



Exploration Geotechnical, Hydrology & Hydrogeology Test Services
Transportation Supplying Drilling Accessories Heavy Equipment

PT. MESI SATYA CELEBES

MINING SERVICES



About Us

PT Mesi Satya Celebes is a company engaged in Mining services Contractors offering services such as Exploration & Geotechnical Drilling, Transportation, Heavy Equipment, and Supplying Drilling Accessories.

Specifically, we also have Geotechnical test needs and Hydrology Instruments as well as Cone Penetration Test (CPT), Dynamic Cone Penetration (DCP), Hand Auger, Inflatable Packer IPI (SWIP Type), Heron Instrumentation, etc.

Established in 2022, we have strong professional human resources to achieve high-quality works, both in the field and office. Also, we always strive to carry out any work with the highest standard of safety.

Our Vision

“To become a multinational company that is committed to providing high quality services in the mining sector “

Our Mission

- ✓ Providing the best services and solutions to our prospective clients and partners according to international standards and quality.
- ✓ Building and developing professional human resources emphasizing on quality, welfare and work safety.
- ✓ Always uphold the company's responsibilities and values to achieve satisfaction for our clients and partners

Our Services

Services offered by PT. Mesi Satya Celebes includes :

1. Drilling Services
 - Exploration
 - Geotechnical
2. Geotechnical, Hydrology and Hydrogeology Test Services:
 - Cone Penetration Test (CPT)
 - Dynamic Cone Penetration (DCP)
 - Hand Auger
 - Inflatable Packer IPI (SWIP Type)
 - Heron Instrumentation
3. Transportation and heavy equipment
 - Light Vehicles
 - Excavator
4. Laboratory facility
5. Supplying drilling accessories, spare part and other drilling needs



Exploration and Geotechnical Equipment

No	Equipment	Purpose
1.	Jacro 100	Drilling (Wireline,NQ/HQ Core)
2.	Jacro 75	Drilling (Wireline,NQ/HQ Core)
3.	Jacro 50	Drilling (Wireline,NQ/HQ Core)
4.	Standart Penetration Test Set	SPT Testing
5.	Dynamic Cone Penetration (DCP)	DCP Testing
6.	Hand Auger	Surface Soil Sampling
7.	Manual CPT 2.5 tonnes	CPT Testing
8.	Hydraulic CPT 5 tonnes	CPT Testing
9.	Hydraulic CPT 10 tonnes	CPT Testing
10.	Inflatable Packer (SWIP Type)	Packer (lugeon) Testing
11.	Jack-up Ponton Unicorn 152	Platrom for Drilling (max depth 24 meters)
12.	Total Station	Topography Survey



Groundwater Monitoring Instrumentation (Heron)

No	Equipment	Purpose
1.	Water Level	Simple groundwater measurement
2.	Dipper T	Groundwater measurement and raising/falling head testing in well hole
3.	Dipper Log	Continuous groundwater and advance raising/falling head testing in well hole
4.	Conductivity Plus	Measure conductivity in water, showing seepage, and different water quality
5.	Camera Borehole Inspection	Provide drilling wall condition (video and picture format)



Transportation and Heavy Equipment

No	Equipment	Purpose
1.	Light Vehicle Single Cabin 4x4	Logistics and Equipment
2.	Light Vehicle Double Cabin 4x4	Logistics and Passenger
3.	7 Seater 4x4	Logistics and Passenger
4.	Excavator	Heavy Equipment, move and acces Drilling



Laboratory Facility

Classification and Physic Testing Classification

The standards used for soil physical classification are as follow:

Water Content of Soil – ASTM D2216 – 10

Particle size distribution & hydrometer – ASTM D422-62

Particle size distribution & hydrometer – ASTM D421-85

Specific gravity – ASTM D854-02

Atterberg limit & Plastic Limit – ASTM D4318



View of Laboratory



Hydrometer & Atterberg Limit



Sieve Analysis

Laboratory Facility

Mechanical Testing

The standards used for soil physical classification are as follow:

