



Net Zero - Managing your Energy Transition

Getting you ready
for the next Energy
Transition

The SRD Energy
Transition and Net
Zero Pathway Support
Package

THE NEW WORLD WE LIVE IN

Climate change, net zero, the Paris Accord, global warming, renewable energy, sustainable development – the energy industry is changing and business needs to change with it.

As the former Governor of the Bank of England, Mark Carney, has said: ***“Companies that don’t adapt will go bankrupt without question.”***

Against this backdrop, a question that every customer, every supplier, every employee, every financial institution, every asset manager, pension fund or insurer will be asking you will be: **what’s your plan?**

What should you be doing to lead your business through a transition to a more energy-efficient, green and sustainable future?

The world is changing and industry needs to change with it and embrace new principles.

“Renewable” and “sustainable” are common topics in today’s boardroom discussions. These are no longer buzzwords - but are now broad objectives that will shape the future success of business and for the planet.

Companies must now be good neighbours and protect the environment at the same time as creating value for their stakeholders.

How will you adapt your business to low-carbon energy use, reduce your environmental footprint to meet increasingly stringent standards, and navigate new regulations?

How will you turn challenges in your operations and energy and resources management into opportunities in new and existing markets?

SRD Technical can be your trusted partner assisting you to deal with these and other business challenges. We provide a full suite of practical services to help you meet these challenges - and opportunities - head on:

- ✓ Knowledge of the Energy Transition and how to implement strategies to attain “Net Zero”
- ✓ Clear identification of your route to Net Zero
- ✓ Compliance with ESOS and SECR
- ✓ Industry-specific consultancy based on experience and market intelligence tailored to meet the needs of your business
- ✓ Analysis of existing business processes and recommendations to achieve change with limited disruption to day to day activities
- ✓ Organisational effectiveness and recommendations for a clear path for managing your transition to a cleaner, greener business
- ✓ Identification of strategic advantages

“

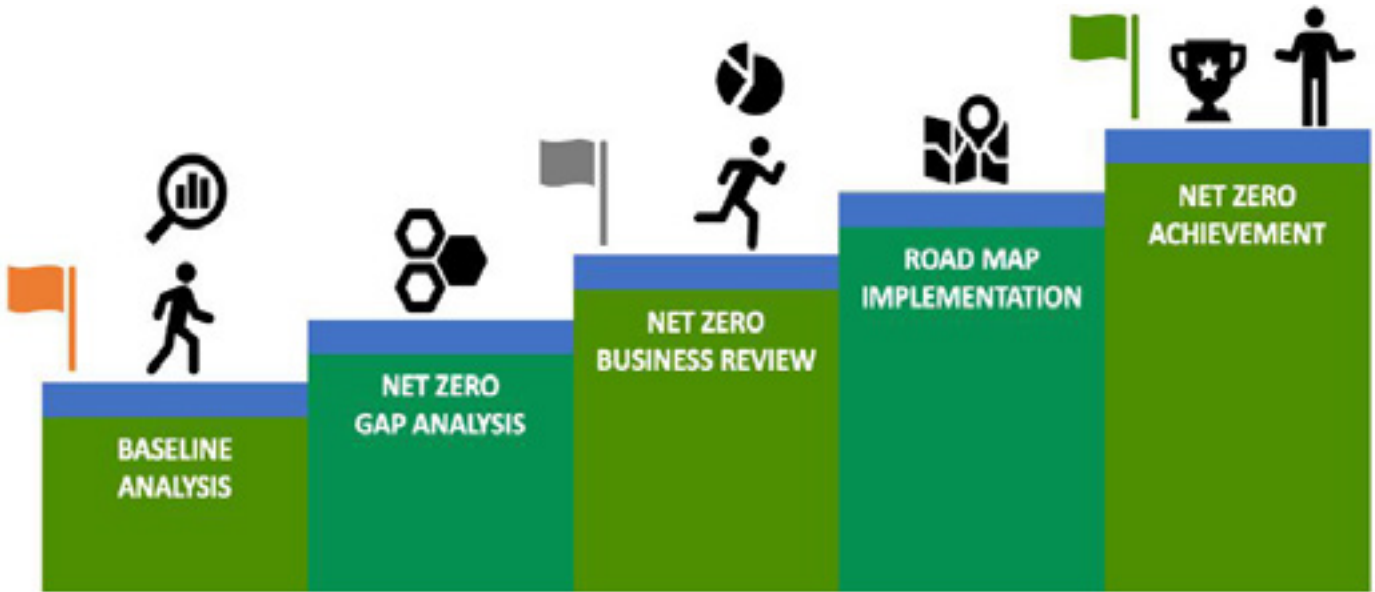
SRD's engagement with us made it clear that they understood the environmental challenges we are facing, and the more they engage with us the clearer things become, and the easier it is to determine what we should be doing to play our part in de-carbonising our business


