

**Over 160 supported GIS, CAD, graphic and database formats**

Cadcorp SIS® - Spatial Information System® directly reads and/or writes to over 160 (write to over 45 formats) native GIS, CAD, graphic and database formats 'out of the box', without translation, as standard.

As a result organisations benefit from :-

- Maximised investment in existing data
- Higher levels of data interoperability
- Easier integration of legacy data
- Improved productivity by avoiding data translation

Note :- List does not include country specific file formats developed by Cadcorp partners

<b>READ</b>
<b>Vector</b>
<b>Autodesk</b>
AutoCAD DWG (up to and including AutoCad 2010) (*.dwg)
AutoCAD DXF (up to and including AutoCad 2010) (*.dxf)
AutoCAD Design Web Format (*.dwf)
<b>Bentley</b>
Bentley MicroStation DGN V8 (*.dgn)
<b>Cadcorp</b>
Cadcorp OS MasterMap Database (*.odb)
Cadcorp Base Dataset (*.bds)
Cadcorp Editable Database
Cadcorp SIS Export Dataset (*.sed)
Cadcorp Shared Dataset File (*.sds)
Cadcorp Feature Database (*.fdb)
Cadcorp View Geometry
Cadcorp View Points
<b>ESRI</b>
ESRI ArcIMS Feature Service
ESRI ARC/INFO Export (ASCII) (*.e00)
ESRI Personal Geodatabase (*.mdb)
ESRI Shape (*.shp)
ESRI ARC SDE
<b>Intergraph</b>
Intergraph GeoMedia Access Warehouse (*.mdb)

<b>MapInfo</b>
MapInfo TAB (*.tab)
MapInfo Interchange Format (*.mif)
<b>Open Geospatial Consortium</b>
OGC Web Feature Service (WFS)
OGC GML 2.1.x, 3.1.1 (*.gml)
OGC Web Services Context (OWS)
OGC KML Document (.kml, .kmz)
GeoRSS (*.xml)
<b>Open Street Map</b>
Open Street Map XML (*.osm, *xml, *bz2)
<b>Safe Software (FME)</b>
Feature Manipulation Engine (FME) ††
FME Feature Store file (*.ffs)
<b>SIA</b>
SIA dataMap Export (*.adp)
<b>Ordnance Survey Great Britain: OS (GB)</b>
OS MasterMap Address Layer (*.gml; *.gz)
OS MasterMap Address Layer 2 (*.gml; *.gz)
OS MasterMap Integrated Transport Network Layer (*.gml; *.gz)
OS MasterMap Topographic Layer (*.gml; *.gz)
OS (GB) ADDRESS-POINT (10cm resolution) (*.ntf; *.csv; *.ap)
OS (GB) BaseDataGB (*.ntf)
OS (GB) BoundaryLine 96 - 2000 (*.ntf)
OS (GB) Code Point (*.csv)
OS (GB) Common Internal Transfer File - CITF Topo 93 (*.ctf)
OS (GB) Common Internal Transfer File - CITF Topo 96 (*.q1, *.q2)
OS (GB) Data-Point (*.ntf)
OS (GB) Land-Form PROFILE contours 1:10000 (*.ntf)
OS (GB) Land-Line 1:1250, 1:2500, 1:10000 (*.ntf)
OS (GB) Meridian (*.ntf)
OS (GB) OSCAR Road Network (*.ntf)
OS (GB) Positional Accuracy Improvement Link File (*.csv)
OS (GB) Post Office Address File (10m resolution) (*.paf)
OS (GB) Strategi (*.ntf)
<b>OS (GB) VectorMap Local (*.gml; *.gz)</b>
<b>Ordnance Survey of Northern Ireland: OSNI</b>
Ordnance Survey of Northern Ireland (*.ntf)
<b>Ordnance Survey Ireland: OSI</b>
Ordnance Survey Ireland (*.ntf)

<b>USA National datasets</b>
Spatial Data Transfer Standard (SDTS) (*.ddf)
US Census Bureau TIGER/Line (*.bw1;*.rt1)
USGS DLG-3 Optional format (ASCII) (*.opt)
<b>Other</b>
AAA-NAS GML (*.xml)
Digital Chart of the World
Digital Nautical Chart (DNC)
EuroNav Geographic Exchange format (*.gxf)
FICC Rustica (*.p,*.s,*.t,*.x)
FICC Urbana (*.p,*.s,*.t,*.x)
Geographic Objects for JSON (GeoJSON) (*.json;*.txt)
Google Sketchup (*.skp)
Google Transit Feed Specification (GTFS)
GPX (*.gpx)
Italian Cadastral Exchange Format (CXF) (*.cxf)
KF-85 (Sweden) (*.k85)
Light Detection and Ranging (LIDAR) (*.las)
MIDAS XML (GB only) (*.xml)
NextMap Britain Contours (*.ntf)
NIMA Vector Map Level 0/1
S57 Catalogue (*.030; *.031)
S57 Chart (*.000)
XY/XYZ (*.xy;*.xyz)
<b>Raster</b>
<b>ESRI</b>
ESRI ArcIMS Image Service
ESRI ArcInfo ASCII Grid (*.asc)
ESRI ArcInfo Binary Grid (*.adf)
ESRI Band Interleaved By Line (*.bil)
ESRI Band Interleaved By Pixel (*.bip)
ESRI Band Sequential (*.bsq)
ESRIHDR labelled dataset (*.hdr)
<b>ERDAS</b>
Erdas Imagine (*.img)
<b>Earth Resource Mapping</b>
ER Mapper (*.alg)
ER Mapper Enhanced Compression Wavelet (*.ecw)
ER Mapper labelled dataset (*.ers)
ER Mapper Image Web Server

