



# Integrated Mapping, GIS, & Engineering

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SRDP's extensive experience in mapping, surveying, planning and civil engineering gives it a distinct edge in the implementation and maintenance of successful GIS & engineering solutions. SRDP has undertaken several mapping and GIS projects in the Philippines and other countries such as US, Japan, South Africa, Guam, Saipan, Vietnam and Indonesia.

SRDP provides integrated Mapping, GIS & Engineering Services. By using an integrated approach, SRDP addresses client requirements in a more efficient manner, combining relevant expertise from the three disciplines.

SRDP has conducted detailed GIS mapping work for over 300 cities and municipalities in the Philippines approximately covering an area of 5.4 million hectares which is about 18% of the Philippine land mass. These areas also are home to about 22.3 million Filipinos or 30% of the Philippine population.

### Mapping

SRDP offers mapping services from ground survey to GIS base map creation using aerial photos or satellite imagery.

### GIS

SRDP offers GIS database development from ground up. Our GIS services range from field data gathering, research, integration of various spatial data to GIS analyses, thematic mapping and application development. We also offer consulting services to support applications in Transportation, Urban & Regional Planning, Disaster Management, Infrastructure Development and Environmental Studies.

### Engineering

SRDP offers engineering services in a GIS setting. With GIS in mind, more analysis opportunities and new insights can be achieved when taking on engineering jobs, such as road and railway design, land development and water resource engineering.

### SOME MAJOR PROJECTS:

#### GIS for Disaster Management

- **The Study on Natural Disaster Management in Indonesia**  
*Japan International Cooperation Agency (JICA), Indonesia*
- **JBIC Pilot Study For Project Formation For Integrated Urban Disaster Management Project in Jakarta Metropolitan Area**  
*Japan Bank for International Cooperation, Indonesia*
- **Natural Disaster Risk Management in the Phil. Reducing Vulnerability**  
*Pacific Consultants International (PCI) & World Bank, Philippines*
- **Metropolitan Manila Earthquake Impact Reduction Study (MMEIRS)**  
*MMDA, PHIVOLCS and Japan International Cooperation Agency (JICA), Philippines*
- **The Study on Program Formulation in Disaster Mitigation Sector in the Philippines**  
*OYO & Japan International Cooperation Agency (JICA), Philippines*

#### GIS for Engineering

- **Study on Drainage Improvement in the Core Area of Metro Manila (DICAMM)**  
*PCI, DPWH & Japan International Cooperation Agency (JICA), Philippines*

#### GIS for Forestry

- **Shizuoka Forest Land Parcel Mapping Project**  
*PASCO - CERTEZA Computer Mapping Corporation, Japan*

#### GIS for Urban & Regional Planning

- **The Study on the Adjustment of the HCMC Master Plan up to 2025**  
*Urban Planning Institute, Ho Chi Minh City, Vietnam*
- **The Study on the North Triangle Central Business District in Quezon City**  
*The World Bank, Philippines*
- **The Comprehensive Urban Development Programme in Hanoi Capital City**  
*Japan International Cooperation Agency (JICA), Vietnam*
- **Urban Information System (UIS)**  
*MMDA & Japan International Cooperation Agency (JICA), Philippines*
- **Guam GIS Map and House Database Project**  
*Bureau of Planning, Government of Guam, Guam USA*
- **Public Access to Public Resources Program**  
*Bureau of Planning, Government of Guam, Guam USA*

#### GIS for Transport Studies

- **The EDSA North Transit Study**  
*Department of Transportation and Communications (DOTC), Philippines*
- **Collection of Data and Information on the Urban Transportation System**  
*Japan International Cooperation Agency (JICA), Philippines*
- **The Baseline Study regarding the present status and issues on the MMUTIS Masterplan Projects in Metropolitan Manila**  
*Japan International Cooperation Agency (JICA), Philippines*
- **The Feasibility Study and Implementation Support on the CALA East-West National Road Project**  
*Japan International Cooperation Agency (JICA) and Department of Public Works and Highways (DPWH), Philippines*

#### GIS for Cities & Municipalities

- **Municipality of Cainta GIS Project**  
*Local Government Unit of Cainta Rizal, Philippines*
- **Municipality of Angono GIS Project**  
*Local Government Unit of Angono, Philippines*
- **Balanga City GIS Project**  
*Local Government Unit of Balanga City, Philippines*
- **Cabanatuan City GIS Project**  
*Local Government Unit of Cabanatuan City, Philippines*
- **Metro Manila GIS Base Map Preparation**  
*BayanMap Co., Philippines*

### MEMBER:

Council of Engineering Consultants of the Philippines (CECOPHIL)  
Philippine Geomatics Association (PHILGEO)

### Other GIS Projects

- **The Study for Mapping Policy and Topographic Mapping for Integrated National Development Plan in the Republic of the Philippines**  
*Japan International Cooperation Agency (JICA), Philippines*
- **Metropolitan Manila Urban Services for the Poor Project 2**  
*Asian Development Bank (ADB), Philippines*
- **Secondary Education Development and Improvement Project – School Mapping Exercise (SEDIP – SME)**  
*Department of Education & PCI, Philippines*
- **Design and Management of Telecoms Outside Plant Facilities**  
*NTT International / Tokyo, Japan*
- **Sendai City Land Info System – App Dev, GIS Processing**  
*Pasco Corporation / Tokyo, Japan*

### CADD & GIS Data Buildup Projects

- Balanga GIS Data Buildup
- Guam GIS Database Buildup
- Digitization of GEBCO Sounding Maps
- Pacific Area covering Taiwan, China, Phils.
- Digitization of Base Maps of SAGA City, Japan
- Digitization of Mt. Mayon Area Topographic Maps
- Digitization/GIS Processing of Base Maps for Metro Manila
- Digitization/GIS Processing of House & Parcel Data, Moreno Valley, California, USA

### Computer Mapping & Surveying Projects

- **Suyo - Cervantes Mankayan Abatan Project - Road Topographic, Cross Section & Profile Mapping**  
*Katahira Engineers International*
- **North Luzon Expressway Project - Road Topographic, Cross Section & Profile Mapping**  
*Certeza Surveying & Aerophoto Systems / Leighton Contractor (ASIA) LTD.*
- **Philippine National Railways Project - Topographic & Cross Section Mapping of railway tracks from Manila to Laguna**
- **Skyway Base Mapping Project - As - Built Mapping / Profile & Road Cross Section Mapping of proposed Skyway Segment from Bicutan to Alabang**  
*PT CITRA Marga Nusaphala Persada*



The Study on the Adjustment of the Ho Chi Minh City Master Plan, Vietnam



Natural Disaster Risk Management in the Philippines



Metropolitan Manila Earthquake Impact Reduction Study



Cavite Laguna East-West Road Project



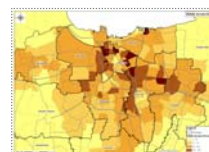
Drainage Improvement Plan in the Core Area of Metro Manila



The Comprehensive Urban Development Programme in Hanoi Capital City, Vietnam



GIS for the Municipality of Angono, Rizal



Pilot Project for Integrated Urban Disaster Management, Jakarta Indonesia



GIS for the City of Cabanatuan, Nueva Ecija