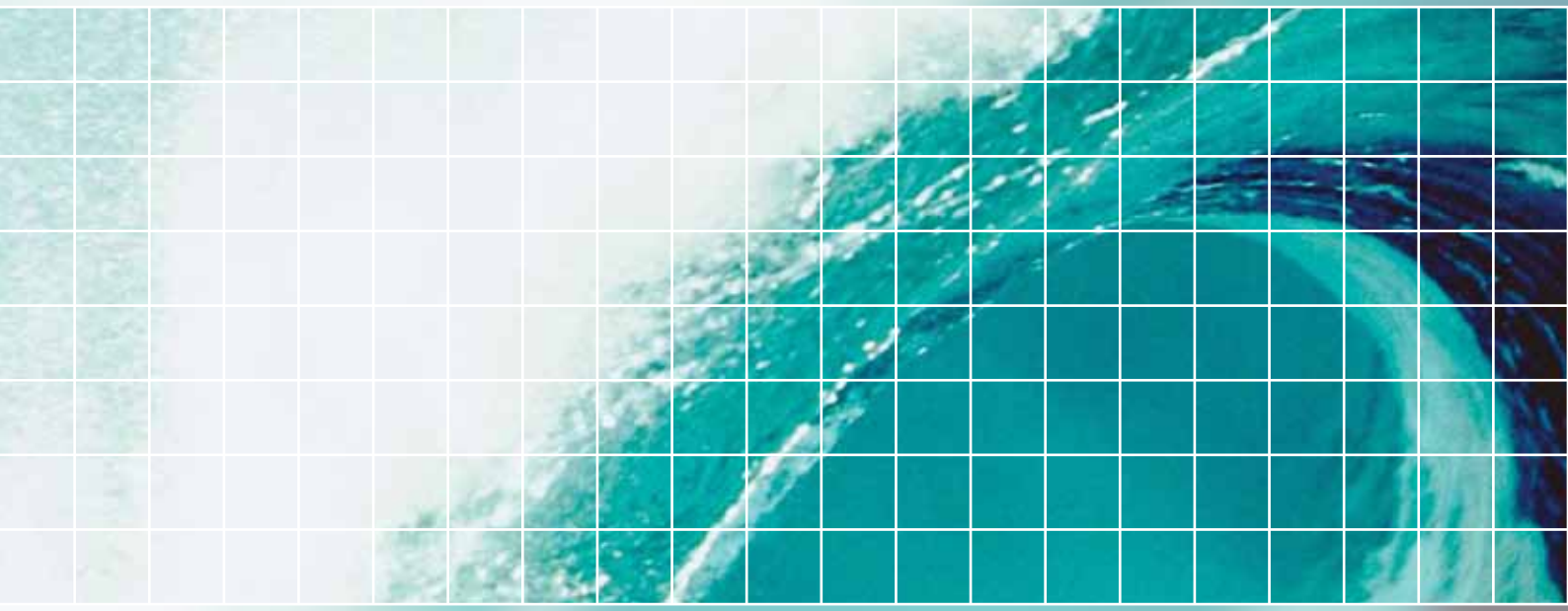
ESRI UK
Visionary Thinking

Streamlining your success

ProductivitySuite

ProductivitySuite



Streamlining your success

At ESRI (UK) we are committed to helping our customers get the most out of their Geographic Information Systems. Our range of integrated productivity tools are designed to improve business processes and enable GIS users to reduce their workload and extend their productivity.

Key advantages of ProductivitySuite

ProductivitySuite allows you to meet your GIS-related business challenges head-on. It provides a consistent, cost-effective and straight forward means of managing and using your UK data within an ArcGIS environment. With ProductivitySuite, organisations reduce the time, costs and effort associated with data administration and maintenance, while increasing user productivity.

ProductivitySuite provides a comprehensive set of productivity tools that help streamline processes in the following areas:

- Ordnance Survey Data Conversion
- Data Maintenance and Administration
- Place Finding and Locating
- Analysis
- Housing Estate Management

Designed to work with all Ordnance Survey MasterMap® data layers, The ProductivitySuite Data Conversion Tools make it easier than ever for users to leverage the power of Ordnance Survey MasterMap data. Using these tools, users can efficiently manage data conversion for initial loads, data re-supplies and change only updates, with the option to archive data.

ProductivitySuite also provides powerful gazetteering and geocoding functionality that enables users to easily search across large datasets. The introduction of the LocatorHub toolbar delivers seamless access to the LocatorHub gazetteer web services. LocatorHub users can now configure the application, select a service and search for locations directly from ProductivitySuite.

