INTERNET OF THINGS

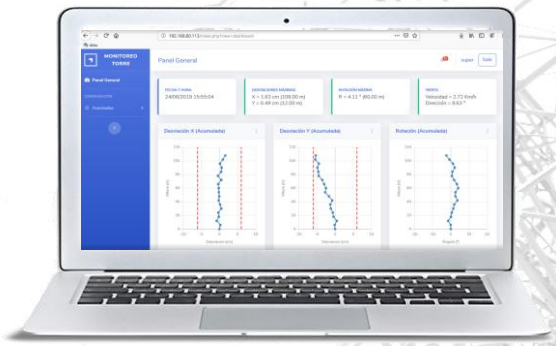
Tower Tilt Monitoring

TELECOMMUNICATIONS TOWER VERTICALITY AND ROTATION MONITORING SYSTEM

Real-time and remote tower monitoring through intuitive and user-friendly dashboards

We add value to **heads and managers of operations and maintenance of telecommunications** companies by providing an IOT-based solution for Verticality Monitoring and Tower Rotation.

The control of verticality and rotation through our IOT-based solution allows deviations to be detected in real time and remotely, avoiding not only the loss of quality of the communication links, but also the possible breakage and fall of the towers.



VISTA PANEL PRINCIPAL DE DASSHBOARD

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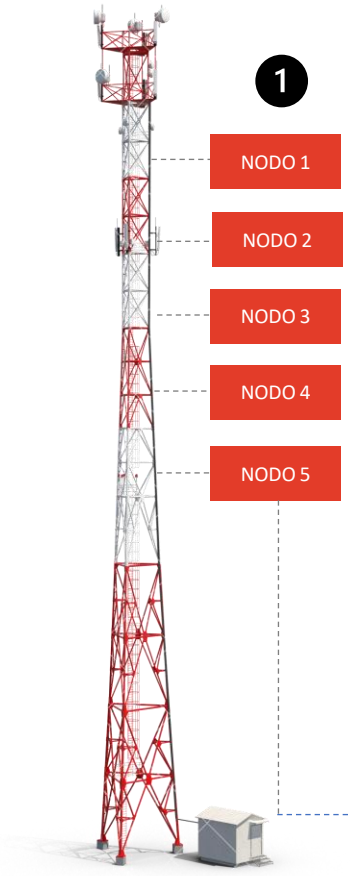
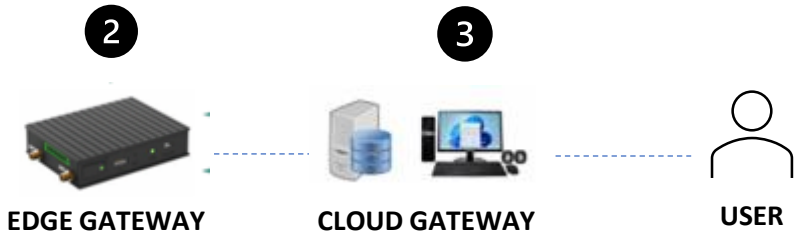


A robust and efficient system for verticality monitoring

1.- The system has nodes mounted at different heights, determined by engineering the structure, capable of measuring inclination, rotation and meteorological factors.

2.- The Edge Gateway is in charge of periodically surveying the data of the nodes, and calculating the accumulated deviation throughout the height of the tower

3.- Finally, the data is available in the cloud for visualization.



The benefits of this solution

- Reduces maintenance costs
- Improves availability and access to information
- Improve efficiency of management
- Allows planning Actions of Maintenance Preventive
- Avoid interruption of service
- Prevents potentially dangerous situations for personnel and third parties

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We are by your side, ensuring clean and safe operations

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