<b>EXIF</b>
EXchangeable Image Format (*.jpg; *.jpeg)
<b>Intergraph</b>
Intergraph Raster Image (*.rle; *.cit)
<b>LizardTech</b>
MrSID (*.sid)
<b>NASA</b>
NASA World Wind global datasets
<b>PCI</b>
PCI Geomatics Database File (*.pix)
PCI .aux Labelled (*.aux *.raw)
<b>Open Geospatial Consortium</b>
OGC Web Coverage Service (WCS)
OGC Web Map Service (WMS)
OGC Web Map Context Document (*.cml;*.ccml;*.xml)
OGC Web Map Tile Service (WMTS)
<b>Oracle</b>
GeoRaster 10g or later
<b>Ordnance Survey Great Britain: OS (GB)</b>
OS MasterMap Imagery Layer (*.gml; *.gz)
OS (GB) Land-Form PROFILE PLUS (*.ntf)
OS (GB) Land-Form DTM 1:1000, 1:50000 (*.ntf)
OS (GB) Land-Form PANORAMA DTM 1:50000 (*.ntf)
<b>Ordnance Survey Ireland: OSI</b>
OSI DTM (*.ntf)
OS Ireland 20km x 20km Height Data (*.dtm)
<b>USA National datasets</b>
USGS Digital Elevation Model (1 degree) (*.dem)
USGS Digital Orthophoto Quadrangles (New Style) (*.doq; *.nes; *.nws; *.ses; *.sws)
USGS Digital Orthophoto Quadrangles (Old style) (*.doq; *.nes; *.nws; *.ses; *.sws)
USGS GTOPO30 (*.hdr)
USGS Optional ASCII DEM (*.dem)
USGS SDTS DEM (*.cad; *.ddf)
<b>Other</b>
ARC Digitized Raster Graphics (ADRG) (*.gen;TRANSH01.thf)
ARC Standard Raster Product (ASRP) (*.gen;*.img)
Atlantis MFF HKV Raster (*.hdr)
Atlantis MFF Raster (*.hdr)
Binary Terrain Format (*.bt;*.prj)
B&W TIFF with anti-aliasing (*.tif;*.tiff)
Compressed ARC Digitized Raster Graphics (CADRG) (*.toc)
CEOS SAR Image file (*.img)
Computer Aided Acquisition and Logistics Support (*.cal)

Digital Terrain Elevation Data (DTED) (*.dt0; *.dt1)
ENVI .hdr Labelled (*.evi)
ENVISAT Image (*.n1)
EOSAT FAST-L7A (Landsat TM) (*.fst)
ETOPO1 Global 1-minute Gridded Elevation Data
ETOPO2 Global 2-minute Gridded Elevation Data (*.dos)
ETOPO5 Global 5-minute Gridded Elevation Data (*.bin)
Geosoft Grid Exchange Format (*.gxf)
GIF (*.gif)
Global Land One-kilometer Base Elevation (GLOBE) database (*.glb)
GMT netCDF Grid Format (*.grd)
Golden Software ASCII Grid (*.grd)
Golden Software Binary Grid (*.grd)
Golden Software 7 Binary Grid
Gridded Binary (GRIB) (*.grb)
Gridded Binary v.2(GRIB2) (*.grb2)
Hierarchical Data Format (HDF) Release 4 (*.hdf)
ILWIS Raster Maps and Map Lists
Japanese Aerospace eXploration Agency PALSAR Processed Products
JPEG (*.jpg)
JPEG 2000 (GDAL/Kakadu) (*.jp2;*.j2k;*.jpc;*.jpx;*.j2c)
MBTiles
National Imagery Transmission Format (NITF) (*.ntf; *.i12)
NextMap Britain DSM(*.ntf)
NextMap Britain DTM (*.ntf)
NetCDF (Network Common Data Format) Grid Format (*.grd)
NOAA/MAPTECH/NDI/SoftChart BSB (*.kap; *.nos)
NOAA Polar Orbiter Level 1b Data Set (AVHRR instrument)
Northwood/VerticalMapper Numeric Grid Format
OSGeo Tile Map Service
PNG (*.png)
PostGIS Raster
RasterLite
Raw raster data (*.raw)
RLC (*.rlc)
Shuttle Radar Topographic Mission (SRTM)
Targa Image File (*.tga)
TIFF/GeoTIFF (*.tif;*.tiff) – includes compressed variants such as LZW, packbits etc
USGS SRTM30
Windows Bitmap (*.bmp)
Windows Metafile
Worldwide Digital Terrain Data (TerrainBase) (*.bin)
Zsoft paintbrush (*.pcx)

