immersa

COMMERCIAL
BROCHURE

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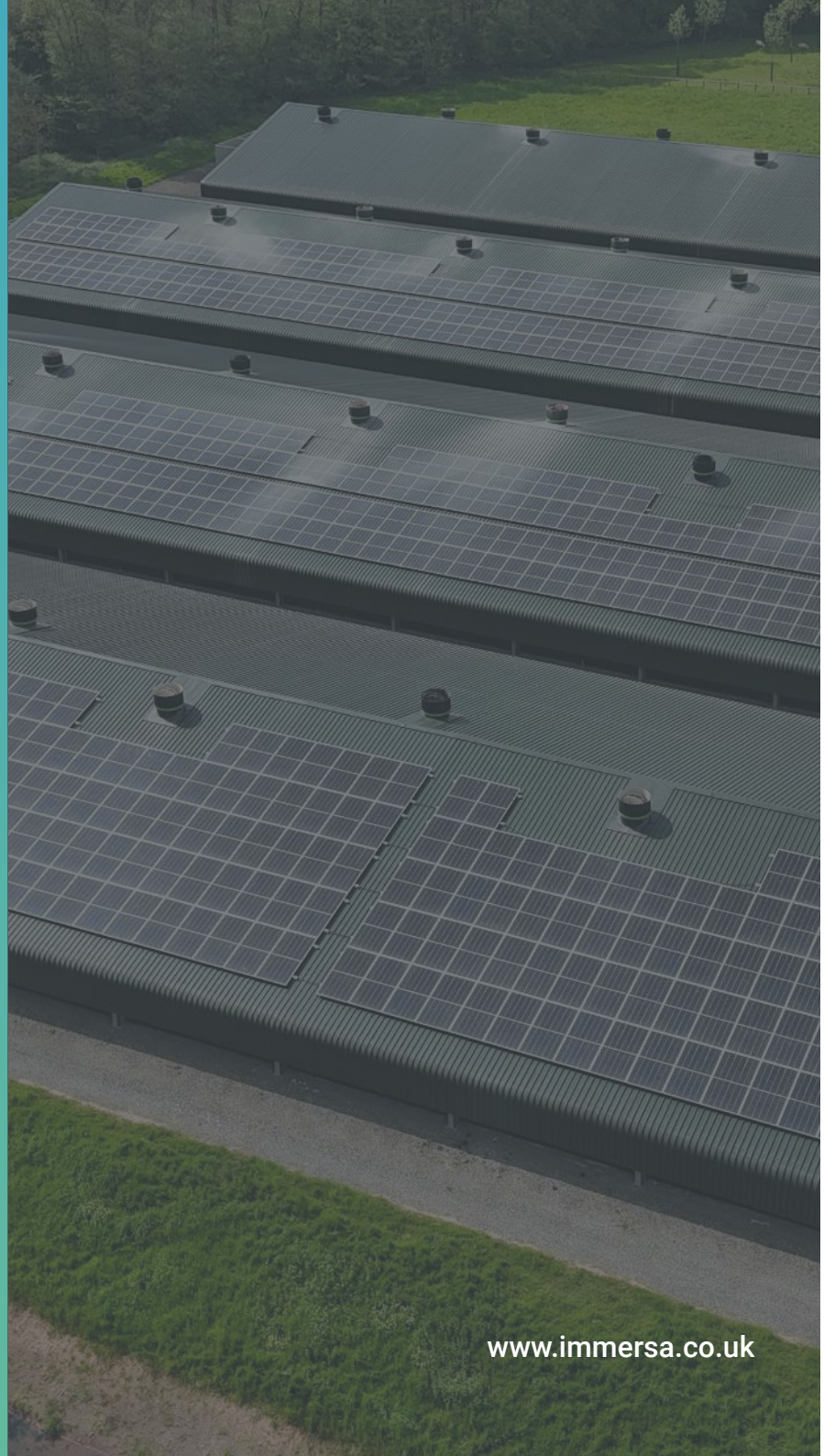

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THE UK'S LONGEST ESTABLISHED BATTERY STORAGE COMPANY WITH A FOCUS ON RENEWABLE ENERGY.

