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eVO™ for Housing

The eVO Platform features the most advanced GIS and geospatial application server-based technology available. The eVO Platform comprises entirely JavaScript internet browser client applications, including: Intranet (Earthlight), Internet (Aurora) and Mobile (Voyager) applications - enabling housing association officers to fully geo-code and manage spatially their operations on a strategic, tactical and operational basis.

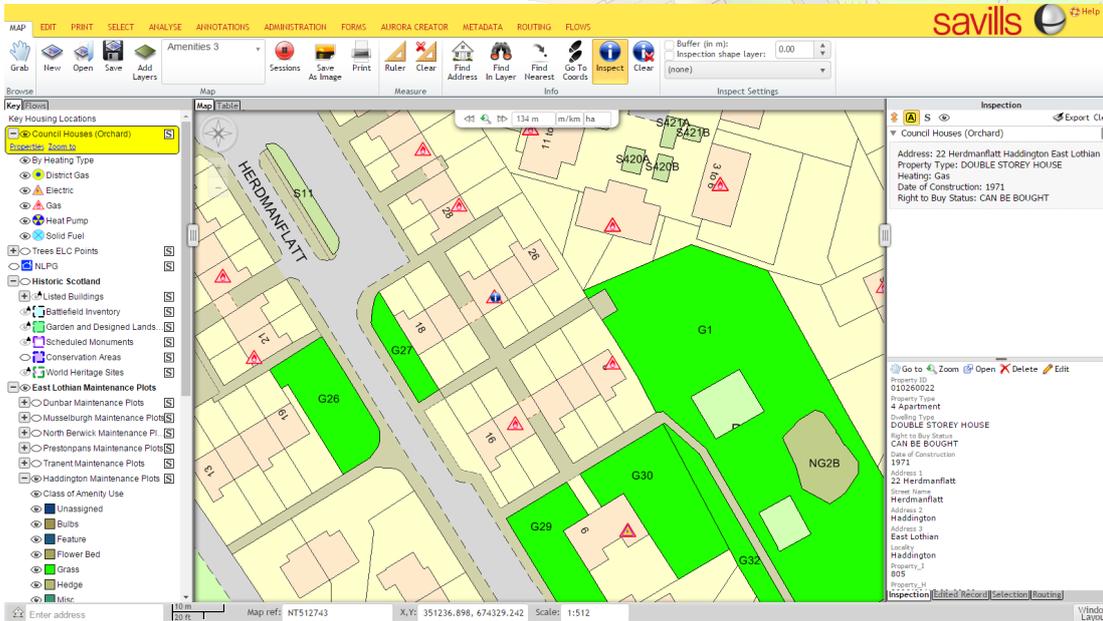
Housing applications

Typical applications for Housing Landlords to which eVO products can be put are:

Classification of Properties: integrate with housing management data from business systems for property construction.

Spatially analyse Tenants: integrate with tenant management systems to analyse demographic distribution of tenants - e.g. ages, household sizes, proportion of tenants of working age.

Earthlight EVO user interface



Rent Arrears: create cluster and heat mapping for identifying areas where rent arrears are highest.

Court Actions: identify areas where court actions are being undertaken against tenants.

Estates and Land Ownership: eVO Platform products can be used to maintain easy access to land ownership

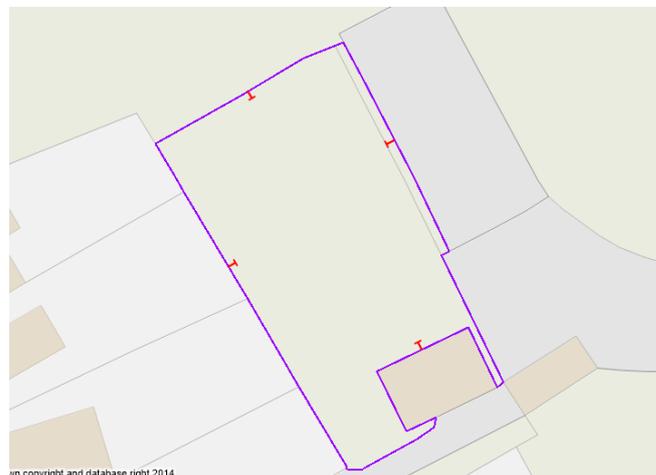
Spatial Decision Support

eVO Platform applications provide powerful spatial analytical capability, allowing housing association staff and officers to retrieve and provide information in innovative ways, such as improving efficiency of public consultations, better targeting of households located in areas exhibiting or possessing particular socio-economic indicators, improved site selection and development opportunities for social and affordable housing.

It enables you to get a view of your business data on either a macro or micro level in a matter of seconds.

and estates information and disseminate to all staff. EVO can also be used to create and maintain your cadastral land

estates / gazetteer.



Rich controls within Earthlight enable you to maintain 'T' markers, etc, to identify ownership of property boundaries, etc.

Repossessions: the locations (and clustering) of repossessions for particular periods of time can be extracted and shown.