Unconfined compression test for soil – ASTM D2166-06

Direct shear CD – ASTM D3080-04

Consolidation – ASTM D2435-04

Triaxial UU – ASTM D2850-3a

Triaxial CU single – ASTM D4767

Triaxial CD – ASTM D7181

California Bearing Ratio – ASTM D1883 / SNI 1738-2011

Point Load – ASTM D5731

One dimensional swell or settlement potential cohesive soils – ASTM D4546-96

Compaction characteristics of soil using modified efforts – ASTM D1557

Standard compaction characteristics – ASTM D698

Compressive strength and elastic moduli of Intact Rock Core – ASTM D7012

Shear test – BS1377-7:1990

Sandcone Test for insitu testing

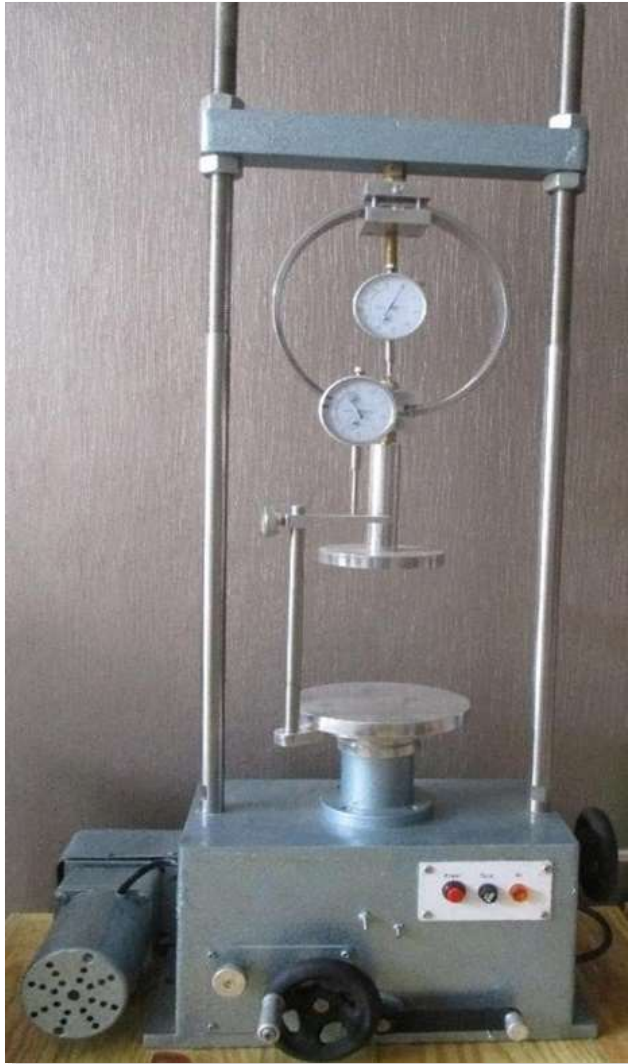
Triaxial Cyclic

Direct Simple Shear Cyclic



Triaxial CU & UU

Laboratory Facility



UCS Soil



Permeability Test



Oedometer

Laboratory Facility



Triaxial Cyclic



Simple Shear Cyclic

Our Projects

Our project experiences involve a number of multi-disciplinary projects throughout Indonesia, handled by professional and experienced staff to meet your every production need.

1. PT. Pamapersada Nusantara Site PT. Asmin Bara Bronang, Kalimantan Tengah – Underground Project, packer test IPI (SWIP Type).
2. PT. Vale Indonesia Site Bahodopi, Sulawesi Tengah – Water Well Project, Camera Borehole (Heron Instrument).
3. PT. Vale Indonesia Site Pomalaa, Sulawesi Tenggara – Geotechnical Investigation for Pomalaa Port and Landside, Jack Up Ponton Near-shore drilling platform.
4. PT. First Resources Site Kolonodale, Sulawesi Tengah – Geotechnical Investigation and HPAL, Drilling Geotechnical.



5. PT. Vale Indonesia Site Pomalaa, Sulawesi Tenggara – Geotechnical Investigation for Pomalaa early work, Hydraulic CPT 5 ton and CPT 10 ton.
6. PT. Bumi Suksesindo Copper and Gold Site Banyuwangi, Jawa Timur – Hydrologi Testing, Packer Test IPI (SWIP type).
7. PT. Meares Soputan Mining/TTN Site Likupang, Sulawesi Utara – Underground Project, Packer Test IPI (SWIP Type).
8. PT. Sulawesi Cahaya Mineral Site Rوتا, Sulawesi Tengah - Geotechnical and Hydrology Study, Drilling Geotechnical.
9. PT. Vale Indonesia Site Pomalaa, Sulawesi Tenggara – Geotechnical Investigation for Pomalaa Detail Engineering Design (DED), Hydraulic CPT 5 ton and 10 ton.



PT. MESI SATYA CELEBES

HEAD OFFICE

JL. A Yani Kompleks Ruko Square Block C No. 06
Desa/Kelurahan Bende, Kecamatan Kadia.
Kota Kendari, Sulawesi Tenggara
Kode Pos 93117

Telp : +62 401 – 3417009

Email : admin@mesisatya.co.id

BRANCH OFFICE

Kompleks Pergudangan Kota Wisata
Commpark Blok B-02, Narogong Cileungsi
Kelurahan Limus Nunggal Kecamatan Cileungsi
Bogor, Jawa Barat

Telp : +62 21 – 80472095

Email : arvandyh@mesisatya.co.id

CP : Arvandy Hutagalung

HP : +62 813 – 9452 – 9552



Visit our website : <http://www.mesisatya.co.id>