”

Julian Taylor
Nobel Oil

OUR NET ZERO PATHWAY


The UK Government has signed you, your business, indeed all of us up to a 2050 Net Zero target. In June 2019, parliament passed legislation requiring the government to reduce the UK's emissions of greenhouse gases to Net Zero by 2050. It's not just a question of hitting that target at the last minute – to limit global warming we have to start now.



 **KICK OFF SESSION:** Wherever you are on your journey towards Net Zero, SRD can support you with our extensive specialist expertise in energy and carbon efficiency, sustainability strategies, waste management, data analysis and cutting-edge technologies, to work with you to develop a phased approach to help you achieve your Net Zero goals.

SRD will assist you with:

- ✓ Establishing a universal understanding of Net Zero
- ✓ Agree key objectives
- ✓ Agree timelines
- ✓ Roles and responsibilities
- ✓ Critical success factors
- ✓ Reporting systems

 **NET ZERO BASELINE ANALYSIS:** SRD will conduct a detailed analysis of your buildings, assets and operations to determine the full extent of your current carbon emissions, and their sources.

Emissions are classified into three Scopes. To meet current legislation businesses need only focus on Scope One and Two emissions.

However, for businesses that wish to gain real competitive advantage, Scope Three emissions from supply chains also need to be considered. SRD will conduct detailed analyses of your business processes and assets.