<b>WRITE</b>
<b>Document Format</b>
Adobe Portable Document Format (*.pdf) – including Terrago Technologies geoPDF
Comma Separated Values (*.csv)
Encapsulated PostScript (*.eps)
HTML (*.htm)
Scalable Vector Graphics (*.svg)
Text file (*.txt)
XML Paper Specification (*.xps)
<b>Vector</b>
<b>Autodesk</b>
AutoCAD DWG (up to and including AutoCad 2008) (*.dwg)
AutoCAD DXF (up to and including AutoCad 2008) (*.dxf)
AutoCAD Design Web Format (*.dwf)
<b>Bentley</b>
Bentley MicroStation DGN V8 (*.dgn)
<b>Cadcorp</b>
Cadcorp Base Dataset (*.bds)
Cadcorp Editable Database
Cadcorp SIS Export Dataset (*.sed)
Cadcorp Feature Database (*.fdb)
<b>ESRI</b>
ESRI Shape (*.shp)
<b>EuroNav</b>
EuroNav Geographic Exchange format (*.gxf)
<b>Safe Software</b>
Feature Manipulation Engine (FME) ††
FME Feature Store file (*.ffs)
<b>MapInfo</b>
MapInfo Interchange (*.mif)
MapInfo TAB (*.tab)
<b>Open Geospatial Consortium</b>
OGC GML 2.1.2, 3.1.1 (*.gml)
OGC KMZ (Compressed KML) (*.kmz)
<b>Ordnance Survey Great Britain: OS (GB)</b>
OGC Web Map Context (*.cml)
OGC Web Map Context Collection (*.ccml)

OS (GB) CITF File (Topo 96) (*.q1)
OS (GB) (*.ntf)
<b>Other</b>
Geographic Objects for JSON (GeoJSON) (*.json;*.txt)
GeoRSS (*.xml)
Italian Cadastral Exchange Format (CXF) (*.cxf)
National Imagery Transmission Format (NITF) (*.nitf)
Scaleable Vector Graphics (*.svg)
Scaleable Vector Graphics Gzipped (*.svgz)
Scaleable Vector Graphics Tiny (*.svg)
Scaleable Vector Graphics Tiny Gzipped (*.svgz)
<b>Raster</b>
<b>ESRI</b>
ESRI/ARCInfo ASCII Grid (*.asc)
ESRI Bil (*.bil)
<b>Oracle</b>
GeoRaster 10g or later
<b>Other</b>
Binary terrain Format Grid (*.bt)
Dithered Bitmap (*.bmp)
ENVI (*.evi)
ER Mapper Enhanced Compression Wavelet (*.ecw)
ERDAS Imagine (*.img)
GMT netCDF Grid Format (*.grd)
GIF (*.gif)
Geo Tiff Grid (*.tif)
Golden Software ASCII Grid (*.grd)
Golden Software Binary Grid (*.grd)
JPEG (Grayscale/RGB) (*.jpg)
JPEG 2000 (*.jp2; *.j2k, *.jpc, *.jpx, *.j2c)
PCI Geomatics Database File (*.pix)
PNG (Grayscale) (*.png)
PNG Palette (*.png)
PNG (RGB) (*.png)
PostGIS Raster
TIFF/GeoTIFF (*.tif; *.tiff) – includes compressed variants such as LZW, Packbits etc
TIFF (Grayscale) (*.tif)
TIFF (Palette) (*.tif)
TIFF (RGB) (*.tif)
Windows Bitmap (*.bmp)
Windows Metafile (*.wmf)

<b>DATABASE - SPATIAL DATA STORAGE</b>
<b><i>Cadcorp</i></b>
Cadcorp SIS ASCII BLOB format (Any Supported Database)
<b><i>Open Geospatial Consortium Specified Server Formats</i></b>
OGC Well-known Binary (WKB) format (Any Supported Database)
OGC Well-known Text (WKT) format (Any Supported Database)
OGC Geography Markup Language (GML) format (Any Supported Database)
OGC SQL92 (Any Database)
<b><i>ESRI</i></b>
ESRI ArcSDE (read only)
<b><i>Microsoft</i></b>
SQL Server Spatial 2008
<b><i>Oracle</i></b>
Oracle 9i, 10g or later Spatial/Locator
Oracle 10g or later GeoRaster (read and write )
Oracle 10g or later Network Model
Oracle Application Server MapViewer (read only)
<b><i>Refractions Research</i></b>
PostGIS
PostGIS Raster
<b>LINKS TO EXTERNAL DATABASES</b>
Any ODBC, DAO or ADO compliant database or file format, including:
Microsoft Access up to and including 2007
Microsoft Excel 2010 xlsx files only
Microsoft SQL Server
<b>Direct Database Drivers</b>
Oracle 9i, 10g or later
PostgreSQL 8.0 or later
<b>Notes:</b>
†† - Requires purchase of Safe Software FME

**Further Information**

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