

INFINITEK WEBSITE REDESIGN

DESIGNER BRIEFING:

Infinitek is a company that offers technical field services, monitoring and design services.

Goal:

A simple one-page website, compatible with all devices, easy to read and navigate.

Target outcome is getting clients to fill out a contact form and collect their details.

Design layout:

This is just a guideline, and the designer can alter this to achieve a better readability and coherent design.

1. Header with logo and call to action button 'get in touch'
2. Services offered
3. Projects/Case studies in carousel or similar
4. About
5. Contact form

Key points:

- Change services offered, no more aerial surveys offered
- Visually appealing
- Easy to navigate
- Simple and easy to read and navigate
- Responsive
- Mobile device compatibility
- Integrating best SEO practice
- Call to action button to fill out contact form
- Showcase projects
- Simple setup that the website can be edited and updated
- Contact via contact form or email only
- No social media accounts

CONTENT:

Tagline:

Precision. Efficiency. Clarity.

Services:

FIELDWORK SOLUTIONS

- Project management & logistics
- Efficient product rollouts
- Equipment Installation & Maintenance
- Surveying Techniques
- Precision GNSS instrumentation
- Seismic Instrumentation
- IOT Sensors
- Reliable Communications Systems
- Environmental sensors

POSITIONING AND MONITORING

- Real-Time Kinematic (RTK) Solutions
- Custom GNSS Base stations
- NTRIP service
- Tailored Monitoring Solutions
- Environmental Monitoring
- Robust communication Systems
- Internet of Things (IoT) Integration
- Solar powered systems
- Smart Sensor Networks

DESIGN AND PROTOTYPING

- Mechanical Component Design
- Robust Field Equipment Infrastructure
- Remote Monitoring System Design
- 3D modelling
- Standalone Power Solutions
- Wireless Communication Solutions
- Real-Time Data Transmission
- Rapid Prototyping
- Field Deployment and Testing

Case Studies/Projects:

1. **Remote camera installation in Alpine Environment.** Successful installation of advanced camera systems in the challenging and remote alpine regions of Fiordland. This installation supports Envirolapse Pty Ltd in their environmental monitoring efforts, providing high-quality imagery and data to the Department of Conservation from one of the most rugged and inaccessible areas in New Zealand.
2. **GNSS CORS station upgrade and survey.** Upgrade and reference mark survey of GNSS Continuously Operating Reference Stations (CORS) for the LINZ positioning network. This project enhanced the accuracy and reliability of the LINZ positioning network, crucial for a wide range of applications including land surveying, construction, and geospatial research.
3. **Communications hub upgrade.** Installation of a satellite interface for GeoNet to ensure reliable data transmission for scientific research and monitoring of geological hazards. GeoNet operates a comprehensive network of over 1000 monitoring instruments across New Zealand, providing 24/7 data collection and analysis for earthquakes, volcanic activity, landslides, and tsunamis. This upgrade provides uninterrupted connectivity and data flow essential for remote monitoring and real time analysis.
4. **Aerial survey for Post-Disaster Recovery.** Survey to assess damage to the railway line caused by Cyclone Gabrielle and create a digital terrain model (DTM) and orthophoto for engineers to plan and rebuild. This project was crucial for KiwiRail, whose network was heavily impacted by the cyclone, particularly the Palmerston North to Gisborne Line. The survey allowed for a more in-depth damage assessment, identification of high-risk sites, and provided a detailed DTM, enabling engineers to effectively plan and rebuild. The data collected was helpful for the restoration of the rail network, ensuring the continuation of vital rail freight services to Napier Port and contributing significantly to the region's recovery efforts.

About:

Welcome to Infinitex, your reliable partner in delivering innovative solutions. Our team of skilled professionals is committed to excellence, ensuring every project is handled with precision, efficiency, and integrity. We solve problems in the field, build robust infrastructure, and deliver accurate data to our clients. Let us help you achieve your goals with our tailored, sustainable solutions and exceptional service.

BACKEND:

The website is going to be hosted on a plesk server with wordpress as a one click plugin.

It uses maria DB