



Equity Partner

TECHNICAL FEASIBILITY FOR A WASTE WATER TREATMENT PLANT AND DESIGN CASE STUDY

Sustainability solutions from Sustainability Professionals

 **Objectives**

- An Equity partner asked us to complete a technical feasibility study for a specialised waste water treatment plant to revolutionise an industry and to arrive at designs where an 'off the shelf solution' did not exist.

 **Challenges**

- Varied team of consultants were employed globally so correct fit was needed.
- High standards of requirements from the client set a big challenge
- Global search was immense and there was a wide range of data.
- Specialised waste meant that there was a large knowledge chasm to cross.

 **Solutions found**

- Water characterisation established, wants, needs and assumptions
- Expert Environmental Engineering, research and data analysis team was formed.
- CONOPS created and requirement specification
- Detailed research into options, with international patent searches, technical reviews and consulting
- Energy and heat recovery analysis
- Management of change review completed
- Financial modelling and carbon analysis and comparative scenarios completed.
- Solution found that met full requirements via design that is innovative and proven.

OUR BENEFITS

Benefits One

High quality sustainability research and team support which was adaptable and agile.

Benefits Two

World class methodologies used to ensure success

Benefits Three

Responsive to client needs without excess waste and cost to delight the client

