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The foundations of geospatial knowledge infrastructure





Today our data is foundational to economy, environment and wider society

Protection of Life / Security Services

Land & Property Lifecycle

- Reduced risk and delays in the conveyancing process
- Improved identification of development site opportunities

- Improved situational awareness for reduce emergency response wait times
- Enhanced risk modelling for increased resilience to incidents and natural hazards

Environmental Monitoring & Regulation

- Better informed issuance and compliance monitoring of environmental permits and agricultural subsidies
- Prevention and containment of animal diseases

Understanding Commercial Risk

- Better climate and environmental information at point of quote
- Reduced mortgage default risk
- Safeguarding against fraud





Effective Planning Framework

- Faster and more appropriate planning application approvals
- Enhanced ability to identify noncompliance

Effective Citizen Services

 Improve provision of local services (e.g., school admissions, waste management, care for the vulnerable)



Critical applications of geospatial information





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Efficient Transport Systems

- More efficient infrastructure investments
- Better informed passenger demand modelling
- Optimised route planning for reduced journey times

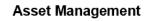
Land Registration

Richer evidence base to inform land title creation and identification of land changes

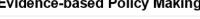


Evidence-based Policy Making

Data-driven policy making and improved policy compliance and monitoring

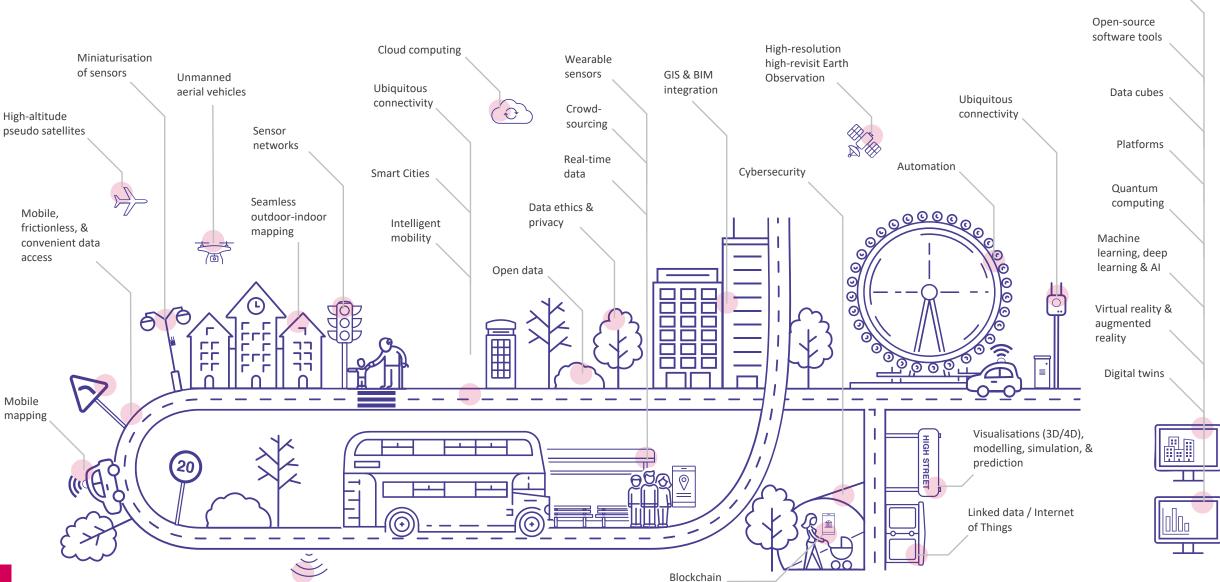


Improved ability to track the location of and maintain assets owned by central government, local authorities and private companies



Source: OS user research

The world of geo-data has fast evolved and continues to do so



Web-service

infrastructure

Placing increased emphasis on data aggregation & enrichment

