes per year	£2,489.14

Bacchus Hotel sets example by ‘future proofing’ their hotel for a sustainable future



Bacchus Hotel, located in Sutton on Sea, Greater Lincolnshire, has just invested in solar PV, LED lighting and heat pumps, to reduce their carbon emissions and set a green example for businesses in the local area.

The hotel was supported by the Smart Energy Greater Lincolnshire programme to help them implement these energy saving measures and was awarded £47,320.26 of grant funding to help them achieve this.

David Smith, Owner of Bacchus Hotel said:

“It’s important that businesses start to look at how they can reduce their impact on the environment and what I call ‘future proof’ their business. The process with Smart Energy was really simple and smooth. I highly recommend businesses to get involved while the support is still there”

“It is important for us to reduce our carbon emissions, but I have also seen by implementing these measures, it has had a positive impact on reducing our electricity bills too, so it’s a win, win, situation”

To help support them on their sustainable journey the programme partners, IfaS who are leading experts in energy and resource efficiency, conducted a free intensive audit of the site and had in-depth discussions with David to help support his journey. This enabled the hotel to get expert advice on the best energy saving measures for them.

Cost saving	Carbon saving	Grant Received
Estimated £6,882 per year	Estimated 60.6 tonnes per year	£47,320.26

The Viking Centre reduces carbon footprint to help protect the local environment



The Viking Centre offers accommodation in the village of Claxby, located in the beautiful Lincolnshire Wolds. The site offers a self-catering hostel that can accommodate up to 20 people.

The Management Committee have taken steps to reduce the energy consumption, lowering the carbon emissions and reducing the costs of running the Centre. Additional PV panels have been installed together with an air source heat pump, a battery to store the power produced from the PV panels and LED lighting throughout the Centre.

As a charity they do rely on financial support to help fund major capital expenditure. The total cost of these improvement was £28,722.00 .

These energy saving measures were funded by:

Smart Energy Greater Lincolnshire	£10,914.00
West Lindsey District Council	£6,390.00
Lincolnshire Wolds Sustainable Development Fund	£5,000.00

“The Viking Centre Management Committee would sincerely like to thank these organisations for their support. Their funding has been greatly appreciated and used to ensure the future sustainability of the Viking Centre.”

The site had already invested in some solar panels, but to increase efficiency additional PV panels (5.8Kw) were installed. Being located in the heart of the Lincolnshire Wolds with wide open space, this is a perfect site for solar PV to utilise the sun's natural energy source.

The 13.5Kw battery stores energy produced by the PV panels. This is of benefit as most of the energy needed for the building is used in the evening, which can be accessed from the battery. Any excess power not required by the centre is exported to the grid at 5.5p per unit.

Admiral Display LTD take steps to become energy efficient



Admiral Display Ltd, based in Surfleet, Lincolnshire, specialise in bespoke wooden display stands for a wide range of sectors.

Across their warehouse spaces they had metal halide bulbs and halogen floodlights that were inefficient and running away with electricity. With the support and advice from Smart Energy, they chose to invest in LED lighting.

To help them invest in this, Admiral Display received a 38% grant of £3,035.44. With less than a 2-year payback period, this small investment will enable them to save money year on year which they can invest into other areas of their business.

Alec Rowbottom, Managing Director at Admiral Display, said:

“We are proud of our environmental credentials and the help given by Smart Energy has enabled us to make an immediate impact on our carbon footprint with the minimum of hassle”

Cost saving	Carbon saving	Grant Received
Estimated £4,487 per year	Estimated 13.6 tonnes per year	£2,035.44

Advantage First Aid Ltd install infrared heating



Advantage First Aid, based in Lincoln, is a supplier of medical equipment for first aid.

They wanted to improve their heating in time for winter. Our expert team, IfaS, had a look at their facility, taking into account insulation, from this they recommend the use of infrared heating panels.

Infrared panels are a great energy efficient solution, as it heats up surfaces rather than the room, which is perfect for those areas that may not be sufficiently insulated.

To help Advantage First Aid invest in infrared panels Smart Energy awarded a £500 grant to help cover the cost.

Sarah Hacker, a Director at Advantage First Aid, said:

“We’re so pleased we went through the process – We have learned a lot about energy efficiency and reducing our carbon footprint. Our new heaters are really helping keep us warmer this winter – Thank you!”

Cost saving	Carbon saving	Grant Received
Estimated £455 per year	Estimated 1.2 tonnes per year	£500

Freeman Street Market gets new snazzy solar PV panels to become greener



Freeman Street Market is at the heart of the community and home to a wide range of small business stalls. The site includes fresh fruit and vegetable, butchery, bakery stalls and much more including the Business and Digital Hub which opened in January 2014.

To set an example in the community, with the help from a 38% Smart Energy grant, the market has invested in additional solar PV panels to reduce their carbon footprint and utilise a renewable energy source.

On the roof they have installed 96 kWp solar panels to help generate energy to run the market. Combined with the previously installed solar panels Freeman Street market now has almost 300 kWp solar PV installed.

IfaS, our expert partners, conducted a site audit to advise on the best energy saving measures and how they could reduce their energy consumption and carbon footprint going forward. From this the market also decided to invest in LED lighting.

Stephen White, Chairman of the Pastures Committee as Trustee of the charity, said:

“For some years now, the Freeman have been keen to embrace new technology to both cut costs and to reduce the carbon footprint of our market. We have previously installed an air-to-water heat pump to heat a “Tudor-style” Courtyard, LED Lighting, a Rainwater Harvesting Scheme and maximised our trade/general waste recycling. Two phases of Solar PV Panels have been installed previously, as noted, up to the maximum generating capacity allowed under the then FIT arrangements. As a result of these initiatives in 2014 we received the award of ‘Highly Commended’ in the ‘Energy Champion’ category at the Lincolnshire Energy Awards and we followed this up by being named ‘Business of the Year’ at the 2016 Awards. We also won a Gold Apple Award for Building & Construction (Regeneration) in 2014 and a Green Apple Award for Environmental Best Practice in 2016. We are very grateful for the award of this Smart Energy Grant which has helped us to further extend our Solar Array.”

