

Case Study

DELIVERY AND
INSTALLATION OF THE RADIO
COMMUNICATION SYSTEM
for Anadarko Mozambique
Areal 1 Limitada



THE CHALLENGE

The project was a “greenfield”, client wanted the communication solution that will cover the full site and local area of operation. We initially proposed a TETRA Technology solution which was not within the client’s budget. They needed a cost effective and seamless communication solution.

ESTABLISHED SYSTEMS/IT SOLUTIONS

This is a “greenfield” project.

INTRODUCTION

The Mozambique LNG Development concept was to commercialise the Mozambique Joint Venture's Project located at Cabo Delgado Province near the coastal town of Palma, Mozambique. The site is located on the Indian Ocean coastline of Mozambique just west of the Island of Ilha Tecomagi referred to as “Afungi”.

Anadarko Mozambique Area 1 Limitada (AMA 1), a subsidiary of Anadarko Petroleum Corporation (APC) and partners, are developing a liquefied natural gas (LNG) plant for the government and people of Mozambique.

The Facility is located on a ‘green-fields’ site (the “Site”) and will incorporate an onshore LNG plant, LNG storage tanks, LNG load-out jetty and wharf, materials offloading facility, onshore pipelines and support facilities including accommodation villages.

Through our engagements, we proposed Motorola Capacity Max System, which met the needs of the client; intended to provide voice and data radio communication services for Anadarko Mozambique Area 1 Limitada whilst optimising savings.

INTENDED OUTCOME

The objective was to provide a Digital Trunked Capacity Max Radio Communication System that would provide the client with a voice and data communication services for Anadarko Mozambique Area 1 Limitada. The site area includes camp for 10,000+ staff with vehicles (Cranes, Trucks & Buses) throughout the construction area and the Main Office.



THE TECHNOLOGY/SERVICE ADVANTAGE

With our Digital Trunked Capacity Max Radio Communication System, the Anadarko gets more capacity, enhanced functionality with safety & profitability, better network coverage, superior devices which are IP57 rated and future ready system.











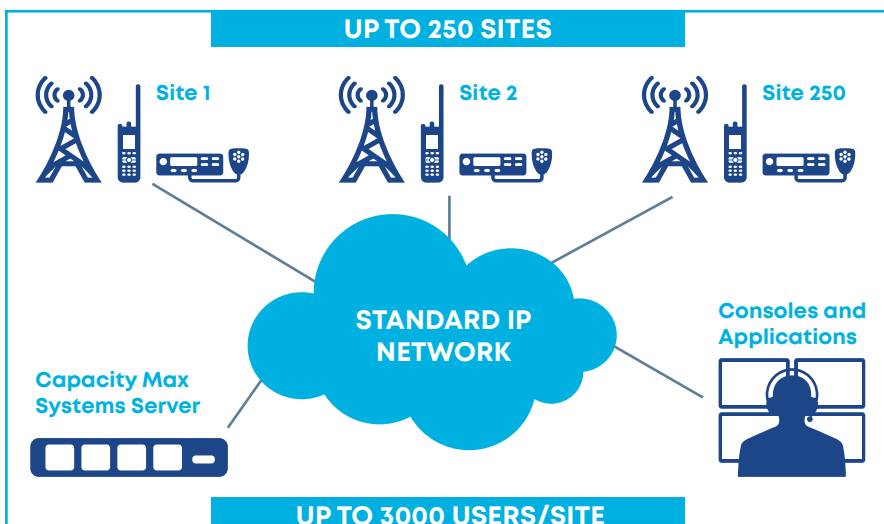
KEY POINTS FOR EFFECTIVE PRACTICE

The Capacity Max architecture is optimised for high performance, high efficiency, high security and graceful scalability. It enables instant, reliable voice and data communications, better decision-making and seamless coordination across a single campus or a large-scale operation. Powerful management tools give complete control over the system – all from a single workstation. And, since it is ETSI DMR Tier III compliant, Anadarko can be confident that they are investing in open standard technology with global support. Robust and durable PTT devices that work in any condition / environment with long battery life.

CONCLUSIONS AND RECOMMENDATIONS

From the oil rig to offshore platforms, and everywhere in between, having mission critical technology at the heart of oil and gas operations is a crucial first step towards increasing safety and operational efficiency. Demand for natural resources is at an all-time high. Communication will unite Anadarko teams so they have the information to collaborate and get the job done, in a safe environment while maximizing profitability and securing their assets.

CONVENTIONAL (SINGLE SITE)	IP SITE CONNECTION (MULTI--SITE)	CAPACITY PLUS (SINGLE & MULTI--SITE)	CAPACITY MAX (SINGLE & MULTI--SITE)
CONVENTIONAL		TRUNKING	
DMR Tier II	DMR Tier II plus additional proprietary features		DMR Tier II plus additional proprietary features
			
1 SITE	1 - 15 SITES	1 - 15 SITES	1 - 250 SITES
			
UP TO 200 USERS*	UP TO 200 USERS*	UP TO 1600 USERS/SITE*	UP TO 3000 USERS/SITE*
BASELINE COVERAGE	EXTENDED COVERAGE	COST-EFFECTIVE COVERAGE AND CAPACITY	COVERAGE, CAPACITY AND CONTROL



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