

GEOPOD

Powered by  **AMASIA™** Software

World's First Mobile Prism Monitoring System



KEY FEATURES

GNSS Control

Dual GNSS antennas deliver millimetric positioning through our filtering & averaging algorithm, including pitch, tilt & yaw monitoring for continuing positional updates.

Onboard Software

The **GEOPOD** has integrated, onboard software, that calculates and provides continual positional information to the mounted sensors.

Communications

The **GEOPOD** has integrated communications with a full range of options, to connect your sensors to the world.

Power

The **GEOPOD** is available in many configurations to meet your power requirements. Mains power, solar arrays or diesel generator backup.

Cost Effective

The **GEOPOD** eliminates the need for any permanent installation & is fully transportable. Monument, power, communications and software all in one unit.

Flexible

Time to change monitoring locations, no problem, just move the **GEOPOD** to a line of site location, let the position resolve and start monitoring again.

Sensor Mounts

The **GEOPOD** is equipped with dual sensor mounts, with real time positioning available on both sides. Run complimentary technologies together.

Rotating Solar

The integrated solar array can swivel 360 degrees to ensure correct alignment with the sun, regardless of the location.

CONTACT US for more information:

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KEY BENEFITS & BUSINESS CASE

The cost of installing permanent monuments for spatial monitoring has increased significantly over the past decade. This process now typically requires civil contractors to attend site and build structures in active mining areas, requiring inductions, safety plans and project management.

Permanent structures are decommissioned and destroyed when the mine plan advances, and the costly cycle of building new monuments begins again. Permanent monuments also require resurvey periodically to ensure deformation within the control network is accounted for. **The GEOPOD replaces all of these processes with the one device.**

The **GEOPOD** is comparable in price with installing a new monument alone, but **also includes dual pillar mounts, the power solution, communications options and GNSS control with millimetric positional updates.** Not only is the **GEOPOD** cost effective, but it can be reused when a new monitoring station is required simply by transporting the unit to the desired location.

Integrating **AMASIA™** monitoring software with the **GEOPOD** hardware makes for a powerful and smart solution. If the **GEOPOD** is moved for any reason, the **AMASIA™** software will recognise the change in location, and remove any steps created by the change of position. **AMASIA™** will then continue monitoring the same points, ensuring only the localised deformation at the target point is displayed, providing a flexible and seamless data solution.

The integrated GNSS technology provides a sub-millimetric positioning through our filtering and averaging algorithm. If your monitoring location starts to move, the dual GNSS antenna setup will observe the changes and make the applicable updates to control **as they happen**, with **automated step removal** taken care of through the **AMASIA™** software.



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Pangea Technology
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For more information on how **GEOPOD** and **AMASIA™** software can improve your mobile prism monitoring needs, contact us:

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