

# The Maintenance of KSA-CORS Network in Saudi Arabia's Desert Areas

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## SUMMARY

Saudi Arabia is a large and arid country, covering more than 2 million square kilometers of desert and remote areas. The Empty Quarter in the south-eastern part of the Kingdom occupies an estimated area of 640,000 square kilometers composed of sand hills and lava fields. Maintaining a CORS network in these challenging conditions is not easy task. This paper discusses the issues faced in the preventive and corrective maintenance of the KSA-CORS network, particularly in the harsh desert environments. The paper also suggests strategies to improve maintenance management and ensure the long-term sustainability of the operation in these difficult environments.

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