

Advancing Geospatial Infrastructure in Morocco: The ANCFCC National CORS Network

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Key words: GNSS/GPS; CORS

SUMMARY

The National Agency for Land Conservation, Cadastre and Cartography (ANCFCC) has implemented a state-of-the-art Continuously Operating Reference Station (CORS) network across Morocco to deliver precise, real-time GNSS positioning services that support cadastral, mapping, and infrastructure development activities.

Developed and deployed in partnership with Leica Geosystems, the network provides nationwide coverage, ensuring centimeter-level accuracy through Network RTK and post-processing services. Fully aligned with international geodetic reference frames, the system enhances data consistency and interoperability across public and private sectors.

This initiative marks a key milestone in Morocco's digital transformation of land administration. It enables faster field operations, improves survey accuracy, and facilitates data integration for smart city planning, surveying, construction, and environmental monitoring.

The presentation will outline the network's architecture, operational model, and service management, as well as lessons learned in system governance, stakeholder adoption, and long-term sustainability. The ANCFCC–Leica Geosystems collaboration demonstrates how a robust geodetic infrastructure can serve as the foundation for modern land governance and geospatial innovation in Africa.