**Geodesy and Topography**

**OUR CUSTOMERS:**

* Venezuelan Petroleum Corporation (CVP) and Mixed Enterprises.
* PDVSA subsidiaries: Engineering and Construction, PDVSA Gas, PDVSA Industrial.
* PDVSA Business: Refining, EyP, INTEVEP, Comenrcio and Supply.
* PDVSA International Business: PDVSA CUBA and YPFB-Petroandina SAM.
* Bolivarian Government of Venezuela: Simón Bolivar Geographical Institute, Funvisis, CORPOELEC, Bolivarian Mayor of San Francisco and Bolivarian Governorate of Zulia.

**AVAILABLE SERVICES:**

We have at your disposal 37 Survey crews with which we can perform services of:

* Location Rethink.
* Point measurement with Static GNSS.
* Point measurement with DGNSS.
* Lifting and detection of pipes buried by indirect induction of radio frequency.
* Lifting and detection of pipes buried by direct induction of electromagnetic waves.
* Execution of Calicatas.
* Centimeter Geometric Leveling.
* Topographic surveys per hectare in unnied areas.
* Opening of low and high performance spades in undenied areas.
* Topographic control of Works.
* Geospatial Information Processing.
* Graphical Representation and Geographic Information Systems (CAD Drawing).
* Type A and B Monumentation.

**EQUIPMENT DESCRIPTION:**

|  |  |  |  |
| --- | --- | --- | --- |
| **03 PUMP CHANGES (Main Equipment)** | | | |
| **DESCRIPTION** | **AMOUNT** |  |  |
| GPS UNIT and Antenna | 7 |  |  |
| TOTAL STATION TOPCON GTS-236W | 14 |  |  |
| Refractive Equipment ST-NZXP-48 | 4 |  |  |
| Geodetic GPS System Base | 3 |  |  |
| Geodesic GPS System | 6 |  |  |
| Geodesic GPS Mobile System | 11 |  |  |
| Sistema RTK TRIMBLE 5700 RCVR | 4 |  |  |
| Sistema RTK TRIMBLE 5700 | 18 |  |  |
| TRIMBLE R7 GNSS Base | 5 |  |  |
| TRIMBLE R7 GNSS RTK ROVER | 5 |  |  |
| PickUps | 7 |  |  |