ABOUT US

At Immersa, our core purpose is to create a better future for generations to come, and this commitment is at the forefront of everything we do. Our long-term vision is to forge strong partnerships and build lasting relationships with individuals and organisations dedicated to sustainable energy and renewable energy solutions. We aspire to collaborate on impactful projects that benefit the environment, using our expertise in Battery Energy Storage Systems (BESS) and solar technology.

Adding BESS to existing technologies such as solar or wind can be extremely beneficial to businesses. Our smart systems are designed to be flexible to your needs and come with additional extras that can provide energy security to your business when you need them. Energy Management System (EMS) will reduce your business costs whilst our Grid Management System (GMS) can provide backup to your business in power outages and unforeseen circumstances.

Immersa specialises in the delivery and integration of commercial BESS solutions. Our team of experts offer bespoke designs based on the needs of your business/ client and will work with you on concept designs and analysis, system installation and training through to ongoing maintenance. Not only that, but our knowledge of the industry also means we can sit with your prospective clients and act as your battery experts, so if advice and guidance are what you need, we can help.

OUR VALUES

SUSTAINABILITY

We keep sustainability at the forefront of everything we do as a business. We believe everyone should make a conscious effort to become greener in their day-to-day practices to create a brighter future.

RELIABILITY

We pride ourselves on providing each of our clients with high-quality, reliable end-to-end service from the initial quote right the way through to UK-based after-sale support and maintenance

CUSTOMER FOCUS

Recognising the unique energy needs of each client, we provide personalised solutions that align with your requirements.

INNOVATION

Immersa is continuously looking at new technologies and how these can be applied in the renewables industry. Our close relationship with multiple manufacturers allows us to deliver top end solutions, keeping us at the forefront of our industry.

WHY ADDING BATTERY SUPPORTS RENEWABLES.

COST SAVINGS

Adding Battery Energy Storage System (BESS) solutions to existing solar will save businesses money by utilising more of onsite generation.

CARBON REDUCTION

We remain engaged with our clients after system delivery, offering ongoing O&M services so clients have long term support to maximise the system through its life.

PROTECT CRITICAL PROCESSES

Based on a detailed review and understanding of the customers needs (needs assessment), we design and implement BESS and solar solutions that align with the sector's standards and expectations, ensuring optimal performance and compliance.

ENERGY MANAGEMENT SYSTEM

Our teams are composed of industry leading experts who bring in depth knowledge and experience of the renewables industry, ensuring that every project meets our clients needs expectations.

COMMERCIAL BATTERY STORAGE SOLUTIONS

ADDING BESS TO EXISTING TECHNOLOGIES SUCH AS SOLAR OR WIND CAN BE EXTREMELY BENEFICIAL TO BUSINESSES.

Immersa specialises in delivering and integrating commercial BESS solutions tailored to your business needs. Our expert team provides bespoke designs and supports you from concept development through to operation and maintenance.

Our smart systems are flexible and come with additional features for added security, such as an EMS (Energy Management System) to reduce costs and a GMS (Grid Management System) for backup during power outages or unforeseen circumstances. With extensive industry knowledge, we can also assist by offering expert advice and guidance to you and your clients, acting as your battery technology specialists.

GROUND & ROOF MOUNT SOLAR SOLUTIONS

AT IMMERSA, WE CAN COMPLETE FULL TURNKEY SOLUTIONS IN BOTH ROOF AND GROUND MOUNT SOLAR.

Whether you are looking for full support from idea conception to project delivery or simply require supply and build services, we are readily available to work with you on your commercial projects.

Roof Mount Solar is perfect for those looking to reduce their energy costs by utilising redundant roof space. We work with clients across a number of sectors to maximise the space they have by creating bespoke designs that meet their energy needs and reduce their carbon footprint.

Our team of experts has worked with solar for many years and understands the importance of full support during and after project completion. That's why every project will have a dedicated project manager to provide comprehensive support and ensure the client is as involved in the process as they wish to be.

Ground Mount Solar solutions are perfect for those with an abundance of land. The ability to achieve specific angles means optimal sunlight production, making them up to 30% more efficient than other solar options.

