Enhancing Natural Disaster Resilience in Transportation Infrastructure Using Kurloo GNSS Monitoring

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SUMMARY

Natural disasters pose significant risks to transportation infrastructure, especially in regions prone to geohazards. Kurloo, an Australian-made IoT GNSS monitoring solution, offers a robust method for enhancing disaster resilience by providing continuous, high-accuracy monitoring of slopes and embankments. Integrated into projects like Bruce Highway Thrust Bores, Coomera Connector, and Queensland Rail, Kurloo delivers accurate, near real-time data critical for decision-making and risk management. By simplifying data collection and enabling early warning systems, Kurloo enhances the resilience of highways, roads, and rail networks, contributing to safer, more reliable transportation infrastructure. This technology aids in assessing disaster vulnerability and risk, crucial for climate action planning, and supports disaster recovery by ensuring infrastructure stability, thus protecting vulnerable communities.

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