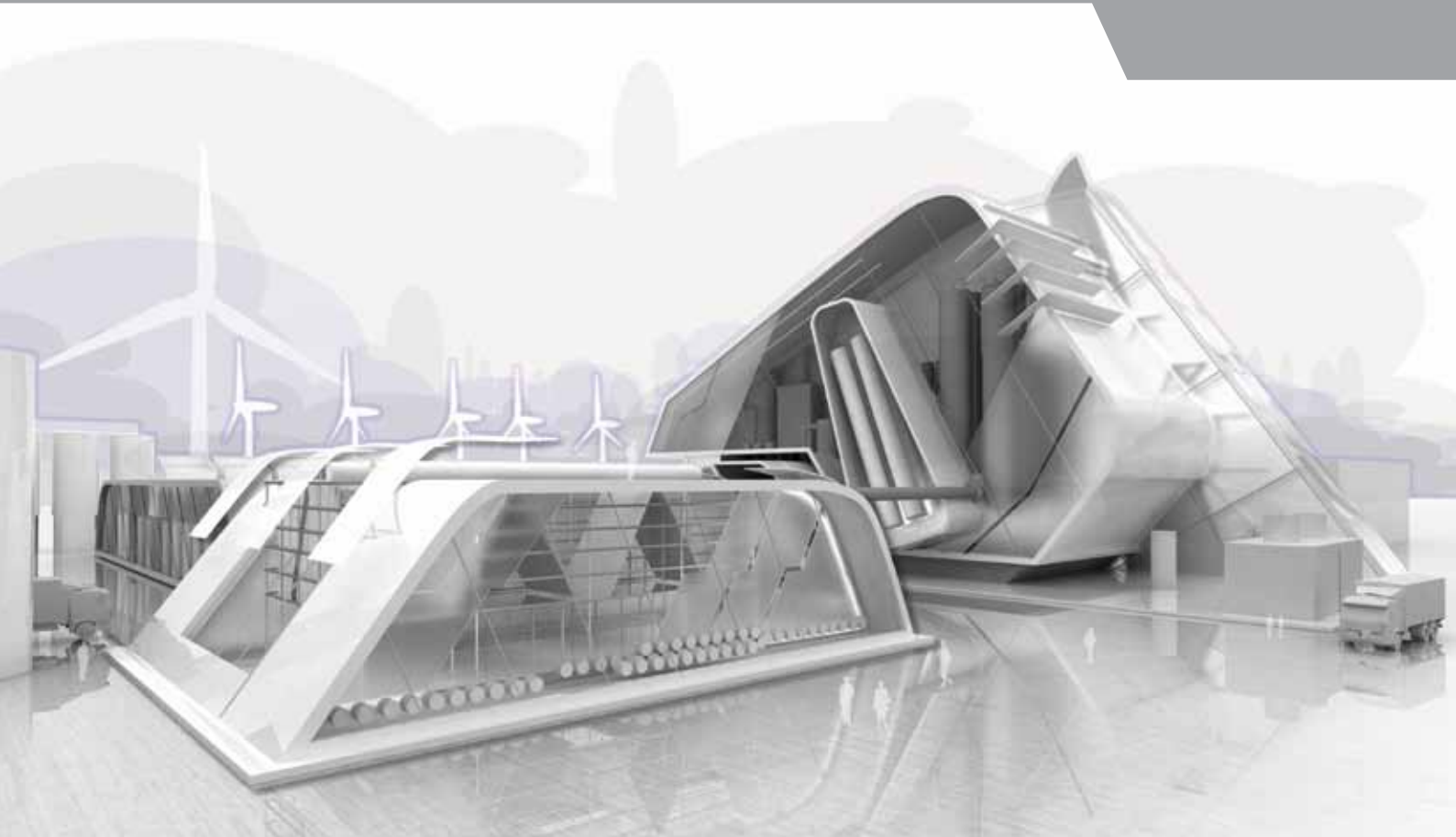


Passion for energy

Integrated solutions for tomorrow's environments



Crossness Sludge Incinerator, Thames Water

Passion for energy

Integrated solutions for tomorrow's environments

Managing waste creatively is a challenge. Increasing legislation and economic drivers need solutions that simplify the journey. We can help.

Simplifying the journey

Our teams provide you with hands-on support from due diligence and equity investment to construction and post-operational analysis.

Creating a safe and sustainable legacy

A project isn't just about handover; it's about the legacy it creates for companies, communities and the environment. Our commitment to you is that we will engage, employ and support local people and suppliers to build economic prosperity for communities.



Our customers expect bespoke solutions.

Business case development

Starting with your fundamental requirements we explore your options for energy generation from available feedstock.

Engineering development

You will benefit from the input of our multidiscipline teams - with process, design, construction and commissioning experience working collaboratively to coordinate and facilitate efficient solutions.

Maximising third party income

We ensure you get the most out of Feed in Tariffs (FITs), Renewable Obligation Certificates (ROCs) and Renewable Heat Incentives (RHIs).

