



Sector:
Deep Tech

Funding stage:
Seed

Website:
bkwai.com

What is it?

Bkwai is a Cambridge based software company that has built a data analytics platform for smart infrastructure and construction assets. By gathering data from ground-based sensors and satellite sources, Bkwai can provide meaningful insights to the engineers responsible for managing roads, bridges, and tunnels. This allows the engineer to mitigate safety risks, comply with regulatory requirements and optimise performance. As a result, they're able to make informed decisions on how to maintain, monitor and construct their infrastructure.

Bkwai in the longer term will build an exclusive industry-first data set on infrastructure asset behaviour. This will allow Bkwai to better train their models and get predictive insights on assets that are currently not possible today.

Why we like it

Infrastructure is extremely archaic, with legacy software systems in active use that are in many cases over 20 years old. Data analysis is currently conducted manually using Excel after sensor data is exported. The immediate-term benefit provided by Bkwai is automated and sophisticated data analysis on a dedicated platform. This is pioneering in the market.

The current sensor market has 20-30 suppliers, and customers are tied into the software that comes with specific instruments. Bkwai is a sensor agnostic technology, capable of combining multiple data sources (sensors, satellites and environmental) to provide a holistic understanding of asset behaviour. This is a first in the market. The techniques used are derived from Sakthy's PhD research in multimodal signal and data processing methods.

Who are we backing?

A core part of us backing the business is founder **Sakthy** and the management team. We are excited to back an exceptional female founder with a background of building a deep tech business. **Sakthy** is a PhD engineer from Cambridge and has 10 years' experience in senior roles within the construction industry. The broader management team is also strong, with a very experienced Head of Sales – James Still and a strong Head of Product in **Sonja Abhyankar**.



Simon King - Partner

"Data has the power to radically transform construction and asset management, but its full potential remains untapped and overlooked. We believe in Bkwai's mission to help engineers get the most out of site data, making infrastructure work smarter, faster and safer."

Key risks

While we are really excited about this company's potential, please bear in mind that like all early stage businesses, it's likely to encounter both challenges and opportunities along the way and ultimately may not be successful.

Early stage investing is considered high risk and your capital may be lost. Any associated tax benefits are subject to qualification, personal circumstances and legislation.