



LandHawk enables Arcadis planning consultants to deliver land portfolio assessment in record time

Arcadis is one of the world's leading companies delivering sustainable design, engineering and consulting solutions, for natural and built assets. They are dedicated to improving the quality of people's lives around the world with sustainability at the heart of everything they do. Their people-centric solutions leverage digital technology to address important societal challenges in areas such as water, environment, buildings, and infrastructure.

Challenge

Warwickshire County Council (WCC) are a long-standing client of Arcadis. In response to the UK housing crisis, the UK government challenged WCC to maximise the delivery of homes from their portfolio of 400 land assets. They needed to quickly identify which parcels of land that could be brought forward for development, individually or part of a land assembly with One Public Estate, and ensure their housing plan would be deliverable. Central to this was having a handle on the financial viability and socio-economic impact of each parcel of land they owned during the process.

Highlights:

**Data-driven
accuracy**

Digital Consultancy

**80% faster,
lower cost**

Housing plan-making

**400 sites
~4 weeks**

Site assessments

WCC engaged Arcadis expert planning consultants, working in partnership with LandHawk to deliver a digital consultancy experience with more robust planning outcomes than WCC could have expected by using traditional consultancy approaches. This approach involved an integrated digital solution comprising both the Landhawk Platform and Arcadis Place Intelligence digital planning application..

Solution

LandHawk worked with Arcadis consultants and planning officers to identify sites matching WCC's complex search and prioritisation criteria. For this, we used a customised version of the standard LandHawk Search & Assess service, applied the client well-defined land portfolio and search area.

Landhawk and Arcadis worked closely with WCC to build and execute a customised search model. Site assessments used LandHawk's standard development risk assessment algorithms to generate Site Card risk reports using our extensive range of data sets this enabled the council to see the environmental impact of each site. Using LandHawk technology, the team were able to assess 400 sites, prioritising and short listing 40 candidate sites for accelerated housing delivery, within two days.

In partnership with LandHawk, Arcadis were able to deliver their client project digitally, with all of the LandHawk results and assessment data visualised through Arcadis Place Intelligence for the client. Data from both platforms was then exported to prepare a traditional consultancy client report.

Benefits

This digital consultancy approach provided WCC with a robust and defensible strategic housing plan 80% faster: a fraction of the 3-6 months it would normally take with a significant cost saving too. WCC would expect a single site assessment of capacity, viability and deliverability to take 4 weeks using expensive experts, whereas with Landhawk and Place Intelligence this happens in seconds.

The other benefits of digital consultancy to WCC were the ability to optioneer around site delivery and getting on with executing the plan earlier, to deliver much needed homes faster. For Arcadis, this approach meant they were able to fully digitalise project delivery and be more competitive.



"LandHawk is one of the most forward thinking land planning technology companies out there. They have enabled us to significantly cut down our site appraisal time for Local Authority clients by using LandHawk technology so we can now deliver more projects, reliably and quickly"

Dan Gregory, Associate Development Manager @Arcadis

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