



ARC INNOVATIONS

The logo features the text "ARC INNOVATIONS" in white. "ARC" is in a large, bold, sans-serif font, while "INNOVATIONS" is in a smaller, all-caps, sans-serif font. A bright yellow curved line swooshes under the text from the bottom left towards the right. The background is black with white, torn-paper-like edges at the top and bottom.

ARC Innovations' strengths and expertise lie in our extensive understanding of the sustainable built environment and commercialisation of products in this market.

**ARC Innovations
offers products and
services that are:**

- Responsive to customer needs
- Agile and alert to the changing variables within industry
- Innovative, sustainable, and optimal when it comes to waste
- Practical solutions that benefit the client and the environment

Design Process

The design process allows for large economic and environmental saving for the materials applied in standard building practice.

The concrete is tested with high percentages of waste or by-product using ARC technology which leads to massive reductions in the Portland cement content for structural concrete.

At the job site we evaluate the materials available

Within 50-200km
**Waste or
Unnatural
Resources**

Evaluated based on carbon footprint, chemistry, crystallography and low cost.

Within 50km
**Commercial
materials**

We classify the activators A-C

**A
Commercial**

**B
Mix**

**C
Waste**

Class B is used to activate the mass wastes which are the binders

We partner with manufacturing clients

Within 50km
**Commercial
materials**

The client takes on the manufacturing of the final product.

We develop customized solutions for your project and use as much waste as possible to engineer a system which is sustainable, quality and usually costs less than the original system in place.

We do this by:

We develop customized solutions for your project and use as much waste as possible to engineer a system which is sustainable, quality and usually costs less than the original system in place.

We do this by:

Using less virgin materials in our designs and instead incorporating waste material from local projects and even waste directly for your project and reincorporating it into the design.

We develop customized solutions for your project and use as much waste as possible to engineer a system which is sustainable, quality and usually costs less than the original system in place.

We do this by:

Developing a product that uses low amounts of activators that works well with the source materials to create a material that often exceeds requirements.

We develop customized solutions for your project and use as much waste as possible to engineer a system which is sustainable, quality and usually costs less than the original system in place.

We do this by:

Going through rigorous testing and analysis in our laboratory in a quest to understand the materials to the fullest and therefore develop a holistic project design.

We develop customized solutions for your project and use as much waste as possible to engineer a system which is sustainable, quality and usually costs less than the original system in place.

We do this by:

Understanding the site and it's challenges in order to produce a system which works with the site and materials. This allows us to design efficient systems, saving on labour, production time, materials, and maintenance.

WHEN AN **ALTERNATIVE**
IS BETTER, GREENER, AND
LESS COSTLY,

WHY WOULD YOU STAY THE
SAME?





ARC INNOVATIONS

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