



ViehFinder

VIEHFINDER PROVIDES IOT-BASED SYSTEMS FOR MONITORING LIVESTOCK IN ALPINE FARMING ENVIRONMENTS, USING SATELLITE AND LORAWAN TECHNOLOGY FOR REAL-TIME LOCATION AND HEALTH TRACKING. THE SYSTEM IS DESIGNED TO OPERATE IN HARSH, REMOTE AREAS WITHOUT RELYING ON TRADITIONAL MOBILE NETWORKS.

ViehFinder is a project focused on revolutionizing livestock management in alpine regions by using IoT technology for real-time monitoring. The company addresses the challenges faced by farmers in these remote areas, where managing livestock is difficult due to vast, inaccessible pastures and the lack of reliable connectivity. By utilizing satellite navigation and LoRaWAN technology, ViehFinder provides a system that operates independently of traditional mobile networks, ensuring that farmers can track the location and health of their cattle even in the most isolated environments.



The project aims to support sustainable farming practices and improve animal welfare by offering farmers real-time insights into their livestock's well-being. This enables timely decision-making, reduces the time and cost associated with livestock management, and helps preserve alpine pastures, which are crucial for biodiversity and local food supply.

USP

ViehFinder's robust tracker operates independently of mobile reception thanks to its own antenna and requires no battery changes due to its solar panel.

Target market

ViehFinder targets farmers in alpine regions who face challenges in managing livestock due to remote, inaccessible pastures and a lack of reliable connectivity.

Space connection

ViehFinder uses satellite technology for livestock tracking in alpine areas, employing precise Galileo navigation for accurate monitoring, and integrating Sentinel-2 and weather satellite data to inform farmers about vegetation and weather conditions, while also exploring LoRaWAN over satellite for connectivity in remote regions.

Team members

Raphael Krebs, Peter Lederer, Jakob Krebs



Social media channels

Instagram: @viehfinder

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