In addition to standard measurement tools, the Analysis tools in ProductivtySuite offer a range of unit measurements and include support for snapping. These tools enable users to accurately measure and mark up lines and areas on an Ordnance Survey map.

The Housing Tools deliver functionality that automates key processes and streamlines the selection and management of Land Parcel data. With powerful configuration functionality for selecting, querying and editing, the Housing Tools enable users to efficiently load and manipulate their data.

Quickly search for and locate to addresses using services provided by the LocatorHub framework and functions on the new LocatorHub toolbar.

Use an intuitive interface to select from clear text descriptions of settings in the UK Gemini metadata editor.

Data Conversion Tools

The ProductivitySuite data conversion tools provide a comprehensive capability to utilise Ordnance Survey (OS) data in ArcGIS. The OS MasterMap processing tools are available integrated as wizards in ArcGIS desktop or through ArcToolbox, allowing the user to easily build models that combine a number of processes on the data, or that schedule conversion and updates to happen at set times.

OS MasterMap Data Conversion Wizard

Developed to convert and manage OS MasterMap data, the wizard converts data directly from OSGB GML format into an ESRI geodatabase. It also allows change only updates to be verified and accepted before they are imported into your database. In particular it supports a multi-user editing environment and allows asset data to be updated in line with basemap changes before these changes are visible to consumers of the base map.

OS MasterMap Geodatabase Exporter Tool

Enables users to prepare converted OS MasterMap data for burning onto a CD or DVD before being transferred to another geodatabase.

OS MasterMap Geodatabase Importer Tool

Allows users to import data into a geodatabase by accessing data transferred onto CD using the Exporter tool.

Geodatabase Filter

Enables users to create OS MasterMap geodatabases or shapefiles from data in the main OS MasterMap data repository. By either selecting data with reduced attribution and/or optionally cookie-cutting into a smaller area, users can select data to edit and model, in an ad-hoc and independent manner. The tool also copies data so that it can be shared between geodatabase types for flexible working.

Imagery Tool

Designed specifically for working with OS MasterMap Imagery and OS raster datasets, this tool can create ESRI world files for the images, build image catalogues and add spatial references to the images. For OS MasterMap Imagery data, metadata viewable in standard ArcCatalog metadata functionality is also created.

OS NTF Data Conversion Wizard

The NTF Converter tool allows the loading of NTF datasets into ESRI geodatabases, including OS Landline, OSI and OSNI data.

Data Maintenance and Administration

PAI Tools

These allow database administrators to manage changes in user datasets following PAI updates from Ordnance Survey.

OS MasterMap Tools

A set of powerful tools that allows clients to effectively manage and apply change to their own datasets captured from, or based on, the OS MasterMap base map. This includes both real world change and accuracy improvements like the OS PAI programme.

Association Tools

To establish and maintain a persistent association between client datasets and the OS MasterMap base map via the TOID.

Association Analysis Tools

To symbolise the effect of changes to the OS MasterMap base map on clients datasets, including: highlighting features in the client dataset that need to change after application of change only updates to the OS MasterMap data; generating historical views of the OS MasterMap data; and symbolising change to the OS MasterMap data.

Visionar

ProductivitySuite provides a comprehensive set of productivity tools that help streamline processes in the following distinct areas:

- Ordnance Survey Data Conversion
- Data Maintenance and Administration
- Place Finding and Locating
- Analysis
- Housing Estate Management

Geometry Improvement Tools

To replace geometry in client datasets that was captured from less accurate sources than OS MasterMap or to replace older OS datasets with geometry created from a composite of one or more OS MasterMap feature geometries.

Place Finding and Locating

Locator Tools

These tools allow searches against online gazetteer web services as well as postcode level gazetteer searches using local or LAN based data sources. It is also possible to geocode address data to postcode level using online gazetteer services.

LocatorHub Toolbar

ESRI (UK)'s LocatorHub delivers high-performance address resolution and geocoding to any business application. It enables searching of multiple addressing datasets and allows results to be merged in order to return the most appropriate address.

Users who have purchased ESRI (UK)'s LocatorHub can access it via the LocatorHub Toolbar to seamlessly connect and consume any LocatorHub gazetteer web service and then search locations.

Local Gazetteer Tools

These enable users to search local gazetteers and identify and zoom to OS national grid references.

