



**WIRELESS
EXTENSOMETER**

LANDSLIDE EARLY WARNING AND MONITORING SYSTEM

CV. FORTUNA ARGATECH

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*Image 1.
Our technician setting up an extensometer main unit
on project site.*

ABOUT US

CV. Fortuna Argatech creates and innovates technology to enhance your business by handling wide range of industrial technology project, from manufacture to mining.

With proven experience in handling many major corporate, we are eager to serving you solutions to accomodate the industry.

Our vision and mission are to use the technology optimally to make your industrial phase more efficient and easier.

WORKS

We serve several big names in industries. With professionalism and well maintained corporate relationship, we always try to give the after sales service and guarantee.

These are several company that we have served :

- **PT. Pamapersada Nusantara** (Site BCSK, Jembayan, Kideco)
- **PT. Kaltim Prima Coal**
- **PT. Jembayan Muarabara**
- **PT. Bahari Cakrawala Sebuku**
- **PT. Agincourt Resources** (Martabe Gold Project)





EXTENSOMETER V 2.0

Wireless extensometer is one of our latest innovation in monitoring landslide. The system are build to give accurate reports, early warning system, all can be monitored by easy access of wireless technology.

By using wireless extensometer, it is now easier and accurate to prevent landslide risk in the project site.

*Image 2 (left).
Extensometer V2.0 main unit.*

WHY ?

With extensive research and updates on software and hardwares, Extensometer V 2.0 give more reliable monitoring solution.



SPECIFICATION

EXTENSOMETER V 2.0	LOGGER	ONLINE	WIFI
Network Telemetry	Offline	GSM/ CDMA	2,4Ghz/ 5,8Ghz
Power Supply :			
- Panel Surya poly-crystalline	100 WP	100 WP	150 WP
- Battery (accumulator) type MF 12V 70AH	✓	✓	✓
Sensor :			
- 3 Channel Displacement Sensor (Upgradeable to 6 Channel)	✓	✓	✓
- Weather Station (rainfall, wind speed, temperatur, tekanan)	BY REQUEST	BY REQUEST	BY REQUEST
Media liaison objects :			
- Kawat sling 2mm Shielded	✓	✓	✓
Early Warning & Notification :			
- Sirine SPL 100dB dan lampu flash alarm	✓	✓	✓
- Push e-mail, dengan 3 tingkat level, akumulatif dan velocity <ul style="list-style-type: none"> ▪ Level Aman (Green) : 0% - 75% dari batas threshold ▪ Level Warning (Yellow) : 75% - 99% dari batas threshold ▪ Level Alarm (Red) : > 100% dari batas threshold 		✓	✓
- SMS Broadcast			✓
- Channel Radio HT	BY REQUEST	BY REQUEST	BY REQUEST
Monitoring & Report :			
- Monitoring via Internet <u>URL : user.landslide-monitoring.com</u>		✓	
- Monitoring via Intranet (jaringan kantor)			✓
- Monitoring on device via display atau smartphone	✓	✓	✓
- Push e-mail daily report		✓	✓
- Download report dalam format XLS (Excell), CSV, XML with smartphone/laptop via Local Wireless (up to 50 meters)	✓	✓	✓
Adjustable settings :			
- Alarm displacement threshold			
- Periode interval data-record	✓	✓	✓
- SMS/e-mail broadcast list			
- Settings remotely using smartphone via Local Wireless			
Data Acquisition Rate :			
- Realtime (max 1 record per detik)			✓
- Moderate (max 1 record per 60 detik)	✓	✓	
Additional function :			
- Surveillance Camera Pan Tilt Zoom			✓
Portability dan Kemudahan instalasi	GOOD	GOOD	MODERATE