Our experts will work with the client to evaluate the best process for each project. Should they require simple supply and build services we are able to provide this at ease. Our team will assist with every aspect of the process from constuction to commisioning.

UTILITY SCALE SOLUTIONS

OUR EXPERTS HAVE DECADES ON COMBINED EXPERIENCE IN UTILITY-SCALE RENEWABLE ENERGY PROJECTS

Immersa has decades of experience in utility-scale renewable energy projects, focusing on front-of-the-meter BESS and ground-mounted solar farms. We provide a complete turnkey service, from development, including permissions and planning, to EPC (Engineering, Procurement, and Construction), and ongoing Operation & Maintenance.

Our team conducts feasibility studies and delivers financial modeling reports based on site assessments, funding, and expected ROI. Once your project is operational, our asset management program ensures both its physical and financial performance throughout its lifecycle.

EV SOLUTIONS

AT IMMERSA, WE UNDERSTAND THE IMPORTANCE OF CLEARNER TRANSPORTATION AS WE STRIVE TOWARDS NET ZERO

With the UK governments plans to stop the sale of new petrol and diesel cars and vans, electric vehicle charging is now more important than ever. They have promised by 2030 no car should be more than 30 miles from an EV charging point meaning homes, businesses and service stations must all start looking to the future and making the move to greener transportation.

Immersa understands the importance of striving towards a greener future and ensuring EV charging is implemented across sites is just one step we can help clients make. We can install and connect charging solutions on large scale sites across various sectors. Should implementing this technology be of interest, our experts are easily contactable to discuss your projects and ideas.

OPPERATION & MAINTENANCE

"OUR COMPREHENSIVE PACKAGE IS DESIGNED TO MAXIMISE THE PERFORMANCE, RELIABILITY, AND LONGEVITY OF YOUR SOLAR AND/OR BATTERY ENERGY STORAGE SYSTEM (BESS)"

With regular maintenance and prompt issue identification, Immersa's service helps extend the lifespan of your system, protecting your investment and enhancing its long-term value. As part of this exclusive package, you will receive priority support from our technical team, ensuring that any problems are swiftly addressed to keep your system running optimally. This proactive approach not only prevents costly emergency repairs but also allows you to manage your budget more effectively, optimizing your system's performance over its lifetime.

In addition, every system includes access to our free digital monitoring platform. This powerful tool provides real-time data on your system including battery's current capacity, state of charge, and overall performance, allowing both you and Immersa to monitor and adjust configuration preferences in line with your energy objectives. With advanced forecasting capabilities, Alpha Cloud's smart management system optimizes charge and discharge cycles to maximize self-consumption, increase revenue, and deliver significant cost savings. Our dedicated technical team uses this platform to identify faults, troubleshoot issues, and ensure safe, efficient operation throughout your system's life.

ONGOING SYSTEM RELIABILITY:

You'll receive proactive maintenance schedules, assessing and improving the system's mechanical and electrical configuration regularly. This will ensure any system issues are identified and prevented from escalating, ensuring the system does not experience any unexpected downtime and consequential energy management problems.

EXTENDED SYSTEM LIFETIME:

Regular maintenance, prompt issue identification, and reporting to assess the BESS current operating condition. This aims to extend the lifespan of your BESS, protecting your return on investment and long-term system value.

