Introduction

- DIVISION GIS has 17 years of experience in the Geographic Information Systems world.
- DIVISION GIS was born in 1989 as a business unit of Compañía Cuyana de Cómputos S.A. (C.C.C.) in charge of the provision, development and implementation of the Geographic Information System and Satellites Images Processing System.
- In 2001, DIVISION GIS became an independent company and the exclusive distributor of Aeroterra S.A. in Mendoza and the Cuyo Area of products such as ArcGIS of ESRI, ERDAS IMAGINE of Leica and Images IKONOS.
- DIVISION GIS has a Training Center and an integral technical expertise, with Human resources highly specialized in the development and implementation of Geographical Information Systems and Satellite Image Processing solutions.

Mission

- Our mission is to achieve the clients’ satisfaction, offer reliable high-quality services, provide integral solutions in the geographical information process.
- Keeping our human resources highly training, according to the demands of new technologies.

Vision

- Our vision is to solidify our position as the leader of GIS Solutions in Argentina and obtain international recognition.
- Taking advantage of our know-how, highly qualified human resources and experience to develop new business related to current technology and resources.
Products

- **Own Products**
  Geographic Information System for Counties (G.I.S.C.)
  Integral Management Information System for Utilities.
  Streets Map of Mendoza and other main cities.
  Information System for Cemeteries, integrated with GIS.
  Vineyard Production Management System.

- **Licensed provider of:**
  - ArcGIS of ESRI
    - ArcView
    - ArcEditor
    - ArcInfo
    - ArcReader
    - ArcLogistics Route
    - ArcGIS-Engine
    - ArcIMS
    - ArcGIS-Server
    - Arc GIS Image Server
    - Mobile GIS
    - ArcSDE
    - ERDAS Images of LEICA: Satellites Image processing software
    - IKONOS: Satellite Images.
Services

➢ GIS – Geographic Information System

GIS Consultant

• Theoretical and data model design.
• Work flow and procedures manual design.
• Consultant and integral technical instruction for GIS implementation.

GIS Development

• Providing customized applications and solutions.
• Developing Survey projects all over the world (POI) with advanced technology (GPS, digital cameras, palms, etc.), providing and processing satellite images and alphanumeric attributes to integrate them into a georeferenced digital cartography to create a Geodatabase.
• Producing Digital Cartography: Plans Digitalization in other formats.
• Converting CAD Cartography format to ArcGIS format.
• Mapping, feasibility studies, geographic analysis.
• Processing large volumes of alphanumeric data, cartographic and graphic data.
• Providing software ArcGIS of ESRI: ArcInfo, ArcView, ArcSDE, ArcIMS, etc.
• Provision, development and implementation of the Geographical Information Systems ArcGIS of ESRI.
• Processing Satellite Images of ERDAS IMAGINE of Leica.
• Provision and process of IKONOS and LANDSAT Satellite Images and others.
• Integrating currency Systems with GIS.
Services

Training Program

DIVISION GIS has a Training Center and an integral technical expertise, with Human resources highly specialized in the development and implementation of Geographical Information Systems and Satellite Image Processing solutions.

División GIS offers training in:

- ArcView 9.1 introduction
- ArcView 9.1 advanced
- Specifics Courses

Data Entry - Data Mining

Internet Data Searching. Database classification and load.
Normalization of large databases.
Load applications development on the Internet.
Database storage available in our hosting, sub domain, which is easily accessed through the Internet.

Data processing: base-cartography, normalization, georeferenciation.
- Migration of cartographic and alphanumeric data.
- Normalization of large databases.
- Field format correction or completion of missing data.
Solutions

GIS Development

Government:

Provincial and Municipal Cadastres.

Integral Solutions for Counties, Provinces and the Nation.

Environment and Town planning

Utilities

Electricity, Water, Gas and Telecommunications.

Petroleum and Mining

Supply Chain and Transportation

Real Estate Business

Geomarketing

Tourism
Solutions

- Access to integrated information of all areas for strategic decision making.
- Increase TAX Collections.
- Improvement of service provider efficiency.
- Improvement of government image though the achievement of user satisfaction.
- Reducing the operating costs of information management.
- Development and improvement of emergency services and public security: developing maps of crimes, fires, cave-ins, attacks and other incidents in order to plan, prevent and make action plans.
- Management, analysis and valuation of Zones to set the values of the land without improvements, and elements required to apply taxes.
- Census and incorporation of the original parcel system by division without approval.
- Updating of Cadastral Nomenclatures that modify characteristic of Rural to Urban and Zone changes.
- Reports georeferenced to tax Collection distribution by zones or departments.
- Identification of zones without services as required by infrastructure construction planning.
- Establishing criteria for rates and services by location, services area, use of the land, etc.
- Generation of on line registers of the GeoDatabase cadastral.
Solutions Utilities

Electricity, Water, Gas and Telecommunications.

