**Project Background**

**Motorola Deep Connect**

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**Owner: Morphedo Technologies Pvt Ltd**

This document provides the background for the Motorola Deep Connect project, developed by Morphedo in collaboration with Motorola. The project aims to create a reliable communication system for miners and their families.

**Project Background for Motorola Deep Connect**

Mining is a demanding and hazardous profession where safety is paramount. Due to the risks involved, mobile phones are prohibited in mines. This restriction poses a significant challenge for miners who wish to stay in touch with their families.

Motorola Deep Connect addresses this challenge by utilizing the walkie talkies already used by miners for internal communication. The system connects these walkie talkies to smartphones, enabling miners to communicate with their families from within the mine.

Each miner is assigned a unique ID that links to a module on the surface. This module allows them to make 5G voice calls to their families using their walkie talkies. The families use a simple, easy-to-use app on their smartphones that works like a walkie talkie for two-way calling.

The solution is designed to be affordable and scalable, making it ideal for deployment across various mining sites in India. By improving communication, Motorola Deep Connect enhances the well-being and peace of mind of miners and their families.