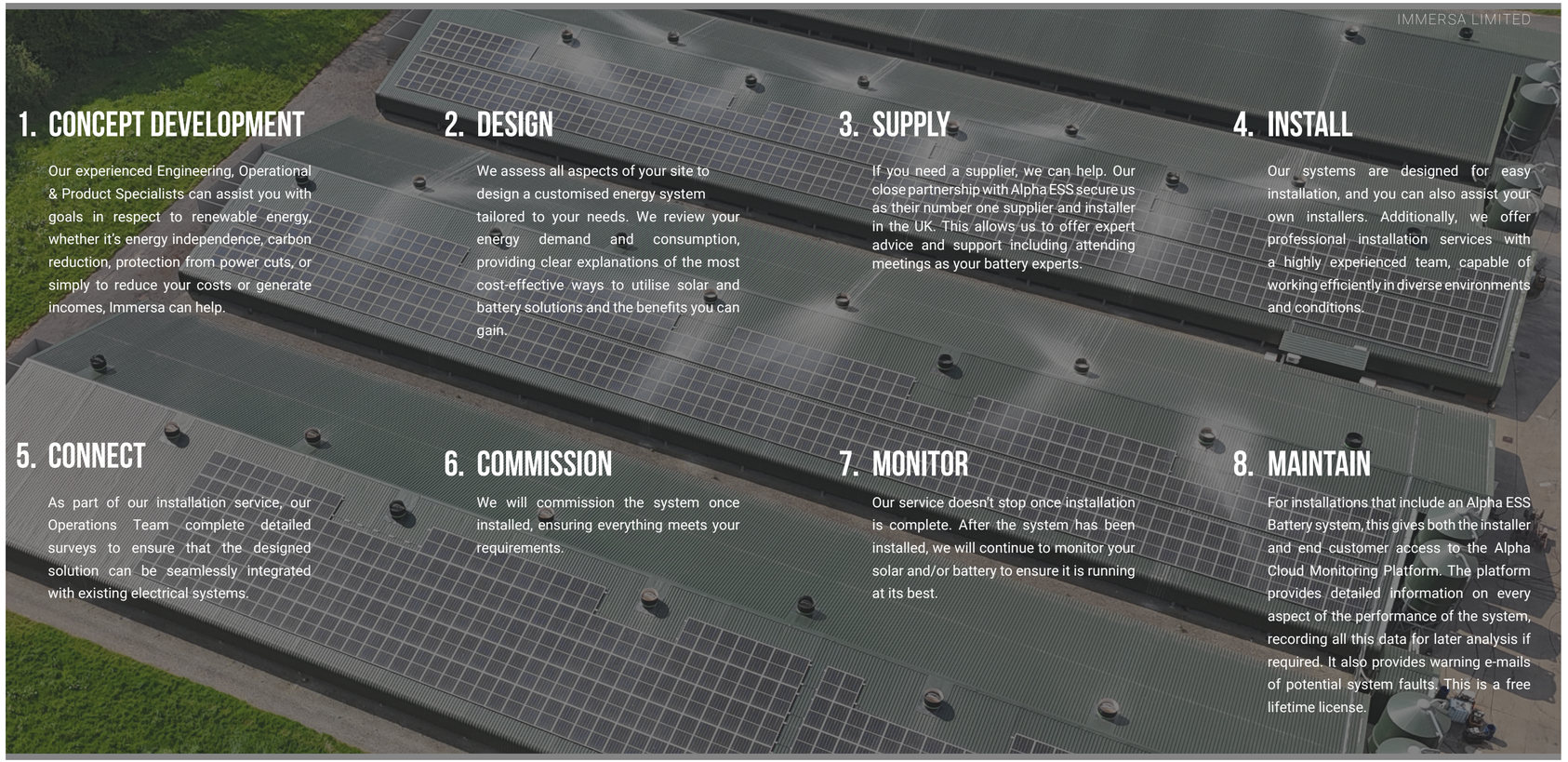
PRIORITY SUPPORT:

As part of this exclusive offering, you'll receive priority access to our technical support team, ensuring any issues are addressed quickly and effectively.

COST SAVINGS:

Identification and prevention of issues through proactive maintenance guarantees that you will avoid any unforeseen high-expenditure and cash management issues associated with emergency fixes or component replacements. Immersa's service will instead allow you to budget more predictably and affordably to ensure your system's performance is optimised throughout your lifetime.

OUR PROCESS



1. CONCEPT DEVELOPMENT

Our experienced Engineering, Operational & Product Specialists can assist you with goals in respect to renewable energy, whether it's energy independence, carbon reduction, protection from power cuts, or simply to reduce your costs or generate incomes, Immersa can help.

2. DESIGN

We assess all aspects of your site to design a customised energy system tailored to your needs. We review your energy demand and consumption, providing clear explanations of the most cost-effective ways to utilise solar and battery solutions and the benefits you can gain.

3. SUPPLY

If you need a supplier, we can help. Our close partnership with Alpha ESS secure us as their number one supplier and installer in the UK. This allows us to offer expert advice and support including attending meetings as your battery experts.

