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**data
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Coverage Spotlight

AZERBAIJAN: High Quality GIS Data

Azerbaijan's strategic Caspian Sea ports and rich offshore oil reserves have created a unique economic potential for the developing country. Azerbaijan has been an independent republic since the 1991 collapse of the Soviet Union. Following a decade of territorial disputes, lengthy political posturing, and strengthened foreign investment, the country is beginning several new engineering and infrastructure projects that will help define its stability and success in the region. The use of Geographic Information Systems (GIS) and associated topographic maps, satellite imagery, and other geospatial data is expected to support these new projects.

One of the largest engineering projects in the region is a proposed oil pipeline from Jeyan, Turkey, through Tbilisi, Georgia, and ending at the port city of Baku, Azerbaijan. The engineering stage of the project began in November 2000. By the end of 2002, project planners expect to begin acquiring land and constructing the massive pipeline. This is just one of the projects that will require the use of GIS.

LAND INFO offers full country coverage of 1:50,000 and 1:200,000 scale [topographic maps for Azerbaijan](#). The digital datasets are geo-referenced to be used as high quality GIS base data and for engineering applications.

LAND INFO color scans paper [topographic maps](#) to produce a high resolution, digital image. Latitude and longitude coordinates are then assigned to each map. This enables engineers, GIS project managers, and other end users, to overlay other geospatial data on top of the base topographic map. For example, oil pipeline planners may overlay well locations and [satellite photos](#) on top of the topographic map for analysis purposes.

LAND INFO offers derivative GIS vector data created from the Azerbaijan topographic maps. [Digital elevation models \(DEMs\)](#), [contour layers](#), [road layers](#), [hydrography layers](#), and other value-added datasets from the original topographic maps. Through a series of production steps, LAND



LAND INFO offers full coverage of high-resolution topographic maps and GIS data for Azerbaijan

INFO extracts the [contour elevation data](#) from the source map to create a 3D interpretation of the land area, and extract roads, waterways, buildings, and other features published on the map.

LAND INFO also offers topographic maps in multiple scales for [Armenia](#), [Iran](#), [Afghanistan](#), [Georgia](#), [Tajikistan](#), [Yemen](#), [Bahrain](#), [Ukraine](#), [Russia](#), [Romania](#), and other areas in the region.

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Vector GIS Data

LAND INFO can assist you with your GIS project by extracting data from international topographic maps. Roads, rivers, bridges,



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custom data production, and customer service. The company's primary services include high quality GIS base data creation, Digital Elevation Models (DEMs), Topographic Maps, Feature Extraction, Satellite & Aerial Imagery Acquisition and CAD conversion.

contours, buildings, and other map features are extracted and output as separate vector layers.

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