SECON’s Core Strength

- Over 3 decades of experience (established 1981)
- Financially sound and zero debt company
- ISO 9001:2008, NABL and CMMI Level 3 Accredited
- Large database, in-house customized Software
- Major share of Pipeline, Irrigation and Road Projects in India
- Engineering and GIS Expertise to design and manage critical infrastructure and assets.
- Experienced professionals and global business partners
- Highly motivated and mobile crew exposed to different terrain conditions
- High precision tools for Survey and Geotechnical Investigation
- Comprehensive in-house Testing Laboratory
- Onshore - Offshore Service Model

The scope of services provided by SECON encompasses

- In-house capability for generation of GIS compatible Macro and Micro Level Base Maps in a Digital Environment by Traditional Modern Method, Aerial, Remote Sensing, Airborne and Ground LiDAR
- Investigation services for Geotechnical, Airborne Gravity Survey
- Detail Engineering, Bid Documents and Project Report
- Construction Supervision, Contract Management, Inspection Services
- Multitask and Multidiscipline approach in GIS compatible environment

SECON is the only firm that offers Total Solution from a Single Window for Data Capture, Planning, Design, Construction Supervision, GIS Solutions in-house

Design Consultancy and Engineering Services

- Highway Engineering & Construction Supervision
- Public Health Engineering, Water Supply, Treatment and Drainage
- Irrigation, Flood Control & Water Management
- Cross Country Pipeline Transportation, City Gas Network
- Establishment of Property Ownership Records and GIS Based Land Information Systems
- Environment Impact & Management Plan
- Survey, Planning, Electical, Telecom & Utilities
- Right of Way Acquisition & Permitting and Clearance
- GIS driven Softwares for Asset and Land Information

Investigation and Services

- Photogrammetry, LiDAR & Remote Sensing
- Geotechnical, Deep Boring, Seismic and Geophysical Surveys
- Underground Utility Detection (GPR), Non Destructive Testing
- Underwater Leak Detection and Turnkey Solution for Dams and Structures
- Airborne and Ground Geophysical Surveys
- Route Planning, 3D Corridor Mapping & Generation of GIS Database
- GIS/CADD Data Processing
- Geodetic, Topographic, Engineering, Cadastral, Hydrological Surveys

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GIS Driven Multidiscipline Engineering Consultancy

SECON is the only firm that offers Total Solution from a Single Window for Data Capture, Planning, Design, Construction Supervision, GIS Solutions in-house

SECON (CMMI Level 3, ISO 9001:2015, NABL Accredited)
SECON, established in 1981, is a CMMI LEVEL 3, ISO 9001 : 2015 and Skilled. Accredited Firm with over 700 personnel. The HQ in Bangalore, India, has an auditorily designed 100,000 sq feet of company-owned office, Regional Offices at Mumbai, New Delhi, Vellore, Bhopal, Lucknow and Tirupati, Leys, augment SECON’s range and reach. SECON is the only company that offers in-house multivariate, full-spectrum Design Engineering, Research/Investigations including Software Development, Testing and R&D Services. SECON also render services on Offshore - Onshore Model.

**Construction and Consultancy Services**

**Highway Engineering and Construction Supervision**
SECON provides Turnkey solutions in the field of highways using Modern Technology, Remote Sensing, advanced Computer Application for Surveying, Planning, Design, Construction Supervision of 4/8 lane Highways, Expressways, Urban, Hill Roads, Other Road Networks, Bridges, Flyovers and Land Acquisition. Expressways and Major Road Length exceed 25,000 Km

**Survey and Investigation**
- Feasibility Study of Road Corridor and Optimisation of Alignment/Earthworks
- Material, Powder and Core Drilling Investigations
- Hydrological, Hydrological Investigations and Condition Survey
- Traffic and Social Surveys including Analysis
- Environmental Impact and Management
- Turnkey Land Acquisition and Conveyance of Land Rights

**Design Engineering and Detailed Project Report (GPR)**
- Compliance to Standards, Management and Quality
- Bill of Quantities
- Project Cost, Economic, and Financial Analysis
- Web Enabled Enterprise GIS, Highway Asset, Maintenance