4. INSTALL

Our systems are designed for easy installation, and you can also assist your own installers. Additionally, we offer professional installation services with a highly experienced team, capable of working efficiently in diverse environments and conditions.

5. CONNECT

As part of our installation service, our Operations Team complete detailed surveys to ensure that the designed solution can be seamlessly integrated with existing electrical systems.

6. COMMISSION

We will commission the system once installed, ensuring everything meets your requirements.

7. MONITOR

Our service doesn't stop once installation is complete. After the system has been installed, we will continue to monitor your solar and/or battery to ensure it is running at its best.

8. MAINTAIN

For installations that include an Alpha ESS Battery system, this gives both the installer and end customer access to the Alpha Cloud Monitoring Platform. The platform provides detailed information on every aspect of the performance of the system, recording all this data for later analysis if required. It also provides warning e-mails of potential system faults. This is a free lifetime license.

OUR ADVANTAGES

"COMMITTED TO EXCEEDING CLIENT EXPECTATIONS, BUILDING TRUSTED RELATIONSHIPS, AND DELIVERING RESULTS THAT SPEAK FOR THEMSELVES"

EXPERTISE

Over the past 8 years, we have built a team of reliable and knowledgeable industry experts whose experience in the renewable energy sector is unmatched. With a combined experience of over 100 years, our deep understanding of energy challenges enables us to provide you with effective solutions.

TURNKEY SOLUTIONS

Our turnkey solution option means we can support you from planning through to connection. As your BESS and Solar experts, we ensure the full implementation of your project. Our support doesn't stop once the job is complete; we provide full O&M services to ensure you're never left in the dark.

CUSTOMER SATISFACTION

Our focus when working with clients is to build long lasting, trusted relationships. Every project we work on we go into with the goal of assuring requirements have been achieved and expectations have been surpassed. Don't believe us? Why not read what our clients have to say.

WHERE WE MAKE A DIFFERENCE

- COMMERCIAL
- INDUSTRIAL
- AGRICULTURAL
- EDUCATION
- HOSPITALITY

AT THE HEART OF OUR SUCCESS IS OUR ABILITY TO ADAPT OUR SERVICES TO THE SPECIFIC NEEDS OF EACH SECTOR

CONSULTATION NEEDS AND ASSESSMENT

We begin by understanding the energy challenges and goals of our clients. This allows us to tailor our services to meet their specific requirements effectively.

CONTINUOUS IMPROVEMENT

We remain engaged with our clients even after system delivery, offering ongoing O&M services so clients aren't left in the lurch.

CUSTOMISED SOLUTIONS

Based on the needs assessment, we design and implement BESS and Solar solutions that align with the sector's standards and expectations, ensuring optimal performance and compliance.

EXPERT TEAMS

Our teams are composed of industry experts who bring in depth knowledge and experience of the renewables industry, ensuring that every project exceeds client expectations.

