

G-Cloud Service Definition

Cadcorp SIS Desktop

Crown
Commercial
Service
Supplier

G-Cloud Cadcorp SIS Desktop

Service Definition

This Service Definition is relevant to all public and third sector agencies. The service is provided by NEC Software Solutions (NEC).

Overview of G-Cloud Service

The service described in this document is based on the provision of the Cadcorp SIS Desktop in the cloud as a virtual desktop application or via a web browser.

Cadcorp will install, set up and maintain SIS Desktop on behalf of the customer.

Key Benefits

Accessibility - SIS Desktop in the cloud can be accessed as a virtual desktop application or via a web browser.

Ease of use - SIS Desktop uses the Microsoft Office Fluent user interface (the 'Ribbon') and is designed to be easy to use whilst still providing advanced capability.

Rapid deployment - The service provided by NEC allows customer's access to SIS Desktop quickly whenever required without requiring specialist hardware.

New releases - NEC will keep the software in line with the latest software release allowing customers to immediately benefit from newly available GIS functionality.

Experience - Over 20 years' experience of successfully delivering and supporting GIS in across the public sector.

Cadcorp SIS Desktop

Cadcorp SIS Desktop can be used for viewing, querying, editing, analysis and modelling spatial data.

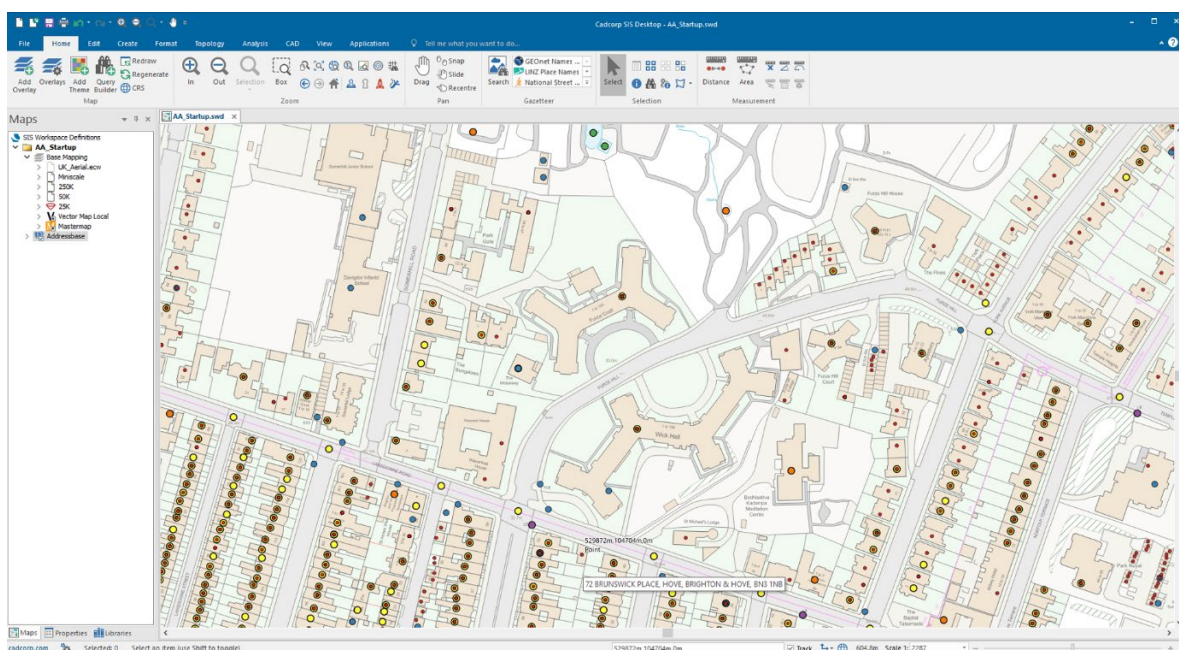


Figure 1: Viewing, querying, editing, analysis and modelling spatial data

Intuitive user interface

SIS Desktop uses the Microsoft Office Fluent user interface (the 'Ribbon'). This means that working with SIS Desktop is a very similar user experience to that of using various Microsoft Office products that use the same interface technology. It incorporates a Microsoft Office 2016-compatible 'Backstage View', a 'Recent Maps' list, and the ability to pin frequently used maps and projects.

Comprehensive mapping and styling tools

SIS Desktop offers an extensive set of map interaction tools, ranging from zooming and panning commands that use the mouse, to touch-based gestures on touch-screen devices.

It is possible to create new map items such as points, line strings, and polygons, and determine their graphic representation. It is also possible to create cartographic output in the form of thematic maps, in which map items are styled or labelled according to their properties or attribute values.

SIS Desktop uses standard Microsoft Windows printing interfaces, allowing print previewing and printing to all paper sizes. A user-friendly, intuitive and interactive Print Wizard leads the user through standard printing steps, using a wide range of predefined, or custom Print Templates. Interactive Adobe PDF files can be published that allow end-user control over layer visibility and full access to feature properties.

Spatial analysis and modelling

SIS Desktop supports advanced GIS data buffering operations, Thiessen polygon analysis, grid analysis, contour mapping, flow-line generation and hotspot mapping.

Advanced clustering and dispersal options are supported as well as support for creating concave hulls. Rubber-sheeting is part of the SIS processing framework and includes advanced options for raster data.

A temporal control bar allows time-series data to be inspected and exported to video.

Data management and validation

SIS Desktop offers a number of tools for managing both individual map overlays, and their grouping into projects.

Other capabilities include item snapping, creation of off sets, line generalisation, trimming and rotating. Users can create link, node, chain and polygon topologies, both by construction and by conversion. It is also possible to create line strings and polygons by the automatic tracing of an existing map item. Tools are also provided to identify and clean up corrupt topology.