KICK OFF SESSION



NET ZERO BASELINE ANALYSIS



NET ZERO GAP ANALYSIS



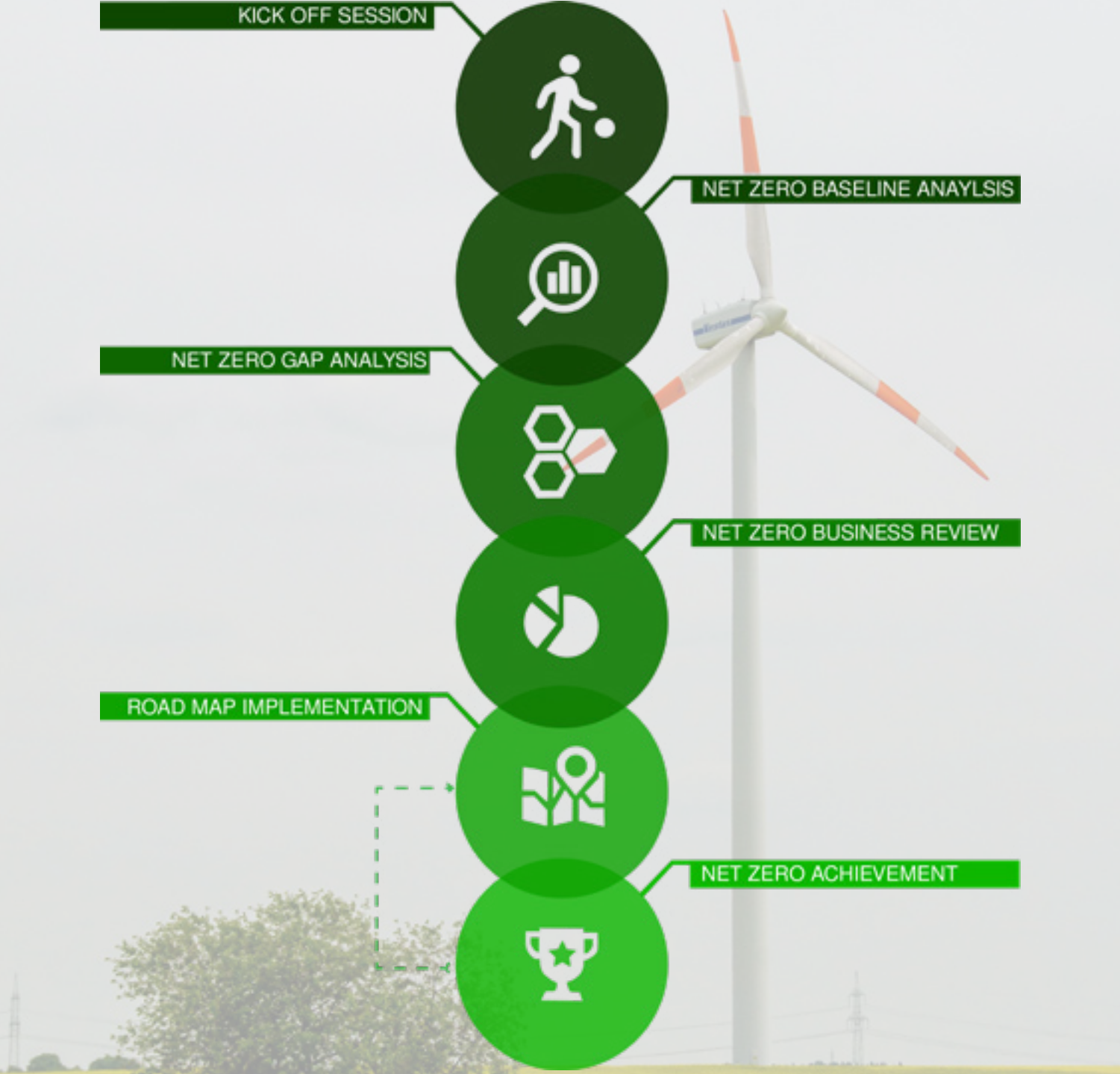
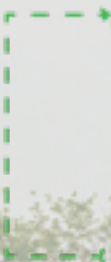
NET ZERO BUSINESS REVIEW



ROAD MAP IMPLEMENTATION



NET ZERO ACHIEVEMENT



We break this down into five simple steps:

- ✓ Determining the organisational boundaries
- ✓ Agreeing the baseline period
- ✓ Identifying the key environmental impacts for your organisation
- ✓ Measuring – collecting and collating the relevant data
- ✓ Reporting – consolidating the data into an easily understandable format and identifying metrics relevant to your business

We use a globally recognised approach and a UK government approved format for your emissions baseline:

Scope 1 – Direct emissions

We will need to understand if and how much liquid, solid, gas or biofuel you use for your operations – e.g. for heating. We will also need information on your owned vehicles – whether petrol, diesel, hybrid or EV, and how you use them.

Scope 2 – Indirect emissions from energy use

We collect and analyse data on your electricity consumption and, where relevant, your energy consumption for electric vehicles.

Scope 3 analysis – Indirect emissions from all other sources

This is where many of your commercial and strategic opportunities lie and an area which is currently overlooked by legislation, regulatory compliance and

many businesses. It covers every aspect of your business not covered by Scopes 1 and 2.

We adopt a light touch in this phase. We simply help you to quickly understand what data is needed, where you might find it, how best to structure it and what assumptions to make if you don't have it. We acknowledge that you know your existing business better than anyone, we just help you understand how to navigate a transition to a Net Zero business.



NET ZERO GAP ANALYSIS:

Following the baseline review we can then help you identify the essential first steps on your journey to net zero. Using the well established model of reduce, reuse, recycle and offset we help you identify both the actions needed and the timescale for moving towards a Net Zero business.

We will help you identify if there are things you can chose not to do or chose not to buy without adversely affecting your business.

There are immediate cost savings here, in addition to emissions reduction. We will help you identify what changes can you make to your existing operation that have an immediate affect with potential cost and environmental benefits?