OUR PROJECTS

PRODUCT SUPPLIED

47KW SOLAR

388KW BATTERY STORAGE

CONTRACT VALUE

£ 440,000

CLIENT BACKGROUND & REQUIREMENTS

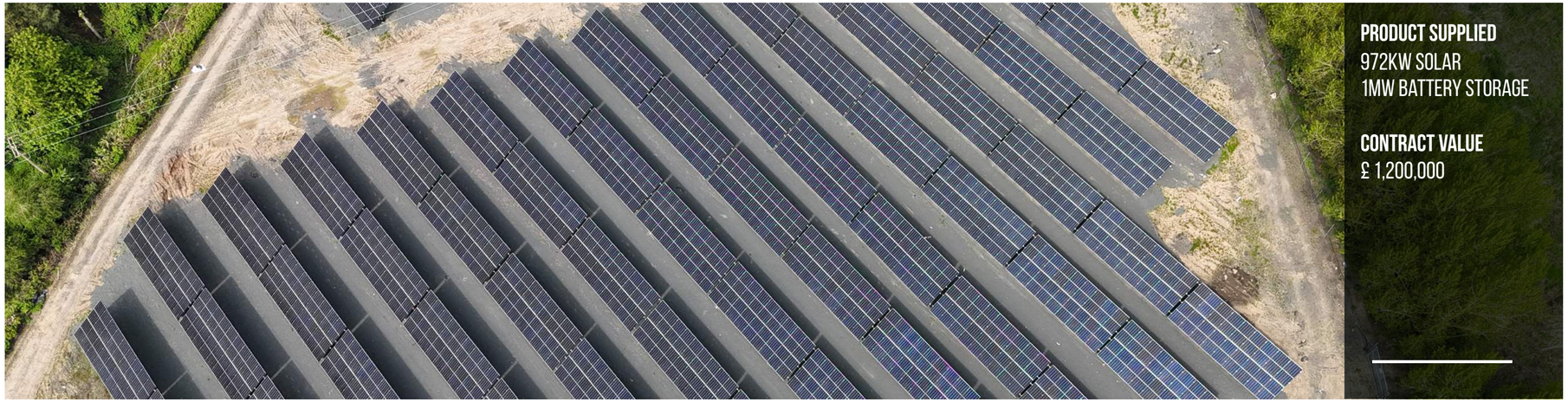
Stark, a leading energy management company in the UK, aimed to reduce its carbon footprint and mitigate rising energy costs by looking at a renewable energy solution. To achieve this at their Bristol office, Stark approached Immersa, experts in renewable energy consulting and solutions.

SOLUTION PROVIDED

Immersa provided a prediction model that the half-hourly energy consumption would range between 6.0kW and 8.5kW. Immersa could calculate the potential energy saving with a renewable energy installation. A 47kWp rooftop Solar PV System and an Alpha Storian T10-HV with a storage capacity of 41kWh were proposed. Installation would take place over a two-week period.

RESULTS & BENEFITS ACHIEVED

The renewable energy solution for Stark resulted in significant saving for them. The project would pay for itself in 3.5 years and 37,448 kWh/year reduction in energy import. Along with a 9,812kg reduction of CO_2 emissions per year. The renewable energy installation is a testament to Stark's commitment to their drive for environmental sustainability and energy



PRODUCT SUPPLIED
972KW SOLAR
1MW BATTERY STORAGE

CONTRACT VALUE
£ 1,200,000

CLIENT BACKGROUND & REQUIREMENTS

Having been around since the 19th century, the Webbs brand now has 3 award-winning garden centres around the country. Webbs' Wytchbold site is approximately 50 acres upon which they carry out a number of highly demanding activities that require masses of power from the grid. After becoming concerned with the amount of power required and wanting to become more sustainable in the long term, they sought to find the necessary solution.

SOLUTION PROVIDED

Immersa designed, supplied, and installed two ground mount solar arrays of over 972kWp, and designed and supplied a 1MW containerised battery system installed by Bavenhill. Working with Bavenhill allowed us to use our combined expertise to deliver this impressive installation that is now the 1st paralleled DC coupled system in Europe. Despite its size, the entire system was installed in just 8 weeks.

RESULTS & BENEFITS ACHIEVED

By harnessing renewable energy, Webbs has reduced its reliance on grid power, lowering both operational costs and its carbon footprint. The installation allows Webbs to store excess solar energy in the battery, ensuring a stable and reliable power supply. As a result, Webbs has become more energy independent and sustainable, aligning with their long-term environmental goals. The project highlights how renewable energy can power large, high-demand operations, while promoting sustainability and cost-effectiveness.

CLIENT TESTIMONIAL

I've been working with Immersa for over 5 years, and in that time, I have used them in different capacities, including Solar PV design, build, and battery storage. Their knowledge of the renewable industry is second to none, and they have built a team of highly knowledgeable experts.

Mike Bronson, Bavenhill

PRODUCT SUPPLIED

75 KW SOLAR

41 KWH BATTERY STORAGE

CONTRACT VALUE

£ 95,000

CLIENT BACKGROUND & REQUIREMENTS

Located in Cornwall, Driveline operates a multi-dimensional business from a large industrial site. This ranges from large vehicle and boat storage; vehicle hire from vans to heavy goods; training facilities and workshop facilities. Driveline approached Immersa to help with their high energy used from the industrial equipment and heavy-duty ramps.