- Decreasing the costs.
- Improving the Decision process.
- Improving Customer Service.
- Improving the contribution, coordination and communication.
- Providing access to integrated information from all areas to improve strategic decision making.
- Control Panels.
- Resources location: asset inventory.
- Map the resources toward the areas with problems.
- Asset Management.
- Automatic meter reading.
- Network management:
- CRM integration.
- "One Call".
- Emergency Prevention.
- ERP Integration.
- Geo-Marketing.
- Leak detection.
- Analysis of Networks.
- Network Integrity.
- Operations, Maintenance and Inspections.
- Blackout Control.
- Land management.
- Drawings P&ID (Piping and Instrumentation Diagram).
- Contaminants tracking.
- Remote Sensoring.
- Route optimization.
- Hydraulic models.
- Plant management.
- Collection distribution reports by zones or areas.
- Identification of the zone without services for infrastructure works planning.
- Establishing criteria of re-zoning rates and services, county zoning, land use, etc.
Solutions → Environment and Town planning

- Natural Resources analysis and evaluation.
- Environmental Impact analysis applied to Infrastructure construction.
- Urban and rural development activities.
- Population analysis.
- Maps of crime.
- Land use maps.
- Environmental degradation levels.
- Environment control: water, land, vegetation.
- Forestry applications.
- Urban transportation analysis.
- Air and water quality analysis and contamination control and evaluation
- Water resources analysis.
- Flood monitoring.
- Risk and impact maps.
Update Cartography through Satellite images, GPS data and field surveys.
- Providing IKONOS, LANDSAT images and from varied sensors.
- Provision of ArcGIS and TARGET Software.
- Generation of Digital Elevation Models (DEM) from interferometer, stereoscopy and other digital techniques.
- Converting CAD Cartography format to ArcGIS format.
- Geodatabase conformation: collection and integration of the dispersed information of different sources and formats.
- Normalization and standardization of geological maps.
- Digital processing oriented to spectral characterizations of mineralization, including the treatment of huge spectral data.
- Digital process (filtered) oriented to the detection of structural features.
- Analysis of stereo parts, viewing and 3D restitution.
- Geological, tectonic and metallogenics surveys in different scales.
- Longitudinal and cross profiles.
- Environmental impact studies.
- Database design and implementation, and Corporate Applications.
Solutions  → Supply chain and Transportation

- Resource and transportation demand optimization.
- Locating of clients and activities in the territory by address, coordinates and even by textual descriptions not standard textual description.
- Optimum road calculation or minimum impedance between two or more network points.
- Operating cost improvement in the distribution and/or picking up of goods and services, as well as customer satisfaction.

AVL – Advance Vehicular Location – tracking and visualizing the object in the system with the integration of GPS technology.

- Road inventory: to register road sections, construction, road signals, type of land, state of conservation, traffic, road zone, route crossings, rest areas, truck services, accidents, etc.
- Planning and control of new construction, conservation of the existing work, truck and traveler information services.
- City Transportation services planning and control, zones covered, deficiencies, etc.
- Distribution / Picking up services from and toward different locations.

GeoMarketing:
- Where are my clients located / present Demand / future Demand?
- Where are the potential consumers by products and by profile?
- Where is my network located?
- What are the optimum roads of distribution?
- What are the minimum quantities of vehicles I should use for my optimum road?
- Where are my direct competitors located?
Solutions Real Estate Business

COUNTRY

- Providing and processing Satellite Images of the interested area, with cartography.
- Rural cadastral (parcels individualization, use and fiscal appraisal, etc.).
- Zone identification, with roads, rivers, cities, railroads, political division, etc.
- Cultivated areas, inventories and pastures.
- Cartography of the cultivated area.
- Land use planning and urban growth.
- Performance estimation, land fertility maps.
- Map of geography relief (landmarks, slope, direction, level curves) - Elevation Digital Model.
- Detecting changes in the same area through the time.

