



**SIMPLE,
SUSTAINABLE
ENERGY SOLUTIONS**

ENERGY
DECARB
a St Baker Energy company



About Us

Energy DeCarb is a forward-thinking renewable energy business dedicated to partnering with clients to provide effective solutions to reduce their carbon emissions and the cost of electricity.

Our comprehensive approach begins with understanding our client's sustainability and emission reduction goals, their energy use and growth forecasts. We develop solutions to transform the way our client's use, generate and store electricity for their businesses while providing environmental benefits, cost savings, and risk mitigation.

We proactively support businesses in managing key issues such as:

- Rising electricity retail prices and network charges
- Increasing requirements to report and reduce emissions from business operations
- Controlling electricity supply by installing efficient on-premise energy generation and storage solutions
- Preparing for the electrification of vehicles in their fleet

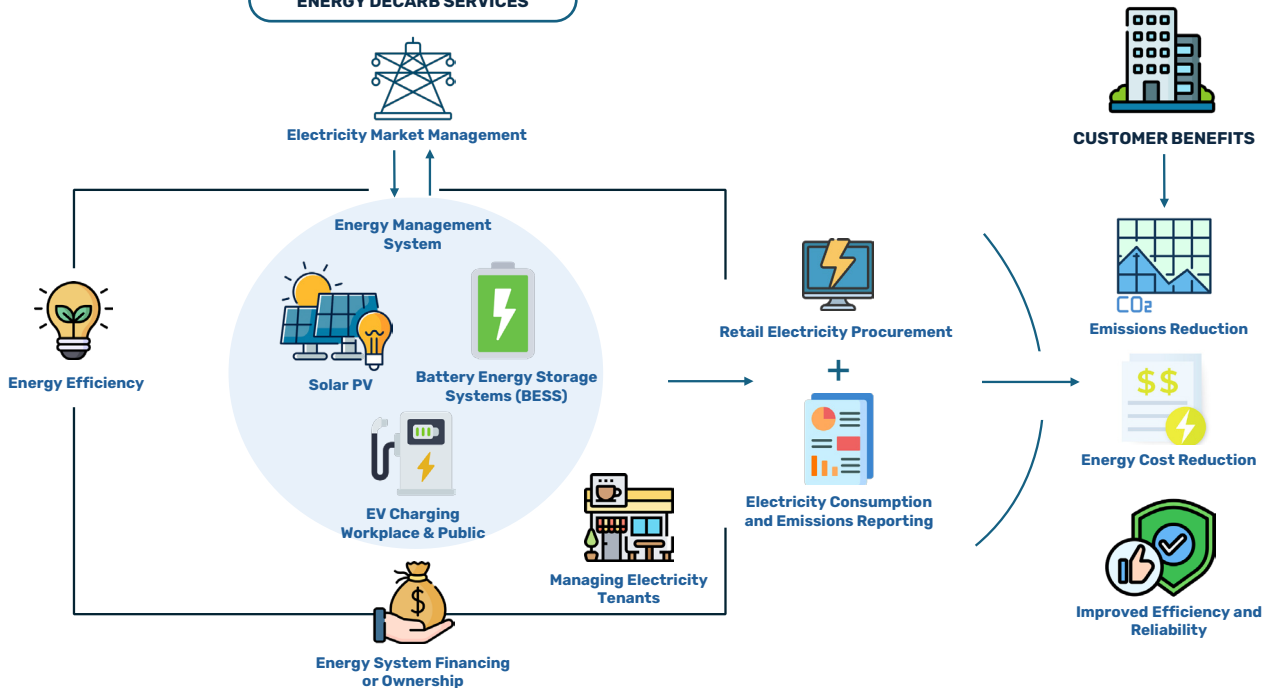
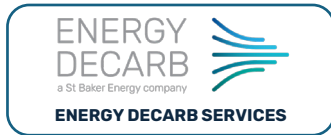
Energy DeCarb is part of the St Baker Energy Group, and draws on the Group's extensive resources, knowledge, and project capabilities to enhance our clients' solutions in areas including electric vehicle charging, and battery design and management. The St Baker Group has a strong record of accomplishment both in Australia and Globally in financing and delivering renewable energy projects.

Our Goal

We are committed to delivering practical solutions that enhance the value and performance of our clients' organisations by focusing on:

- **Corporate Sustainability:** Aligning our expertise with your sustainability goals to reduce your emissions footprint.
- **Optimising Energy Use and Reducing Costs:** Providing solutions to lower electricity consumption and costs.
- **Future Facing:** Ensuring today's solutions align with your future plans.
- **Investment Management:** Assisting with financing solutions to align with your capital deployment strategies.