SOLUTION PROVIDED

Immersa were asked to prepare a full quotation on the best solution for the business and after careful planning and consideration, 75.6kWp roof mounted solar paired with a T10 and 41.4kWh of storage was agreed upon. Multiple aspects had to be considered, the most important being the asbestos roof. Fortunately, Immersa's installers are fully trained and qualified to deal with asbestos therefore ensured all precautions were taken when installing the solar, and procedures were carried out correctly to ensure the safety of themselves and others at the Driveline site.

RESULTS & BENEFITS ACHIEVED

The installation of a 75.6 kWp roof-mounted solar system paired with 41.4 kWh of storage has provided significant benefits. By generating clean, renewable energy, the business has drastically reduced its reliance on the grid, cutting energy costs associated with running heavy-duty industrial equipment and ramps. The system also offers energy storage, ensuring a stable supply during peak usage times. Despite the challenge of an asbestos roof, the project was safely and successfully completed, enhancing Driveline's sustainability while maintaining operational efficiency.

PRODUCT SUPPLIED

75 KW SOLAR

41 KWH BATTERY STORAGE

CONTRACT VALUE

£ 215,000

CLIENT BACKGROUND & REQUIREMENTS

St Ewes Eggs, a multi-award-winning free-range egg producer based in the Rosalind Peninsula, Cornwall, started as a family-run business. Renowned for producing high-quality eggs with a focus on animal welfare and sustainability. To further their environmental responsibility and reduce energy bills they partnered with Immersa to install a substantial roof-mounted solar energy system at their distribution centre.

SOLUTION PROVIDED

After consulting with Immersa, and carefully analysing their requirements, 680 high-efficiency, 420Wp solar panels, complimented by two large Solax inverters, were installed. Giving a total of 285kWp of solar panels. The design captures maximum sunlight throughout the day, converting it into renewable, green energy and reducing electricity consumption from the grid. Battery storage was not considered an advantage at this time but could be easily added when needed.

RESULTS & BENEFITS ACHIEVED

St. Ewe Eggs have a particularly high energy running 24 hours a day, they have a large roof-mounted solar array allowing them to generate a sizeable portion of required electricity. With the saving the estimated payback is just 3.5 years. St. Ewe's import from the grid will be about 50% less. Along with savings and energy independence St. Ewe's is reducing CO_2 emissions by 64,500kg a year. This reflects the responsible nature of the company who understand their environmental responsibility and actively make changes.

PRODUCT SUPPLIED
514 KW SOLAR
388KWH BATTERY STORAGE

CONTRACT VALUE
£ 440,000

CLIENT BACKGROUND & REQUIREMENTS

Leadenporch Farm, located in Oxfordshire, is a poultry farm focused on large scale production of eggs. Their 24-hour requirement for energy meant their demand from the grid was extremely high and the operational costs even higher. We received two main objectives when designing the project. Firstly, to reduce grid reliance with renewable energy and secondly, reduce environmental impact.

SOLUTION PROVIDED

Working with Bavenhill, Immersa designed a solar and battery storage system. Based on the farm's location, our team assessed the goals and designed a large solar array of over 1000 panels. The ground mount maximised the available space and was positioned to capture optimal light throughout the day. A containerised T100 battery storage system with a capacity of 388kWh was also added to the solar array.

RESULTS & BENEFITS ACHIEVED

The installation at Leadenporch Farm has delivered substantial benefits. The farm has significantly reduced its reliance on grid energy, lowering operational costs while maintaining 24-hour power for egg production. The battery storage ensures energy availability during peak demand and less sunny periods. This renewable energy solution not only cuts costs but also reduces the farm's environmental impact, aligning with sustainability goals.

PRODUCT SUPPLIED
113 KW SOLAR

CONTRACT VALUE
£ 300,000

CLIENT BACKGROUND & REQUIREMENTS

Based on the outskirts of Stroud, Wycliffe is one of Gloucestershire's leading private schools. With a prestigious reputation, they offer high quality education to those from all around the world. Wycliffe School approached Immersa and explained they were interested in reducing their costs, lowering grid dependency, and becoming more environmentally sustainable.