Cost saving	Carbon saving	Grant Received
Estimated £3,920 per year	Estimated 35 tonnes per year	£25,625.68

Alcar International Ltd invest in LED lighting to help cut bills



Alcar International, based in Scunthorpe, specialises in precision cast refractory products.

Their site which spans across two units, had inefficient fluorescent and sodium lighting that was having an impact on their energy bills.

After a full site audit by the programme's expert partners, IfaS, it was suggested that LED lighting was fitted across the whole site. This will help Alcar International to save £3,604 a year on their energy bills.

To help Alcar International invest in new LED lighting, Smart Energy awarded a 38% grant of £2,272.40. The new lighting will enable them to save up to 68% of energy used for lighting.

With this investment, the payback period will only be around a year. Which will enable them to get a quick return on their investment.

Carrie Jones, Managing Director at Alcar International Ltd, said:

“With the support of Smart Energy & North East Lincolnshire Council we were able to upgrade our out-dated factory lighting. The energy efficiency survey carried out by their partners in the EU highlighted the substantial cost savings to be made and the short time frame in which the initial investment would be repaid. It was an easy decision to make”

Cost saving	Carbon saving	Grant Received
Estimated £3,604 per year	Estimated 10.6 tonnes per year	£2,272.40

Cromwell House gets an upgrade to improve facilities for service users



Cromwell House, based in Grimsby, is a safe and friendly environment where children with disabilities can come for some much needed respite. The site also has facilities to house 3 children on a permanent basis. Staff offer specialist care and support to families ensuring that long term outcomes for the child are achieved.

This valued community facility is now waving the green flag and has installed new energy efficient LED lights, a building management system, and 60kW of solar PV panels. This investment will enable the facility to reduce their energy bills; allowing the building to run more efficiently.

Providing 24-hour care in a warm and comfortable way means both day and night energy consumption are high. Solar PV will help to produce on average 20% of the energy needed to help the building run on a daily basis. This will enable the building to partly run off renewable energy and produce less carbon.

A building management system will keep areas at the right temperature, without wasting any energy. Any unexpected energy use will be flagged for checking.

This energy project has helped Cromwell House to start the process to become self-sufficient and sustainable for the future.

The Manager at Cromwell House said:

“The grant we have received has allowed us to invest in energy efficient technology that will make a huge difference to our energy bills. We think it’s really important that we make sustainable changes to help reduce our carbon footprint and improve the environment. All small changes count to help make a difference”

The Smart Energy Greater Lincolnshire programme has part funded the project along with Salix Finance, a government funded organisation who provide interest-free loans for public sector organisations to invest in energy efficiency projects.

Cost saving	Carbon saving	Cost of project
Estimated £3,804 per year	Estimated 16 tonnes per year	£45,539

Micrometric Ltd update site with new LED lighting



Micrometric Ltd, based in Lincoln, specialises in laser manufacturing services to produce fine parts and precision components for international customers.

As part of their plan to reduce carbon emissions and increase energy efficiency, they approached Smart Energy to help them fund the replacement of inefficient lighting on their site.

The 38% grant from Smart Energy allowed them to invest in LED lighting within their office space and production hall. This will enable them to be on track to save nearly £60,000 on energy bills over the next 10 years.

This fantastic investment will be paid off in less than a year! This small change will have a huge impact on the running costs of this business.

Cost saving	Carbon saving	Grant Received
Estimated £1,069 per year	Estimated 4 tonnes per year	£1857.45

Wrendale Designs invest in LED lighting to reduce carbon footprint



Wrendale Designs, based in North Lincolnshire, specialise in award winning greeting cards, stationery and gifts.

As part of their sustainable plan, they have recently invested in LED lighting across their site which includes their warehouse space, offices and other facilities. Before replacing the lights, they had fluorescent and high bay lighting that was inefficient and was using a lot of energy.

The payback period for this investment is only just over 3 and a half years! It is estimated that they will save £4,141 a year a year, through this small change.

This has all been made possible through the support of a 38% grant from Smart Energy of £6,840.

“The grant funding has enabled us to upgrade our lighting, making the warehouse environment much brighter. As a company we are committed to protecting the environment and the lighting we have had installed saves energy and reduces emissions”

Cost saving	Carbon saving	Grant Received
Estimated £4,141 per year	Estimated 14.3 tonnes per year	£6,840

LED lights transform working environment for Bennetts Timber



Bennetts & Co (Grimsby) Ltd (trading as Bennetts Timber) is an independent family run business, providing high quality timber products. The Lincolnshire based business has a long heritage and was founded in 1804. The business is fully focused on adapting and diversifying to meet customer and environmental demands.

With the support from Smart Energy, the company has invested in new LED lighting throughout their buildings. Before, the buildings had old fluorescent, halogen and bulkhead lighting which was not only inefficient, but it also gave very poor light levels. Since installing the new LED lighting, the staff and customers have noticed a huge difference in quality.

Robert Bennett, Director at Bennetts Timber, said:

“I must say that the replacement LED lighting has transformed the buildings that it has been put into, an excellent result, both in terms of lighting, efficiency and reduction in CO2 emissions”

To support the investment of the LED lighting, Smart Energy awarded a 38% grant of £2,254.89.

Cost saving	Carbon saving	Grant Received
Estimated £1,953 per year	Estimated 5.8 tonnes per year	£2,254.89