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With backing from the British Robotics Seed fund, Xcavate Robotics have developed two innovative construction hardware and software innovations (patents pending) with the potential to dramatically reduce project time, cost and emissions compared to current solutions.

- **Excavation and earth moving system** - this highly efficient solution can be fitted to new and existing mobile excavators to enable battery electrification as well as autonomous or semi autonomous operation. It can also be used in a static form with our Caisson solution.
- **Micro Caisson shell solution** makes use of our precision excavation capability to control sinking forces to enable the creation of subterranean space on small footprint sites in compact urban environments. Cost, time and disruption should be significantly reduced compared to more commonly used piled walled construction.

As our patent applications are not yet published, we would prefer to provide further details of our latest solution and working prototypes under NDA.



Potential use cases for our solutions include the following.

- Large scale infrastructure - flood plain mitigation, road construction (levelling)
- Urban small site - mobility (eBike/scooter storage and charging), smart city infrastructure, logistics and others – please enquire.

We are interested in discussing potential use cases, pilot projects and other areas of collaboration.

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