URBAN

- Localization of parcels and houses in precise areas, georeferenced and related to variables demands: municipal services, utilities services, transportation, perimeters, areas, green spaces, level economic associate, schools distance, supermarkets, etc.
- Property and population analysis.
- Land Use maps and of the Land.
- Forest applications.
- Analysis of urban transportation.
- Water and air quality analysis; contamination evaluation and control.
- Analysis of water resources and monitoring of floods.
- Development of public and private neighborhoods: Urban planning.
Where are my clients located / present Demand / future Demand?
What is our market share?
Where are the potential consumers by products and by profile?
Are we maximizing our sales potential?
Are we doing publicity in the right places?
Where are my networks/branches/ business located?
Which is their area of influence?
Are they in the right location?
Where should we open the next one?
Where are my direct competitors located? Which is their area of influence?
How define the areas of sales of my salespersons?
What are the optimum roads of distribution?
What are the minimum quantities of vehicles I should use for my optimum road?
What are the areas, localities, neighborhoods of greater socioeconomic level?
Solutions   Tourism

- Providing Tourist Resources information, data and images in maps georeferenced that can be published on your own Website.

  Geomarketing Application for Tourism:
  - Where are the tourists located / present Demand / future Demand?
  - Where are the potential consumers by products and by profile?
  - Are we maximizing our sales potential?
  - Are we doing publicity in the right places?
  - Where are the tourism branches/ business located? Are they in the right location? Where should we open the next one?
  - Where are my direct competitors located?
  - Which is their area of influence?
  - Which are the business districts?
Clients:

Government Institutions

Own Projects
- Cadastral Department of Province of Mendoza.
- Godoy Cruz County.
- Mendoza County.
- Malargüe County.
- Río Grande County – Province of Tierra del Fuego.
- Ushuaia County - Province of Tierra del Fuego
- Provincial Housing Institute of Mendoza.
- Provincial Department of Highway Administration of Mendoza.
- Irrigation Agency of Mendoza.
- Department of the Environment and Public Construction Agency of Mendoza.

Outsourcing by Aeroterra S.A.
- Cadastral Department of the City of Buenos Aires
- Cadastral Department of Province of San Luis

Outsourcing by Compañía Cuyana de Cómputos S.A.
- Cadastral Department and 65 counties of province of Entre Ríos
- Cadastral Department of the Province of Catamarca
- Cadastral Department of the Province of San Juan.
- Department of Statistics and Census of the Province of Catamarca
- Guaymallén County
- Department of Mining Industry of the Province of La Rioja
- Provincial Department of Highway Administration of San Juan
- Water Department of Mendoza S.A. and San Juan S.E.
- Government Department –Security of Public Information (SISEP)
**Clients**

**Private Companies**

#### Nationals

**GIS Development**
- Parque de Descanso S.C.
- Tecnicagua S.A.
- I.C.S.A Ingeniería y Computación S.A.

**Utilities**
- Cooperativa Eléctrica Rivadavia Ltada. Bs.As.
- OSM Mendoza

**Petroleum and Mining**
- Minera Río Tinto S.A.
- Minera Peñoles S.A.
- MH Argentina S.A.
- Orion del Sur
- EMSA
- Minera Andes S.A.
- Empresa Minera de Mantos Blancos S.A.
- Iamgold S.A.
- Géster S.A.
- ASTRA C.A.P.S.A.

**Supply Chain and Transportation**
- Sitrack.com
- Ferroviás

#### Internationals

**GIS Development**
- Data Surveying Projects in the field in various countries, under contract with International Consultants.
Strategic Partners

- Aeroterra S.A.
  ESRI: GIS and Mapping Software
  LEICA Geosystem: ERDAS IMAGINE
  GeoEye: IKONOS

- I.C.A. S.A. (Uruguay)

- CIVITAS S.A.

- NOMADE SOFT S.R.L.

- Logic Express
Our Staff

➢ Technical area
  ❖ Project Manager: Miguel Femenía (GIS International Consultant)
  ❖ Technical Team:
    » Multidisciplinary group of professionals and technicians with extensive experience in GIS applications development.
    » Data entry – Data mining: highly qualified bilingual human resources

➢ Commercial area
  ❖ Commercial Director: CPA. Carlos Bianchi
  ❖ Business Development: Lic. Carlos A. López Herrera
Contact Us

- **Office Location:**
  Pedro Molina 249 - 1st Floor - Office # 11
  Mendoza, Argentina – 5500

- **Telephone and Fax:**
  Tel.: 0054-261-4340332 / Fax: 0054-261-4301980

- **Website:**
  [http://www.divisiongis.com](http://www.divisiongis.com)

- **Email:**
  info@divisiongis.com

- **Commercial area:**
  Carlos Bianchi ([cbianchi@divisiongis.com](mailto:cbianchi@divisiongis.com))
  Carlos López Herrera ([clopez@divisiongis.com](mailto:clopez@divisiongis.com))

- **Technical area:**
  Miguel C. Femenía ([mfemenia@divisiongis.com](mailto:mfemenia@divisiongis.com))
DIVISION GIS