MAIN UNIT INSTALLATION

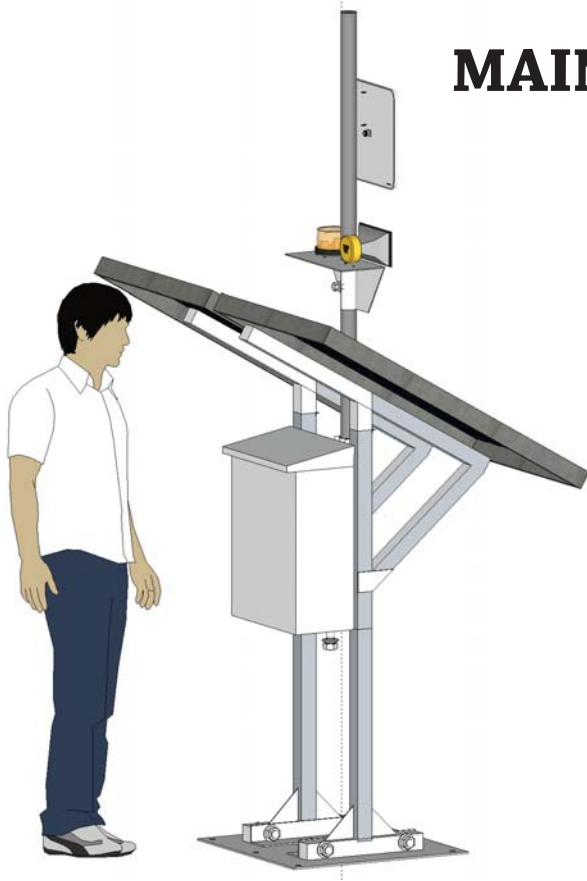


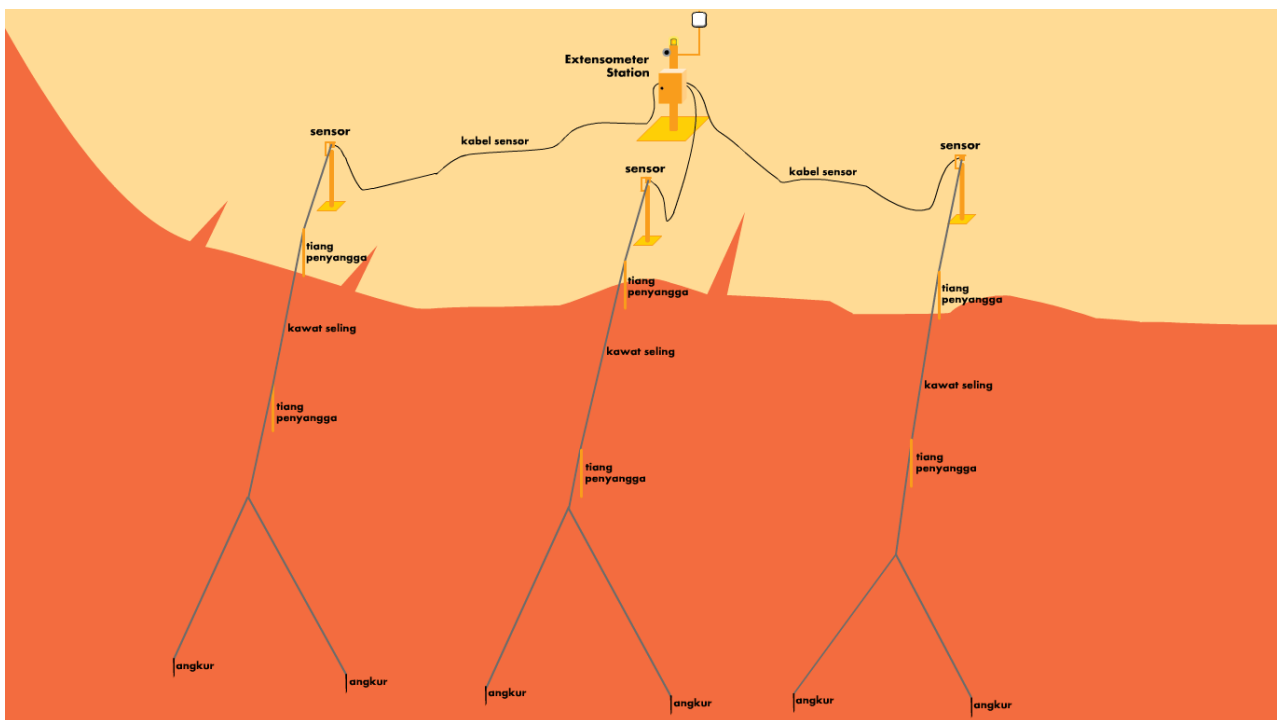
Image 3 (top).
The Extensometer V 2.0 main unit dimension compared to average human size.

Main unit installation will takes time approximately about 2 hours with hands of 2 personnel. The activation time for the unit to transmits realtime data through Wi-Fi connection depends on the coverage range.

Ground installation for unit done by sticking 4 anchors to the ground, or by using Dynabolt to the concrete platform through the baseplat hole.

Solar panel holder can be knocked-down for portability usage.

Displacement sensors are installed for maximum range 10 metre from the main unit (see image for details)



(Image 4 (top). An example of main unit installation)



Image 5.
Extensometer GPRS PIT 203 Installation at PT.
Jembayan Muarabara

CONTACT US

For more inquiry, please contact us at :

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