Transfers: identify why houses are rejected by tenants / potential tenants and why the tenant wants / wanted to move to the area.

Resident Satisfaction Surveys: show whether tenants in areas are satisfied or dissatisfied – and look for clusters of dissatisfaction. There may be compelling local reasons for dissatisfaction which are entirely unrelated to the accommodation itself.

VOID Properties: identify properties which are VOID and improve 'turn around' times for ensuring properties are brought back into use as quickly as possible;

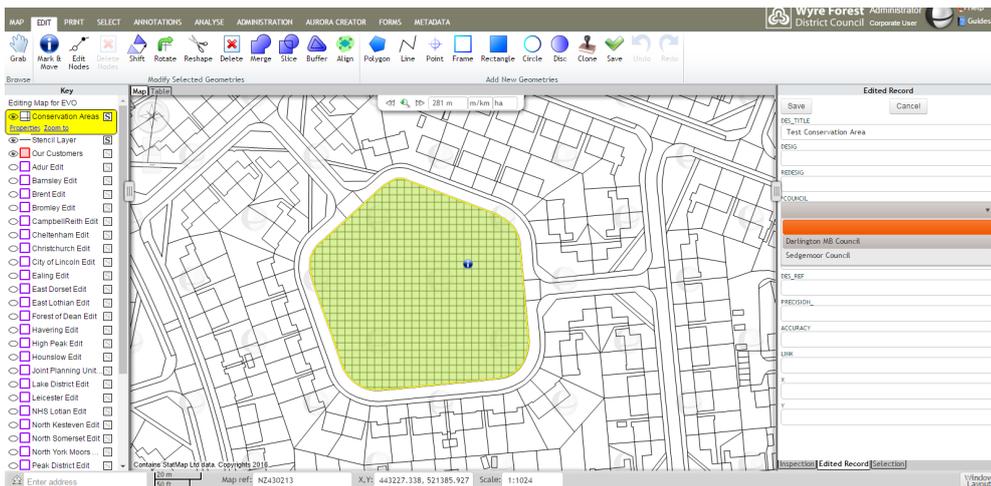
Anti-Social Behaviour: identify tenants and clusters of tenants who are responsible for ASB.

Gas Inspections: allow officers undertaking gas appliance inspections to see which houses are due to receive gas safety inspections – and schedule their work regimes around dealing with houses in geographical groups.

Reactive Maintenance Work: examine properties based upon number of call-outs (or Frequency of Repair) over a one year (or however long deemed useful) period (a running total). Can give indications of underlying problems: e.g. elderly people who are alone and call maintenance staff in order to have company / someone to talk with; give an indication of domestic violence; mental health issues.

Frequency of call outs can be thought to be a problem with the quality of the housing – but it's often simply a social problem. Easier to identify which is the case by looking at this in relation to frequency of call-outs to properties of same age and construction in the local area. If it is anomalously high, it could be an indicator that social problems are the main issue.

Editing with Earthlight



A further example would be charting the numbers of repairs occurring at a property within a year (within 12 months – or whichever period is deemed suitable – from the current date) and average expenditure.

The number of call outs to maintenance staff can be a good indicator for showing where there are an over-representation of call-outs and whether this is geographically / spatially clustered. It might also be a problem indicating that the tenant might be lonely and looking for company and 'someone to talk to' (see, above – this is particularly prevalent for elderly tenants, apparently).

Energy Consumption / Sustainability: displaying properties by Energy Efficiency rating (SAP rating); heating system types, etc.

Amenity and maintenance areas: powerful JavaScript internet browser application client enables ground work and amenity maintenance teams to maintain their own geographical amenity and grounds maintenance data.

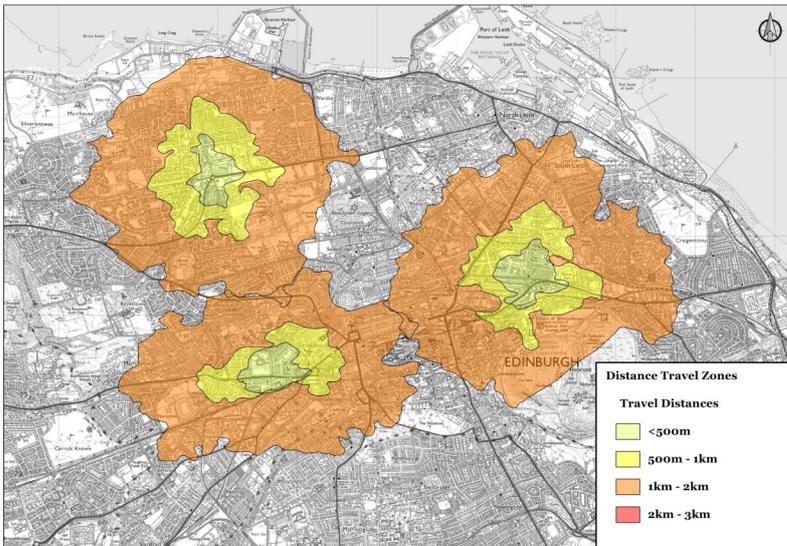
Geo-fencing: when incorporating the geo-fencing concept with vehicle tracking, you can define operational geographic areas (in terms of geographic polygons) for repairs and maintenance staff. Reporting can be configured to identify periods when driving outside of these designated operational areas, for how long, and how far staff travel outside of that operational 'envelope' or area.