When you have exhausted all other routes there is a place for offsetting. We help you understand your options and the different approaches available to you.



NET ZERO BUSINESS REVIEW:

A Business Review is an essential next step to maximising the value from your Net Zero journey.

SRD will assist you in establishing how your organisation is currently doing in addressing carbon emissions and begin to set the scene for a Road Map based on

*carbon reduction,
carbon conversion,
carbon green sourcing,
and carbon offsetting*

SRD's Business Review will identify:

- ✓ Simple operational changes you can make that reduce your emissions without jeopardising your business
- ✓ Any costs associated with the identified improvements
- ✓ Cost savings associated with the identified improvements
- ✓ Clean energy opportunities
- ✓ Supply chain opportunities from where you source your raw materials to how you dispose of your waste
- ✓ Wider resource efficiency opportunities
- ✓ Organisational behavioural change management to help cement opportunities
- ✓ How to generate maximum benefit from the changes through effective marketing
- ✓ Opportunities for improved access to grant funding, investment capital and tax breaks





ROAD MAP IMPLEMENTATION:

When you choose SRD to support your transition to Net Zero carbon our experts will be with you on every part of the journey from analysing and planning through to implementation and ongoing monitoring and certification.

Our solutions are integrated and carefully targeted to ensure you achieve the optimum emissions reductions in the most efficient and cost-effective way – enabling you to achieve your specific Net Zero goals. We understand that there is no effective “one size fits all” approach. SRD will advise and liaise with you on the following partnerships and activities:

- ✓ Use internal resources appropriately
- ✓ Help identify and appoint delivery partners
- ✓ Measure and verify performance
- ✓ Regularly review in light of new legislation, emerging technologies and innovations
- ✓ Ensure open and transparent communications with all

Our experts’ personal experience of successfully managing large organisations through extensive change, of tackling large and complex projects and of combining technical complexity with effective project management can all be brought to bear on the implementation of your Net Zero road map.



Typical Global Manufacturing Company Emissions

(Units: million tonnes of CO₂e)

Scope 1

Emitted directly

3.3 (3.0%)

From sources we own or control such as on-site combustion (coal, natural gas, fuel for company's vehicle fleet)

Scope 2

Emitted indirectly

2.5 (2.2%)

From the generation of purchased energy like electricity and heating/cooling network.

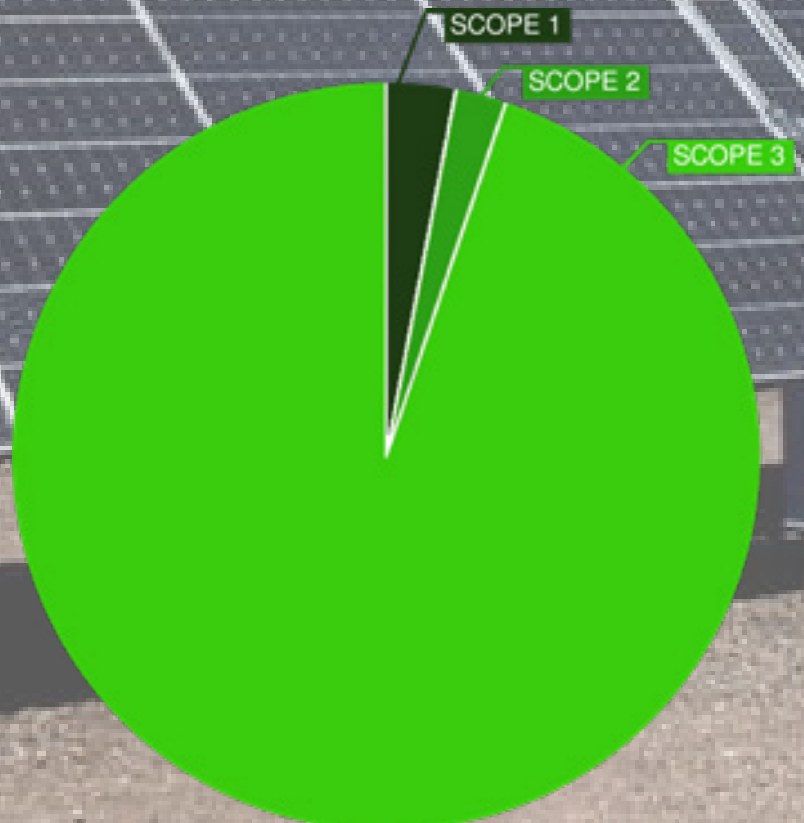
Scope 3

All other indirect emissions

107.3 (94.8%)

In a supply chain, both upstream and downstream, such as sourcing and use of sold products.