Waste/feedstock analysis

We validate quantity and quality to determine energy generation.

Due diligence

Our expert engineers and specialists provide the right solution for your situation. From power campuses and 'energy from waste' to water treatment, our teams deliver across the full spectrum of energy and waste.

Masterplanning

Masterplanning is both an art and a science - we combine processes and logistics to deliver efficient, attractive environments.

Making waste beautiful

Our cross-discipline teams turn the mundane into the iconic. We focus on making the building match the process - we call this 'smart box'.

Investment

We take the lead on investment requirements and initiatives across a wide range of feedstock and technologies.

Secure grants

Closely aligned with changes and opportunities within the industry, we help develop business cases to support your projects and secure funding.

Finance

Explore

Design

Preparation

Options

Scheme design

Relationships are built on trust and we know that trust has to be earned. We are determined to exceed expectations in everything we do.



Delivering on time and to budget is essential. We know the importance of doing what we say we will do.

100% Safe

Being safe is of paramount importance. Our design teams carry out studies such as preliminary Hazard and HAZOP, HAZcon and HAZcomm studies as well as ATEX-compliance, HACCP reports and allied safety studies.

Supply chain integration

With a strong track record of delivering complex projects and our extensive team of supply chain partners, we are committed to the development of industry-leading solutions.

Stakeholder management

We liaise with project stakeholders as early as possible to ensure we obtain their support.

Mechanical and electrical

Integrated M&E teams work seamlessly with site teams, to balance plant and integrate specialist equipment. Testing and commissioning is achieved through rigorous processes.

Tunnelling

Our professionals are respected worldwide. From large scale water projects to a complex matrix of energy distribution, we excel at tunnelling design and construction.

Commissioning

We plan for success. Our targets are set in collaboration with you to achieve operational status from day one.

Training

Once a project is complete, we don't take a back seat. Our teams train you to operate and maintain your facility.

Post operational analysis

The ultimate success of any project is that it delivers the promised benefits. We evaluate plant output and optimise continuing performance.

Mobilise

Build

Integrate and learn

Operations

Pre-construction

Construction

Use

Our successes

Our successes

Energy and heat solutions

We offer you the most cost effective and environmentally friendly options, appropriate for future energy needs. From power campuses to nuclear, we have the skills and expertise to generate cheaper, greener energy future-proofed against volatile fuel supply markets.

When an airport wanted heat our ideas really set them alight

BAA Heathrow, Energy Infrastructure Project
Value: £31 million

Reducing Heathrow's carbon footprint

The Energy Infrastructure Project is the first phase in the implementation of the Heathrow 2020 site-wide energy infrastructure strategy.

- Renewable source of energy for Terminal 2 redevelopment
- Compliance with planning conditions for Terminal 2 redevelopment
- Supports the Terminal's BREEAM requirements.



BAA Heathrow, Energy Infrastructure Project

Water management

As it is such an essential and valuable resource, protecting our water supply is vital. We help to protect water resources by implementing sensitive management solutions.

When a leading water company wanted a long-term framework we asked for their hand in partnership

Welsh Water, Welsh Water Framework AMP4
Value: £130 million

Helping Welsh Water to be a sustainable provider

Our 10 year framework with Welsh Water manages sewer networks in south-east Wales – that's the project management, design, construction and maintenance of over 400 assets in 33 river basin catchments.

We are helping to achieve:

- Significant improvement in South Wales sewer networks
- Proactive engagement with stakeholders and the wider community
- Innovation and best value driven by collaboration and sharing of best practice.

For more Energy and Waste information, please contact:

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Morgan Sindall
Corporation Street Rugby Warwickshire CV21 2DW

morgansindall.com

Waste management

With increasing costs to manage and process waste, maximising outputs is essential. We offer a full complement of services including business case analysis and technology selection advice.

When a major utility company wanted a digestion plant we had the recipe for success

Welsh Water, Cardiff and Afan Anaerobic Digestion Project
Value: £70 million

Generating a sustainable future

As part of our framework and Welsh Water's proactive management approach we looked to:

- Provide a solution to the treatment of sewage sludge with fiscal and operational benefits
- Generate power for transmission to the grid
- Significantly contribute to the utility's sustainable resources drive.

When a major utility wanted a sludge incinerator, we gave them a work of art

Crossness Sludge Incinerator, Thames Water

Making energy and waste beautiful

Complying with EEC directives to terminate sea disposal this project processes 25% of London's sludge with an energy output of 15MWh with a minimal carbon footprint.

- Manages 25 per cent of London's sludge
- Situated on a sensitive Thames-side site
- Won a Civic Trust Award in 2000.



Afan Anaerobic Digestion Project

Morgan Sindall Group plc is a leading UK construction and regeneration group with revenue of over £2 billion and which operates through five divisions of construction and infrastructure, affordable housing, fit out, urban regeneration and investments.

Boundless possibilities