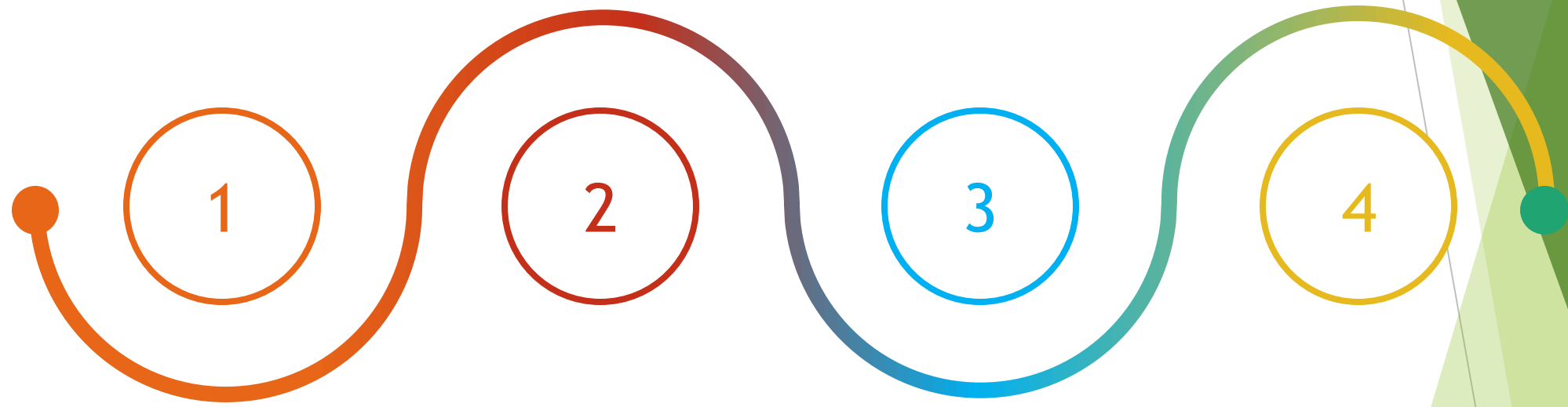




dynamic
energy
solutions

CASE STUDY - PV Repowering



Repower

Replacement and reconfiguration of your power asset

Increased Yields

Getting the most out of your assets.

Reliability

Expert teams with direct asset experience in optimization.

Functionality

Ensuring your assets are performing to their designed specification.

Typical Services undertaken

Dynamic Energy Solutions “DES” offer the following services across solar, wind and battery storage from domestic to utility scale renewables. Our engineers are chartered with over 50 years combined engineering experience .

Engineering

We pride ourselves in delivering high quality services. Our customers are amongst the most

respected names in the renewables industry, who have the high expectations that come with

this. DES pride ourselves on delivering our services to meet and exceed these expectations.

Projects

The DES team is made up of industry specialists and chartered engineers with many years

of experience working in the renewables industry. With expertise in solar, battery storage and onshore GWO wind teams.

High Voltage

Offering a reliable and honest service we can not only maintain but to also to ensure your assets are up to standard

Specialist Services

DES understands the requirements of the financial community. Our objective is to help you

achieve your financial goal, whilst taking away the burden of daily operations. DES will be your

technical arm freeing up time to allow you to focus on other areas.

Solar EPC

DES engineers have many years’ experience working on both the installation of large scale commercial solar projects. Through this

these projects. As well as overcoming more unique site challenges on a wide range of site set ups

EV Infrastructure

Full turnkey EPC solutions offering 3.7 - 150kw chargers both domestic and commercially.

We have been working directly with councils helping them achieve their NetZero on energy before 2030 this includes a combination of solar car ports and EV installations

Design

Consideration and mapping of the key technical, environmental and planning constraints to flag any potential concerns and making.

A proposed plan for the development of the project would be set out which then leads into the project design phase.

Consultancy

Our team of experts deliver both technical management & advisory services, giving a

unique understanding of the issues that can occur during the lifetime of an asset, whilst

also gaining insight of the requirements and constraints of investors and lenders.

Health and Safety at heart

DES has very quickly become the go to contractor of choice (our clients words, not ours) for many of the UKs largest O&M and Asset managers, due to the unique way in which we utilise our in-house expertise and knowledge to demonstrate and implement winning solution for our clientele.

We have built a strong reputation not only in terms of planning, implementation and quality workmanship, but also through our attention to Health & Safety practices, giving our clients the reassurance we are the best at what we do, while installing the best solution for their needs.

We pride ourselves on going the extra mile and delivering an exceptional service at the correct value. We have established many working partnerships with other SMEs to ensure smooth, on-time delivery, managing these with full sub-contractor evaluation and auditing.



Repowering your photovoltaic installations by using the latest technology to modernise and optimise your PV plant can considerably improve its availability and production. This will deliver a significant, improved return on your investment.

In addition to improved plant performance, you will also benefit from a reduction in intervention costs, with latest-generation components and equipment, and new possibilities in terms of operation and maintenance.

Repowering or revamping your PV installations is the key both to unlocking their long-term earning potential and prolonging their service life.

Why not explore the options for repowering - replacing photovoltaic panels and/or inverters in a solar energy plant currently in operation? Or explore whether revamping a specific element or elements at your installation will deliver long-term benefits? Our DES experts can be your guide for all your repowering projects, with tailor-made solutions that will be a perfect fit for your needs.

Our technical team in the UK has more than 50 years combined experience in developing, managing and operating renewable energy projects, working with customers to build long-term relationships built on trust and transparency.

Our repowering services in detail

- Drawing up optimised electrical and mechanical designs and a comprehensive completion plan
- Supply of PV modules, junction boxes, cables, structural inverter elements, HV transformers and switchgear
- Management of equipment transport and storage
- Contract management: managing all risks during the procurement and construction phase, transfer of ownership and guarantees associated with the SPV on commissioning
- Site set-up (base-lights, installations for the works, etc.)
- Dismantling defective/outdated PV modules and storage/packaging
- Managing PV module recycling
- Adapting structures, installing and connecting new PV modules
- Works management and safety guarantor
- Tests and commissioning
- Waste management









When you need professional electrical support services, DES is my go-to Company we work closely together on many projects nationwide. They are technically astute with many years' experience meaning we can fully trust their workmanship and advisory. Dynamic energy solutions are passionate about all aspects of their work – and there isn't another partner who can offer the service and value they bring to the table...

jamie grayson

Senior Technical Operations Manager



Dynamic Energy Solutions have been instrumental in our ambitions to achieve the energy goals for net zero, we have used them for both services and advisory. We would strongly recommend them for any electrical works. ...

katy monaghan

Facilities Manager



When you need an ICP or High Voltage company to help you Build or support, Dynamic Energy solutions are authentic people, strategy for your business. DES is my go-to Company as I grow my business and ensure I am using the best in the business and a culture that reflects the brand I have developed over the many years that I have been in business. Wise and passionate people, Dynamic energy solutions have passion for their work – and for their clients – that shines through...

barry bennett

Managing Director

Testimonials