**Public Health Engineering, Water Supply, Treatment and Drainage**
- Feasibility Study, Survey, Geotechnical Investigation
- Hydraulics / Hydrological Investigations, Raw Water Sourcing
- Pipeline Alignment, Land Information and Land Acquisition

**Irrigation, Flood Control and Water Management**
Over 50,000 km of Survey, Investigation using Modern Technology. 30,000 km of Design of Irrigation and Water Management projects
- Macro, Micro Level Survey, Geographical Information System (GIS), Hydraulics
- Catchment Areas, Reservoirs, Dam and Canal Networks
- Hydrology, water balance and optimization
- Land Acquirability and Relocation Plan for underground and aboveground
- Hydraulic Mask Model, Flood Control Planning

**Cross Country Pipeline Transportation, City Gas Network**
- 85 km long of Pipeline corridor projects
- Roads Optimization and identification of Pipeline Corridor
- Geological, Gas physical, Flowline and Stratification Study for direction drilling
- Generation of Alignment Drawings, Sections, Right Land Plans and Crossings
- Socio-economic, Environmental Impact Study and Management
- Real time (RUC) GIS, Permitting and way leave generation

**Environment Impact and Management Plan**
- External data collection and analysis
- Pollution monitoring, air and waste disposal
- Identification and evaluation of environmental impact
- Risk analysis and disaster management
- GIS and spatial analysis for habitat protection schemes
- Comprehensive EIA and BMP Report for Environmental and City Planner

**Town Planning, Electrical, Telecom and Utilities**
- Engineering survey and Investigation
- Land use analysis, conceptual and logical plan
- Design of approach and internal road network
- Water Supply, Storm Water and Underground drainage UDS (underground Storage) system
- Design of Utility, Power Supply and Distribution Network

**Gis driven Software for Asset and Land Information**
- Field Data Collection and GIS Database generation
- Survey Study, Design of Multilingual Interface and GIS-database
- Needs Assessment, Gap Analysis and Architecture Design
- Web enabled Software for Asset and Maintenance Management
- City GIS, In-house Software Products for Land, Asset, Alignment Survey, ROS, IRRIS, Irrigation System etc.

**Investigation and Services**
- Right of Use Acquisition and Permitting
  - Assistance in site selection and evaluation
  - Property & Land survey and valuations
  - Data management system for property inventory
  - Assistance for ROU Acquisition, Permitting and Roy/Cause License
  - Valuation of land, crop and fertility loss, for compensation

**Geotech Engineering, Deep Burying, Seismic and Geotechnical Surveys**
Over 6,00,000 m of Geotechnical Investigation and Drilling
- Vertical, horizontal, inclined drilling with Hydraulic and Rotary Rigs
- Pilot bore, Static, Dynamic and Nano Cone Penetration, Block Vibration, Pressure Meter, Cross Hole Salient Test
- Physical Engineering and instrument parameters for Soil, Rocks and Water
- Aggressivity, Corrosion Survey and Non Destructive Tests of buried utilities
- Slope Stability Analysis and Mitigation
- Water Supply and Water Uses design

**Underground Utility Detection (GPR), Non Destructive Testing (NDT)**
Ground Penetrating Radar (GPR) is one of the latest available Geotechnical techniques used for exploring the subsurface to determine & validate the presence of underground utilities subject to soil conditions
- Detection and Interpretation of Buried Utilities, Water, Sewerage, Electrical and Optical Cables also be used to find utility location including delineation of rock profile upto shallow dept
- Pipe Locator for buried Pipeline and coming out NDT

**Photogrammetry, LiDAR and Remote Sensing**
- Aerial, Terrestrial, ALS 3D / 2D Data Collection
- Ortho-Photography, Surveying, Modeling and Digital Terrain Model
- Feature Collection and Base Map Preparation
- Satellite Image Processing, Land Use Plan
- LiDAR Data Classification, Aerial and Mobile LiDAR Survey
- Aerial Photography, Hyperspectral and LIDAR Acquisition

**Right of Use Acquisition and Permitting**
- Assistance in site selection and evaluation
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- Data management system for property inventory
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- Valuation of land, crop and fertility loss, for compensation