Local Gazetteer Search

The Gazetteer Search tool provides entry-level gazettering functionality against any database table that contains address or location information.

Zoom to OS

Allows users to zoom to a specified OS grid reference, NGR grid reference or OS map sheet.

OS Identify

Identifies which OS Map sheets cover a particular point by interactively clicking on the map. Any particular map sheet can then be selected and the map zoomed to the extent of that sheet.

Analysis Tools

Line Measure Tool

Enables users to measure the length of a line feature or a line graphic.

Area Measure Tool

Enables users to measure a polygon feature or graphic, including snapping to vertices of existing features.

Red Line Tool

Automatically inserts an accurate red line around the inside boundary of a land parcel, in compliance with HM Land Registry regulations. A template can be set up to print the map to a set scale for deed documents and other accurate plotting requirements.

T Mark Tool

Captures boundaries to show responsibility or ownership, these can then be displayed on a map by using the conventional 'T' symbol.

y thinking in action

Housing Estate Management*

Specifically designed for use by Housing Associations, the Housing Tools can be installed separately upon request.

Land Terrier Tools

A toolbar which includes the following:

- A DXF Group Layer tool for loading DXF Land Line and Meridian data into the map as a group layer.
- A set of tools to manage the acquisition, disposal and letting of land parcels.
- A tool to show Tenure Ownership on a specified date.
- A Text Viewer for symbolising DXF annotation as labels on the map.

SQL Table Loader Tools

SQL Table Loader allows users to set up a series of pre-defined queries of in-house data (such as Void Locations and Rent Arrears hot spots) which can then be brought into ArcMap as snapshots.

The user friendly dialogue enables users to point and click to access relevant data. Minimal knowledge of SQL is required and the query can be executed to check that it produces the desired results. Once written and validated, SQL statements can be named and saved for future use (symbolisation produced for saved queries can also be retained).

Amenity Manager

A set of Grounds Maintenance related tools including:

- A Configuration Tool that configures contractor details, amenity types and charges for the various tasks (e.g. grass cutting or planting).
- A Parcel Manager Tool that allows parcels to be configured in terms of parameters. For example, how often an amenity action needs to be taken.
- A Cost Tool that calculates the price of using various contractors to maintain particular parcels and indicates the cheapest option.

ImageViewer

This hot linking tool allows the user to click on any point on a map and open a pop-up box with access to any document relating to the selected area.

ProductivitySuite

ESRI UK
Visionary Thinking

The Geodatabase Filter tool can use file-based geodatabases for both source and output destination to ease data copying.

Automatically recognise and use conforming land parcel data layers in your Housing – Amenities Management work.

ESRI (UK)

ESRI (UK) is part of the global ESRI network. With the single, largest pool of GIS expertise in the UK, the company is the technical authority on GIS. ESRI (UK) provides solutions, technology and services including off the shelf applications built on the ArcGIS software suite and an extensive range of consulting and training services.

Its offerings meet a range of business needs in different markets including Business, Local & Central Government, Public Safety, Utilities and Telecommunications, as well as catering for system integrators and application developers through the ESRI Developer Network.

ESRI (UK)'s customers include both public sector clients such as Leeds City Council, Metropolitan Police, DCLG, The Environment Agency and businesses including Thames Water, Royal & SunAlliance and The AA.

By building a deep understanding of its customers' needs, ESRI (UK) is able to help businesses become more profitable and public service more efficient through the better use of GIS. This process of enhancing sustainable business growth by developing solutions with the power to anticipate and meet industry specific requirements is known as Visionary Thinking.

Training

ESRI (UK) runs a full training programme each year. These courses can also be tailored to your precise requirements and can be delivered at your premises. For more information visit www.esriuk.com/training.

Results derived from road speed information

Please be aware that, whilst the source OS ITN data does not include road speed information, nominal average road speeds have been assigned within the ProductivitySuite for ArcGIS software ("Software") according to road classification. The application of road speeds is limited by both the general unavailability of up to date and accurate speed limit information and that the Software does not differentiate between urban and rural roads without optional manual intervention in the network by the user after the Software has completed building the network. The Software therefore allows the user to customise road speed information for their particular needs and ESRI (UK) therefore accepts no responsibility or liability for any inaccuracies in routes generated by taking road speed information into account, whether default or user customised speed information has been used.

* Extra cost services

ESRI (UK) Ltd Millennium House 65 Walton Street Aylesbury Buckinghamshire HP21 7QG
T 01296 745500 F 01296 745544 E info@esriuk.com www.esriuk.com