SOLUTION PROVIDED

Immersa took these requests into consideration and proposed roof mounted solar on 3 of the school's high demand buildings – Finance, Art & DT and Canteen blocks. Over the course of the installations, Immersa installed over 131 kWp of solar on 5 different roofs including one curved and one convex, all whilst school was still running as usual. Student disruption was minimal, and our team were highly professional throughout.

RESULTS & BENEFITS ACHIEVED

The installation of over 131 kWp of solar panels across five roofs at Wycliffe School has significantly reduced their grid dependency and energy costs, supporting the school's sustainability goals. By generating clean, renewable energy on-site, the school has lowered its carbon footprint and improved its long-term energy efficiency. Despite the complexity of installing solar panels on curved and convex roofs, the project was completed with minimal disruption to students and daily operations, demonstrating a seamless integration of renewable energy into their infrastructure.

CLIENT TESTIMONIAL

We're over the moon with how the system is performing. Our expectations have been exceeded and we are actually saving even more than we thought we would. Immersa installed during term time and were very professional, keeping disruption to an absolute minimum. We could not recommend them enough.

Mark Rikard, Rednock

PRODUCT SUPPLIED
248 KW SOLAR

CONTRACT VALUE
£ 210,000

CLIENT BACKGROUND & REQUIREMENTS

Rednock, a large secondary school situated in Dursley, Gloucestershire, recognized the benefits of renewable energy. Considering escalating energy costs and environmental concerns Rednock School sought the expertise of a local renewable energy company in Durlsey, Immersa Ltd to design and fit a system. This system aimed to enhance sustainability, reduce operational costs, and harness the power of solar energy.

SOLUTION PROVIDED

Based on the rooftop spaces on the school building, half-hourly consumption data provided by Rednock School, Immersa designed a solar PV system of 248kWp to be installed on three buildings (music department, sports hall, and 6th form department) roofs plus a 250kW two-hour battery storage system. The design engineer produced a design to maximise efficiency of the solar panels. Additionally, the school's operational needs were prioritised for minimal disruption to students and staff.

RESULTS & BENEFITS ACHIEVED

It is now estimated the annual reduction of Carbon Emissions is expected to be 48,4414, along with an expected annual saving of £62,916 on the school's energy bill. This project is a wonderful opportunity to make a difference to the environment and improve profitability in a challenging environment. The Rednock Project sets a positive example for students, staff, and the wider community. Additionally, Immersa understands the importance of ongoing maintenance and monitoring and offer an Operations and Maintenance contract after the installation is completed.

PRODUCT SUPPLIED

47KW SOLAR

388KW BATTERY STORAGE

CONTRACT VALUE

£ 440,000

CLIENT BACKGROUND & REQUIREMENTS

A family run hotel, dating back to 1691 is situated in the tranquil village of Sutton-on-Sea, Linconshire. David and Jane, owners of the Bacchus, had a vision for net zero. At the core of their vision was to be environmentally sustainable in all areas of the business. This began about 4 years ago with the installation of PV Solar panels. To complement this and to further move towards net zero Immersa were approached for a battery storage system.

SOLUTION PROVIDED

To facilitate the Bacchus Hotel towards their goal, Immersa installed an Alpha TB250/583kWh battery storage system. It is now home to a twin battery storage system allowing the hotel to remain free from grid energy for 6 months of the year. The system allows the business to move further towards net zero.

RESULTS & BENEFITS ACHIEVED

The battery storage system along with the solar array, not only cuts their electricity usage by 57%, but the hotel is also reducing their carbon emissions by 60 tonnes per year. A significant reduction, and a goal close to the ethos of the owners of the hotel. Along with the expertise of Immersa and the innovative storage system, this business has achieved the accolade of being the first Net Zero Hotel in the country.

CLIENT TESTIMONIAL

I have worked with Immersa on a number of projects where they have supplied and installed variations of battery systems across different sites. Their installers were very professional and were brilliant in helping ACOS install their first large battery system. We couldn't recommend Immersa enough and we're looking forward to working with them on our next lot of projects.

Andrew Cosgrove, ACOS

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