Interoperability

SIS Desktop supports over 300 GIS, CAD, web and database formats that can be read directly and without the need for translation. Supported formats include ESRI™ Shape, ESRI Personal Geodatabases, MapInfo® TAB and MIF/MID, GeoPackage, Open Geospatial Consortium (OGC®) GML, WFS, WCS, WMTS, KML), AutoCAD® DXF™/DWG™, MicroStation® DGN, OS MasterMap®, ECW, Oracle®, Microsoft SQL Server®, and PostGIS. Data can be exported in over 45 formats.

Cloud Data

The service is provided with access to the Cadcorp Open Map and Cadcorp Open Data Service. This provides Ordnance Survey background maps and open geospatial data from a range of organisations including the British Geological Survey, Environment Agency and Historic England.

For customer business data the service is provided with up to 10GB of customer cloud file storage. Alternatively, customers may wish to use this service in association with the Cadcorp Hosted Database Service. This option will provide the advantages of storing data in a spatial database, including both performance and scale.

Initial Service Set up

Cadcorp will complete the following tasks to set up the service prior to deployment:

- Create and provide customer specific user accounts for the customer to access SIS Desktop in the cloud.
- Configure Cadcorp cloud storage.
- Provision pre-configured Cadcorp Open Map and Open Data Service.
- Add any customer preferences to SIS Desktop in the cloud held in a Cadcorp Named Object Library (.nol) including Print Templates and custom symbols.

On-going Tasks

As part of the Cadcorp SIS Desktop G-Cloud Service, NEC will continue to maintain the application, whilst at the same time ensuring ongoing data currency for any base mapping services provided by NEC. The core SIS Desktop application management tasks are:

- Application health check including monitoring resources
- Installing new software service releases as required
- NEC technical support for SIS Desktop and add-ins.

Customer Tasks

The tasks the customer will be responsible for are:

- If relevant, provide NEC with a Cadcorp Named Object Library (.nol) including Print Templates, custom symbols.
- Ensuring that all data copyright statements are displayed as required.
- Prepare datasets to be used in SIS Desktop.
- Connect to Cadcorp SIS Desktop in the cloud using details provided by NEC.

Additional Services

A range of additional service options are available within the price schedule.

Additional Software Options

Customers have the option to licence specialist related applications. These applications include Workload Modeller and Risk Modeller, currently only available for use within a private cloud.

Additional Services Options

- Introduction to Cadcorp SIS Training (2 days, 3 people) - This course provides the basics for everyday use of Cadcorp SIS. Students are introduced to the core concepts underpinning GIS, and are shown how to find a location, and view, create, edit and print maps. Day 2 introduces students to creating and managing their own files and extends their knowledge about creating and editing data.
- SIS Admin Training (1 day, 3 people) - This course will enable a Cadcorp SIS user to administrate the product and manage the GIS data. The content builds upon the Introduction to Working with Cadcorp SIS training. System Administrators will learn how to export data into useful GIS file formats and learn about the best performing formats for Cadcorp SIS.
- Advanced SIS Desktop (1 day, 3 people) - Advanced SIS Desktop training is available based on a range of customer specified modules.

Service Management

Backup and Disaster recovery

Users of this service may store their data in a spatial database so that they can benefit from performance and scale. When using a spatial database, the customer should ensure that appropriate backup procedures are place on the database. If customers use the cloud file storage option a backup snapshot of each customer storage area will be taken every night on a rolling 10-day cycle.

On-boarding and Off-boarding process

NEC aims to keep the Cadcorp SIS Desktop in the cloud on-boarding process as simple as possible. In the first instance an organisation should email frameworks@necsws.com

NEC will advise the customer on all aspects of the on-boarding process including order processing and provide clear instructions on any tasks the customer needs to complete in order for the service to be set up.

To initiate the off-boarding process the organisation should email their NEC representative. NEC will then arrange for the data service to be taken down and any customer specific data to be deleted as required.

Service Management and Service Levels

The customer will be assigned a NEC representative who will provide overall service management to the customer. The customer will have full access to support services between 09:00 and 17:30 on all working days. Where possible all maintenance will be carried out without disrupting the service. In the event that this is not possible maintenance will be scheduled and the customer notified in advance.

Ordering and Invoice Process

If you wish to order these services, a G-Cloud Order Form will need to be completed and signed by both parties.

Data Restoration and Service Migration

The service can be removed from operation within 8 working hours and data can be deleted or returned to the client within 5 working days. Depending on the nature of the data restoration, service migration and the amount of data, there may be a cost for this service. Please discuss data restoration and service migration requirements in more detail with the NEC representative at the appropriate time.

Request a Demonstration

We would be pleased to demonstrate Cadcorp SIS in the cloud to you. Please email frameworks@necsws.com to request a demonstration.

A promotional graphic for NEC Software Solutions. It features a woman with dark curly hair, wearing a blue and green sleeveless top, looking down at a smartphone. The background is a warm orange gradient. On the left, there is contact information: an email icon followed by 'frameworks@necsws.com', a globe icon followed by 'necsws.com', and a Twitter icon followed by '@nec_sws'. The NEC logo is in the top right corner. Below the contact info, there is a section titled 'About NEC Software Solutions' with a paragraph of text. At the bottom left, there is an address: '1st Floor, Bizspace, iMex Centre, 575-599 Maxted Rd, Hemel Hempstead HP2 7DX - 01442 768445'.

✉ frameworks@necsws.com

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About NEC Software Solutions
Our customers change lives, so we create software and services that get them better outcomes. By innovating when it matters most, we help to keep people safer, healthier and better connected worldwide.

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