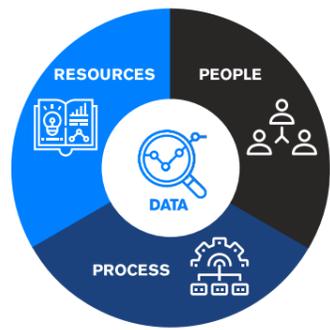
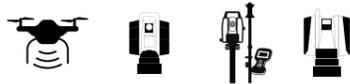


CONNECTING GEOSPATIAL DATA

Connecting geospatial data and
intelligent decision-making.

IntelliSpatial

IntelliSpatial: the point of difference



IntelliSpatial

APPLYING SPATIAL TECHNOLOGY TO OPTIMISE THE LIFE OF OUR CLIENTS ASSETS

In the ever-changing and highly technical realm of geospatial data collection, digital measurement, surveying and mapping, the field of solution providers has become crowded.

The art of this science is not the collection of data alone: it's about understanding what data you need, how best to access it, analyse it, and effectively apply it to your exacting needs. This is particularly vital for assets owners with annuity-style revenues.

So, you want to build something new. Or you want to assess the state of the buildings, construction progress or infrastructure you already have. There are myriad ways to embark on this pursuit and an array of databases to mine in the process. And then – as a clear source of difference – there is an advanced geospatial data portal called IntelliSpatial.

It's the innovative creation of nationally based ISGroup and its associated companies and partners. As the name implies, it houses the ability to acquire and apply knowledge and skills for the collection of geospatial information of substantial value.



IntelliSpatial was conceived in 2020 with one clear purpose: to provide solutions that harness three-dimensional spatial information that enable asset owners, managers and builders to better understand the built environment, allowing them to make educated and enlightened decisions that lead to continuing returns on their investments in their respective assets.

“ It's about understanding what data you need, how best to access it, analyse it, and effectively apply it to your exacting needs. ”



But the distinctive element resides in what the full name implies: combining intelligence across space, relating to position, the geometry, and the size of the elements within that space: a single source of truth for geospatial data. It provides the starting point to geospatial information management and digital engineering, not finding problems but searching for and delivering solutions.

IntelliSpatial provides three-dimensional visualisations of the world in which we live. It maps the natural and as-built real world environments. It matches data and its attendant analytics to provide a highly detailed creative dataset for interpretation and utilisation by key decision makers.





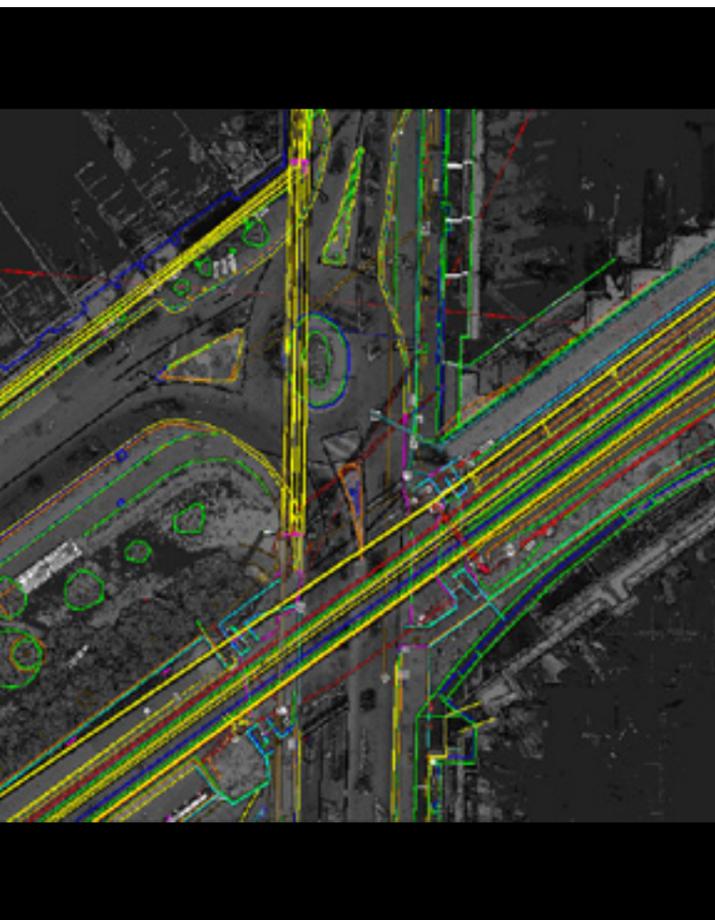
IntelliSpatial Portal

Clients and asset owners access their data through the IntelliSpatial's proprietary portal. It's not so much a product but a dynamic, organic system. It sits at a hub fed by multiple databases that harness all of the group's data – each business arm contributes to data collection, management and analytics that give life to IntelliSpatial's extensive capabilities in generating fit-for-purpose aggregated data. In essence, this forward-thinking engineering of 'digital twins' provide virtual representations of assets and processes that can function as real-time digital counterparts – not simply models – to physical objects (say, buildings) or processes (infrastructure) and their respective specific objectives.

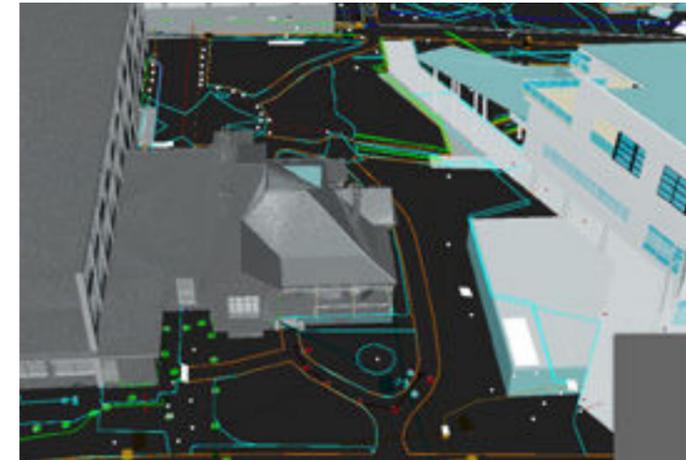


It utilises industry standard and proprietary reality capture technology that includes high-definition scanning and imagery, virtual and augmented reality (AR and VR), the Internet of Things (IoT), and connected sensors. Combined, these provide a geospatial ecosystem for real-time data analytics via the connection of digital twins to reality. The IntelliSpatial system helps decision makers to minimise design costs at the outset of construction projects, reduce maintenance expenditure once an asset is in operation, and assist in revising the foreseeable continuation or predicted eventual closure of a building, facility or infrastructure asset.

“ A single source of truth for **geospatial** data. ”



Intellispatial is targeted to meeting the needs of engineering and design houses, assets owners and infrastructure and building construction entities. It provides specifically for linear assets such as road and rail, institutions such as schools, universities, facilities and hospitals, multi-asset portfolios such as business, industrial and retail/shopping parks, and construction of long-life infrastructure and buildings.



“ **Digital twins** provide virtual representations of assets and processes that can function as real-time digital counterparts. ”

Digital Twin

3D Visualisation displayed



SPATIAL **iS** DATA
DATA **iS** INFORMATION
INFORMATION **iS** INSIGHT
INSIGHT **iS** KNOWLEDGE
KNOWLEDGE **iS** INTELLIGENCE



t. 1300 526 378
e. info@intellispatial.io
w. intellispatial.io

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