Our Solutions

Our tailored solutions include a combination of products and services appropriate to our customer's needs such as:

- **Solar PV:** Design, supply, financing, installation, monitoring and maintenance of solar panels to maximise system productivity.
- **Battery Energy Storage Systems (BESS):** Design, supply, financing, installation, operation, and maintenance of BESS optimised to reduce costs, lower emissions, and create revenue streams from the electricity market through battery operation.
- **EV Charging:** Assessing opportunities, designing, supplying, financing, installing, operating, and maintaining electric vehicle chargers, in partnership with Evie Networks, Australia's largest public network operator.
- **System Financing:** Providing funding options including Energy DeCarb owning the equipment allowing customers to benefit from low emission electricity and EV charging with no capital outlay.
- **Energy Efficiency Services:** Providing energy efficiency audits advice and solution implementation.
- **Retail Electricity Procurement:** Managing the procurement of retail electricity to deliver on the client's needs at the lowest cost.
- **Managing Electricity Tenants:** designing, installing equipment and managing the supply of electricity to tenants.
- **Electricity Consumption and Emissions Reporting:** Providing consumption and emissions reporting with ongoing optimisation advice.
- **Electricity Market Management:** manage the interaction of our client's energy assets and energy consumption with the electricity wholesale market and the electricity grid to lower the cost of electricity.

Our Approach

Energy DeCarb uses industry leading tools to design and model the energy system to optimise emission and cost reduction outcomes for our clients.

Having determined the most appropriate energy solution, Energy DeCarb installs and manages operations through a software platform which ensures the requirements of the business are met. This includes using the battery to store electricity during periods of low cost and using this electricity at high cost times. We can also sell surplus energy into the market for a financial return. Energy DeCarb structures system operation to reduce the electricity network demand charges on the customer's bill as well as reducing the cost of the electricity consumed.

A typical approach to a project is:

Initial consultation: to fully understand the requirements and priorities of the client and their business needs

Preliminary modelling & analytics: to design and evaluate the possible solutions and identify the available benefits

Client Discussion: tailoring the options, timing and funding to align with requirements

Project Confirmation: confirm detailed scope, timelines and financing requirements

Project team structure: including any sub contractors

Implementation Management: ensure effective communication and delivery

System Configuration: to deliver on the outcomes for the client

Performance monitoring: adjust and optimise for changing requirements



Energy DeCarb Team

Energy DeCarb combines the expertise of:

- Highly experienced energy professionals with a proven record of accomplishment in developing, financing, constructing, and operating power projects across Australia. From large grid generation projects to rooftop solar PVs and BESS projects.
- The St Baker Energy Group with resources and knowledge from energy innovation companies in the St Baker Energy Innovation Fund portfolio.
- Experienced and reputable partners to support the project delivery and ensure all requirements of the client's needs are met. This includes leading system installers, energy retailers who provide electricity from the grid, and technology partners to ensure the system operates efficiently for the best financial return.

Core members of the Energy DeCarb team include:



Yvonne Macleod

CEO

Yvonne brings a wealth of experience to her role as CEO of Energy DeCarb, having an extensive background in electricity generation, distribution, trading and retailing. Her career includes senior roles at Snowy Hydro, Energex – Retail and Distribution, Alinta and RACQ. Yvonne has been deeply involved in sustainability, emission reduction and renewable energy projects, focusing on solar generation and the energy demands of the e-mobility transition. More broadly, Yvonne has worked across a range of industry sectors focused on achieving value adding growth and brings this focus to the Energy DeCarb clients.



Wayne Moulday

COO

Wayne brings decades of experience in electricity generation project development, project management, and economic modelling. Before joining Energy DeCarb, he held senior engineering and commercial roles at Delta Electricity and ERM Power.



Dr Housheng Zhou

Electrical Engineering

Housheng has a PhD from the renowned UNSW solar department, and his thesis dealt with optimising renewable energy micro-grids. Before joining Energy DeCarb, he worked as a Renewable Energy Engineer at AECOM and a Senior Business Development Engineer at Solgen (AGL).



Sam Lane

CSO

Sam has worked with two of Australia's Largest (Infinite Energy & The Mark Group) C&I-focussed solar companies and a leading Asset Management and sustainability Consulting Firm (HFM assets), delivering projects for companies like Coco Cola Amital, Western Power, Horizon Power, and Centuria. Before that, he was Senior BDM of Blue Star Energy (Sumitomo Group), participating in retail and wholesale electricity markets.



Gregory Abramowitz

Technical Design

Gregory brings more than 15 years of energy industry experience across trading, retail, and delivery functions. Prior to joining Energy DeCarb, Greg held technical design roles in the upstream oil and gas sector, and spent 11 years at AGL developing, delivering, and operating a range of new business initiatives including an LNG virtual pipelines business, and AGL's multi-asset Virtual Power Plant. Greg has a PhD in Chemical Engineering from the University of Sydney.

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