Figures have been rounded



“

SRD's Energy Transition consultancy has allowed us to get to the future, ahead of our customers, and anticipate the products & services they will require on their net zero journeys

”

**David Stephenson
Bead Environmental Ltd**

NET ZERO ACHIEVEMENT



NET ZERO ACHIEVEMENT:

Eliminating carbon from your operations poses a variety of challenges, and the measures required vary for different types of organisation.

There is no one-size-fits-all solution, and there are many obstacles to overcome – from cost and time constraints to allocating resources and establishing priorities.

That's why you need a zero-carbon specialist on your side – and when it comes to delivering on your carbon reduction commitments SRD is with you all the way.

We offer a unique breadth and depth of services that address every area of carbon reduction for your company.

Our systematic approach to measuring and analysing the emissions associated with your business, backed up by targeted services and solutions, offers a proven way to achieve guaranteed carbon savings.

SRD can help through all stages of your Net Zero journey whilst delivering value to your business.

We don't see this journey as simply a response to a regulatory requirement; it is an opportunity for you to differentiate, enhance and grow your business.

Below is an example of a Vision that you could achieve and celebrate your success with all your stakeholders.

Example of your Net Zero Vision to be achieved:



"Over the last 5 years, we have recorded a 74% reduction in the carbon footprint of the energy used throughout its supply chain, a 96% reduction in greenhouse gas (GHG) emissions, sourced 75% renewable electricity globally, and recorded a 92% reduction in waste to landfill across the global business. In short, we are at the vanguard of corporate sustainability leadership in our sector."

SRD Technical are ideally placed to support you with your Net Zero journey and would be delighted to discuss in more detail

CONSULTANCY SUPPORT

Our leading experts have been embedded in every corner of the energy industry providing strategic planning, operational oversight, data analysis and interpretation, and project planning and implementation services. Our lead consultants have experience of executing some of the most technically challenging projects on earth. They have also run large businesses and understand the need to take a holistic view.

We can provide advice and guidance on “getting to Net Zero” including:

- ✓ Project selection and portfolio optimisation.
- ✓ Knowledge of available and emerging technologies associated with the Energy Transition.
- ✓ Identification of business opportunities.
- ✓ Business strategy and planning.
- ✓ Organising for implementation.
- ✓ Risk Management.

We can assist your understanding of:

- ✓ Fossil / Renewable energy markets and available sources
- ✓ Legislative and regulatory drivers
- ✓ De-carbonising technologies.
- ✓ Sustainable development objectives.

And cut straight to the heart of issues such as:

- ✓ Project Management and Planning
- ✓ Supply chain optimisation
- ✓ Operational Excellence / Best Practice
- ✓ Organisational Design and Staffing
- ✓ Performance Management

- ✓ Business Process Improvement
- ✓ Managing competence
- ✓ Training and development

So how do you measure to improve?

How do you meet your own reduction targets? How do you assess and prioritise the opportunities for reduction utilising technologies, rationalising functionality or changing the operating philosophy?

It is not enough to focus on the marketplace of today. Truly effective competencies programmes will also help your organisation gear itself to the needs of the future.

Let SRD guide you through your journey to Net Zero.

SRD has a truly unique combination of:

- energy industry experience;
- project and programme management skills;
- leadership of large businesses; and
- technical expertise...

...which all provides a highly effective approach to turn the challenge of

Net Zero into an opportunity for success.



SRD Technical

The Business Centre
Colne Way
Hertfordshire
Watford
UK
WD24 7NF

Tel: +44 (0)1923 553007

Email: info@srdtechnical.com

Web: www.srdtechnical.com