Planned Maintenance programmes: take account of geographical clustering to schedule planned maintenance and repairs so that programmes can be slightly altered to enable properties requiring maintenance – and which are located close to one another – to have teams mobilised to these areas to avoid.

Flooding / Emergency Planning: help to identify vulnerable tenants who might need to be prioritised in the event of emergencies – e.g. flooding.

Routing: configure and optimise routes for repair personnel: optimise routing and sequencing of repairs and maintenance visits using eVO's powerful and sophisticated routing and fleet management capabilities.

Isochrones: multiple isochrones analysis for assessing the accessibility of multiple candidate sites.



Installation free

There is no need for maintenance of client installs on networked machines, as our client is entirely browser based and served by an http service.

This means that officers are entirely free to operate Earthlight and Aurora from any location, be it home, office or in the field.

Easing the Headaches of Hosting

EVO Platform applications can be hosted via your own servers or via Cloud hosting platforms – e.g. Microsoft Azure™ – securely hosted on our own powerful servers – enabling you to load, manage, edit, analyse and extract your own data.

We will enable free automated transfer of data between your servers and ours – should you wish to automate data on a 'live' or 'nearly live' basis from your internal business systems, and we will manage all Ordnance Survey and associated mapping to ensure that you're always using the most up-to-date mapping available.

Secure

Earthlight eVO doesn't compromise your network. The only connection it needs is to the database where the data is stored.

Earthlight can be safely deployed on the Internet or an organisation's intranet. It does not require any special configuration of the web server (IIS), nor does it require changes to your firewall.

No up-front licence costs

Earthlight GIS can be used as a central repository for all of your business data to be analysed in a spatial context.

StatMap charge no up-front licence fees, instead housing association and public-sector clients merely pay on an 'as you go' basis.

As a result, there are no large capital outlays to contend with.

Spatial Data Warehouse and Business System Integration

StatMap's dedicated development team will assist you in setting up all link feeds to Earthlight and Aurora as part of the initial setting-up process, whether it is hosted by your organisation or by StatMap. Our clients are already integrating eVO Platform products to widely used housing business management systems and CRM, such as those provided by **Aareon, MIS-AMS, Microsoft, Orchard, Keystone (now Civica)**, and many more.

You would also be supplied with StatMap's powerful server ETL software – DataPump™ - which enables you to pull and consume data from all of your other business systems.

Data Sources

We can also enable you to make use of Web Mapping Services (WMS) and Web Feature Services (WFS) to consume data feeds from external organisations, such as the Ordnance Survey, to supply base mapping, vector datasets, etc.

Hosting and Government Open Data

As well as your business data flows, our hosted version of Earthlight consumes Open Data supplied by the UK Government. Therefore, all official data is refreshed as soon as it is published by government departments and organisations. Thus, census, police, NHS Choices and other statistical information relating to geographical parcels are reported on immediately.

All data is exported instantaneously and you're provided with reports on demand – this can be either as raw data in terms of Excel, text files (.csv, .txt), spatial data formats (shapefiles, Mid/Mif, .kml) and CAD (.dxf) or as MS Word or PDF format formatted document reports.

Housing stock data analysis

It is simple to overlay and analyse any datasets together, such as reports of anti-social behaviour, households where the imposition of new rules on housing benefit are likely to have the most impact, households with rent arrears, etc.

Just as our local authority housing and amenity clients are doing: Earthlight enables your officers to create and maintain estates, communal areas, maintenance and planting areas. Our clients map, record and update layers which provide details on every tree, hedgerow, planting bed and amenity area within their ownership. Our local authority clients also upload regular updates for housing associations which operate within their districts and counties to enable contracted maintenance services to be supplied to those same housing associations.

Spatial database neutral

There are no locked in vendor specific databases: Oracle, MS SQL Server or the open source and free PostGIS and SQLite (SQLSpatial) databases are fully supported by eVO Platform.

Powerful loading and geo-coding tools

Clients are provided with full data loading tools, including for Ordnance Survey MasterMap, OS Open Data, all OS raster base mapping: Courier and Raster Loader.

Multiple Mapping Engines

Users can use different base mapping engines – including Google Maps, Bing Maps and Open Layers – so clients do not have to be reliant upon the Ordnance Survey to

obtain base mapping products.

Demonstrating our value to you

Let us demonstrate the business benefits that the eVO Platform can bring to your housing teams – taking your business data analysis and management to another level.



Contact us

For additional information, quotes and orders give us a call now on

0844 376 4321

or email us at

info@statmap.co.uk

A flexible discount policy is available and orders can be negotiated on an individual basis.